



Environment
Canada

Environnement
Canada

Environmental
Conservation

Conservation de
l'environnement

A BIBLIOGRAPHY OF SCIENTIFIC INFORMATION ON FRASER RIVER ESTUARY WATER QUALITY

April, 1986

TD
227
B74
FR86-1
c.2

**Inland Waters Directorate
Pacific and Yukon Region
Vancouver, B.C.**

BVAE North Van. Env. Can. Lib./Bib.



36 002 158

TD
227
B74
FR86-1
C.2

ENVIRONMENT CANADA
CONSERVATION AND PROTECTION

A BIBLIOGRAPHY OF SCIENTIFIC INFORMATION ON
FRASER RIVER ESTUARY WATER QUALITY

INLAND WATERS DIRECTORATE
PACIFIC AND YUKON REGION
VANCOUVER, B.C.

LIBRARY
ENVIRONMENT CANADA
PACIFIC REGION

April 1986

10303

TABLE OF CONTENTS

	Page number
Preface	ii
Keyword Index	iv
Acknowledgements	vi
Author Index	1
Acquisition Number Index	84
Cross-Reference Index	166
Geographic Location	166
Major Subject Headings	168

PREFACE

The general purpose of this bibliography is to provide a relatively comprehensive and flexible information database for use in Fraser River estuary water quality planning activities. The Fraser River estuary is defined as the land and water outside the boundary of the dykes and between Kanaka Creek and the outlet of Pitt Lake in the east, the estuary drop off in the west, Point Grey to the north and the international boundary to the south, including Boundary Bay and Semiahmoo Bay.

Although the focus was on water quality, the scope of the bibliography was broadened to include available information on the physical environment, contaminant sources, sediments, aquatic habitats, biota, and water uses. Information was acquired from government, university and private organizations, particularly through contact with individuals with direct research experience in the Fraser River estuary. On-line information database searches were used to augment the bibliography. Emphasis was placed on acquiring information published since 1978 when the most recent major literature reviews were conducted by the Fraser River Estuary Study. Unpublished information and work in progress are included in the bibliography under the principal investigator's name or organization.

The utility of this bibliography is greatly enhanced by its computer based format which allows the database to be quickly and easily updated and manipulated. Database management is currently being done with dBase II and dBase III on IBM PC/XT compatibles and with ORACLE on an IBM mainframe.

A typical citation in the bibliography would be as follows:

Inland Waters Directorate. 1974. Water quality data. British Columbia 1961-71. Water Quality Branch, IWD, Ottawa, unpaginated.
Keywords: estuary, water quality, major ions, nutrients, trace metals.
REF. NO.: ..151 LOCATION: WQB lib CALL NO.: A823

References can be searched by AUTHOR, TITLE, PUBLISHER, or KEYWORDS. A REF. NO. is used to identify each reference for sorting and indexing. LOCATION indicates where the reference can be found, and CALL NO. represents its library catalogue code.

Six keywords are available for each reference to provide a more structured framework for searching through the database. Keywords are used in a hierarchical fashion to describe the references.

All references are described by a geographic location namely: Main Arm, North Arm, Sturgeon Bank, Roberts Bank, Main Stem, Boundary Bay, and Estuary (a category that encompasses more than one of the preceding locations). The next level of keyword hierarchy consists of 10 major subject headings namely:

- | | |
|------------------------|-----------------|
| o Physical Environment | o Plants |
| o Contaminant Sources | o Invertebrates |
| o Water Quality | o Fish |
| o Sediments | o Birds |
| o Bacteria | o Water Use |

For each of the above major subject headings, many different sub-headings are used to further describe the references. Since the total number of keywords used to describe each reference is limited to six, different references are described at different levels of detail. Therefore, in order to find all references on a particular topic, major keyword headings are used.

The complete listing of keywords used in this bibliography is provided in the following Table. Major subject headings are underlined. Also shown is the total number of times a keyword is used in the database.

This bibliographic printout contains 628 references. Tabs are used to divide three major sections of the bibliography. Organization of the bibliography is as follows:

1. References arranged alphabetically by AUTHOR.
2. References arranged sequentially by reference NUMBER.
3. A CROSS-INDEX of reference numbers organized by major subject headings.

It is anticipated that this bibliography will prove to be most useful in providing baseline information for establishing priorities and research strategies in the development of water quality programs. Information in this database can be readily searched and should be periodically updated thereby augmenting future information referral needs.

For more information about this computerized bibliography please contact Dr. D. Valiela at the Inland Waters Directorate, Phone 666-6038.

TOTAL NUMBER OF REFERENCES FOR EACH KEYWORD INDEXED

Keyword	No.	Keyword	No.
abundance	31	agricultural effluents	1
algae	12	alkalinity	1
amphipods	1	Annacis Island	1
annelids	1	bacteria	28
bathymetry	7	benthos	32
bibliography	6	bioaccumulation	20
bioassay	25	biological availability	1
biota	3	birds	71
boating	6	BOD	1
Boundary Bay	24	carbon	2
carcinogens	1	chemical spills	1
chironomids	1	chlorinated hydrocarbons	7
chlorine	5	chlorophenols	2
coal dust	1	commercial fishing	1
commercial use	61	contaminant sources	100
copper	2	crabs	4
currents	18	desorption	1
diffuse sources	3	discharge	30
dispersion	3	distribution	62
dogfish	1	dredging	26
drift	1	eelgrass	1
effluent quality	19	effluent quantity	3
epibenthos	5	erosion	3
estuary	363	fecal coliforms	16
feeding	25	fish	153
fish pathogens	2	fishing	14
flooding	5	Galliformes	1
herons	1	herring	3
heterotrophs	1	Indian	2
industrial effluents	13	industrial use	4
invertebrates	83	iron	1
irrigation	2	juvenile salmon	1
land use	1	landfill leachates	12
lead	1	log storage	6
Main Arm	120	Main Stem	1
major ions	9	management	26
maps	2	marsh	2
marsh plants	6	mercury	5
migration	3	modelling	18
monitoring	1	mysids	2
nickel	1	nitrogen	1
North Arm	27	nutrients	37
odours	1	oil	1
oligochaetes	11	organic content	1
organophosphates	1	oxygen	26
particle size	18	pathogens	3
PCB's	8	PCP's	1
peamouth chub	1	pesticides	3
pH	6	physical environment	139
pipelines	1	plants	66
predation	1	primary production	1

Keyword	No.	Keyword	No.
production	5	quantity	2
raptors	6	recreational use	31
remote sensing	8	resin acids	1
Roberts Bank	46	salinity	21
salinity tolerance	1	salmon	64
salt marsh	1	sediment load	13
sedimentation	23	sediments	142
sewage	70	shellfish	4
shipping	25	shipworms	1
shorebirds	7	stability	1
steelhead	1	stormwater discharges	20
Sturgeon Bank	49	sublethal effects	1
swimming	2	taxonomy	1
techniques	1	temperature	13
tides	18	time series	4
tissue analysis	1	toxicity	5
trace metals	77	trace organics	44
training walls	4	transformation	2
transport	1	turbidity	6
variability	1	vascular plants	23
water quality	206	water use	120
waterfowl	18	Woodward Island	1
zinc	1		

ACKNOWLEDGEMENTS

The original compilation of information contained in this bibliography was conducted from January to April, 1986, by Limnotek Research & Development Inc. under contract to the Water Quality Branch, Inland Waters Directorate, Conservation and Protection, Environment Canada, Pacific and Yukon Region. The scientific authority was Dr. D. Valiela. Ron Kistriz assisted with the study organization, database management and computer programming. Many thanks are offered to N. Dalley for facilitating preparation of the final draft of this bibliography.

SEARCH CRITERIA: All references in the file.

REFERENCES:

Acres Consulting Services Limited. 1984. Fraser River, North Arm flow change impact study. Rept. for Public Works Canada, P7090.00.

KEYWORDS: North Arm, physical environment, sediments, plants, invertebrates, fish.

REF. NO.: ...39 LOCATION: WPMB impact CALL NO.: F1-EI.12

Advisory Panel to the Pollution Control Board. 1980. Report and Recommendations of the Advisory Panel to the Pollution Control Board, Lower Fraser River Public Hearing, 18-22 Feb., 1980. Pollution Control Board, Lower Fraser River, 43pp.

KEYWORDS: estuary, contaminant sources, sewage, stormwater discharges.

REF. NO.: ..634 LOCATION: new CALL NO.: new

Ages, A.. 1979. The salinity intrusion in the Fraser River: salinity, temperature and current observations, 1976, 1977. Pacific Marine Science Report 79-14, Institute of Ocean Sciences, Patricia Bay, Sidney, B.C.

KEYWORDS: Main Arm, physical environment, currents, salinity, temperature.

REF. NO.: ..622 LOCATION: new CALL NO.: new

Ages, A. and A. Woollard. 1976. The tides in the Fraser estuary. Institute of Ocean Sciences, Pacific Marine Science Rept. 76-5, 100p.

KEYWORDS: estuary, physical environment, tides.

REF. NO.: ...43 LOCATION: WPMB library CALL NO.: F1-H.14

Aird, W.J. and S.P. Pearce. 1976. Remote sensing data summary: Fraser River delta. Environmental Protection Service, Ottawa, EPS 3-EC-76-2.

KEYWORDS: estuary, water quality, remote sensing.

REF. NO.: ..256 LOCATION: new CALL NO.: new

Airport Planning Committee. 1975. An environmental impact assessment of the Vancouver International Airport expansion proposals. Vancouver International Airport Master Plan project, Transport Canada.

KEYWORDS: Sturgeon Bank, contaminant sources, water use, commercial use, water quality, sewage.

REF. NO.: ..541 LOCATION: Public Works CALL NO.: 8-6

Albright, L.J. 1983. Heterotrophic bacterial biomasses, activities, and productivities within the Fraser River plume. pp.216-220 In: Proc. of the symp. on the dynamics of turbid coastal environments/Can. J. Fish. Aquat. Sci. 40(1).

KEYWORDS: estuary, bacteria.

REF. NO.: ..181 LOCATION: Churchland CALL NO.: none

REFERENCES (listing continued):

- Albright, L.J. 1977. Heterotrophic bacterial dynamics in the lower Fraser River, its estuary and Georgia Strait, British Columbia, Canada. *Marine Biology* 39:203-211.
KEYWORDS: estuary, bacteria, abundance, heterotrophs.
REF. NO.: ..566 LOCATION: new CALL NO.: new
- Albright, L.J.. 1983. Influence of river-ocean plumes upon bacterioplankton production of the Strait of Georgia, British Columbia. *Mar. Ecol. Ser.* 12:107-113.
KEYWORDS: estuary, bacteria.
REF. NO.: ..179 LOCATION: Churchland CALL NO.: none
- Albright, L.J. et al. 1975. Chlorinated hydrocarbon residues in fish, crabs, shellfish of lower Fraser R., estuary, and...Georgia Strait, B.C. 1972-73. *Pesticides Monitoring J.* 9(3):134-140.
KEYWORDS: estuary, fish, invertebrates, bioaccumulation, trace organics, PCB's.
REF. NO.: ..567 LOCATION: new CALL NO.: new
- Alexander, L.J. 1982. Fraser River Estuary Study: legal provisions for linked management. Technical background report - phase II. Management Systems Sub-committee, Ministry of Environment, Victoria, 40p.
KEYWORDS: estuary, management.
REF. NO.: ..284 LOCATION: new CALL NO.: new
- Anderson, E.P. et al. 1981. Environmental effects of harbor construction activities at Steveston, British Columbia. Part 1. Main Report. *Can. Tech. Rept. Fish. Aquat. Sci.* 1070.
KEYWORDS: Main Arm, water quality, fish, invertebrates, sediments, trace metals.
REF. NO.: ..400 LOCATION: new CALL NO.: new
- Andrew, F.J. and G.H. Geen. 1960. Sockeye and pink salmon production in relation to proposed dams on the Fraser River system. *Int. Pac. Salmon Fish. Comm. Bull.* 11, 259p.
KEYWORDS: estuary, physical environment, water quality, fish, salmon, temperature.
REF. NO.: ..149 LOCATION: new CALL NO.: new
- Annacis Island Sewage Treatment Study. 1976. Annacis Island sewage treatment study. Report of the technical committee to the steering committee. Draft. Annacis Island Sewage Treatment Study, 38p.
KEYWORDS: Main Arm, water quality, sewage, effluent quality, fecal coliforms, trace metals.
REF. NO.: ...82 LOCATION: WPMB library CALL NO.: 34.26

REFERENCES (listing continued):

- Anon. prep. Data summary report on the analysis of environmental contaminants in tissue of fish from the Fraser River. Water Management Branch.
KEYWORDS: estuary, fish, bioassay, chlorophenols, trace organics.
REF. NO.: ..534 LOCATION: L. Swain CALL NO.: none
- Archibald, D. 1982. Interim report summarizing 1981 activities on Roberts Bank dredge and aquatic monitoring program. Unpub. rept. for National Harbours Board and Dept. Fish. Oceans, 52pp.
KEYWORDS: Roberts Bank, invertebrates, benthos, crabs, abundance, feeding.
REF. NO.: ..433 LOCATION: new CALL NO.: new
- Archibald, D. and R. Bocking. 1983. Annual report summarizing 1981-82 activities on Roberts Bank. Crab habitat loss and dredge monitoring program. Unpublished report for National Harbours Board and Dept. Fisheries and Oceans, 171pp.
KEYWORDS: Roberts Bank, invertebrates, crabs, bioaccumulation, trace metals, abundance.
REF. NO.: ..416 LOCATION: new CALL NO.: new
- Area Designation Task Force. 1981. First Draft Report of the Area Designation Task Force to the Fraser River Estuary Planning Committee. Fraser River Estuary Study, Ministry of Environment, Victoria.
KEYWORDS: estuary, water quality, water use, fish, birds, management.
REF. NO.: ..498 LOCATION: FRES CALL NO.: none
- Area Designation Task Force. 1982. Final Draft Report of the Area Designation Task Force to the Fraser River Estuary Planning Committee. Fraser River Estuary Study, Surrey.
KEYWORDS: estuary, water quality, water use, fish, birds, management.
REF. NO.: ..499 LOCATION: FRES CALL NO.: none
- Area Designation Task Force. 1982. Report of the Area Designation Task Force. Fraser River Estuary Study, Surrey.
KEYWORDS: estuary, water quality, water use, fish, birds, management.
REF. NO.: ..500 LOCATION: FRES CALL NO.: none
- Associated Engineering Services Ltd. 1977. Annacis Island Current Study, 450pp + app.. Greater Vancouver Sewerage and Drainage District.
KEYWORDS: Main Arm, physical environment, currents, temperature, salinity.
REF. NO.: ..631 LOCATION: new CALL NO.: new
- Atwater, J.W. 1980. Fraser River Estuary Study: water quality. Impacts of landfills. Fraser River Estuary Study, Ministry of Environment, Victoria, 285p.
KEYWORDS: estuary, contaminant sources, water quality, landfill leachates, oxygen.
REF. NO.: ..103 LOCATION: WQB library CALL NO.: 1302.2

REFERENCES (listing continued):

- B.C. Hydro. 1983. Environmental impact assessment of construction of a natural gas pipeline across Roberts Bank. Vol.1. Summary. B.C. Hydro.
KEYWORDS: Roberts Bank, water quality, vascular plants, invertebrates, fish, birds.
REF. NO.: ..613 LOCATION: R. Kistritz CALL NO.: none
- B.C. Ministry of Environment. none. The Fraser River flood control program. B.C. Ministry of Environment, Environment Canada.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..495 LOCATION: new CALL NO.: new
- B.C. Research. 1951. Survey of Fraser River water quality. Third progress report. B.C. Research, Report Z-CH-50-60, 11p.
KEYWORDS: Main Arm, water quality, nutrients, major ions, oxygen, pH.
REF. NO.: ...48 LOCATION: WPMB library CALL NO.: F2-HQ.4
- B.C. Research. 1951. Survey of Fraser River water quality. Second progress report. B.C. Research, Report Z-CH-50-60, 5p.
KEYWORDS: Main Arm, water quality, oxygen, pH, major ions, nutrients.
REF. NO.: ...49 LOCATION: WPMB library CALL NO.: F2-HQ.3
- B.C. Research. 1950. Survey of Fraser River water quality. First progress report. B.C. Research, Report Z-CH-50-60, 14p.
KEYWORDS: Main Arm, water quality, nutrients, pH, oxygen, major ions.
REF. NO.: ...50 LOCATION: WPMB library CALL NO.: F2-HQ.2
- B.C. Research. 1972. Water movement studies in the south arm of the Fraser River. Project Rept. 1462, for the Greater Vancouver Sewerage and Drainage District, 20p.
KEYWORDS: Main Arm, water quality, physical environment, sewage, tides.
REF. NO.: ..108 LOCATION: WQB library CALL NO.: 808.3 A986
- B.C. Research. 1971. Water quality survey of the Lower Fraser River. Rept. for B.C. Energy Board, 150p + tables.
KEYWORDS: estuary, sediments, water quality, physical environment, trace metals, nutrients.
REF. NO.: ..109 LOCATION: WQB library CALL NO.: 0806 A143
- B.C. Research. 1973. Water quality studies in the Lower Fraser River. Annual Rept. project 1462, for the Greater Vancouver Sewerage and Drainage District, 16p. + tables.
KEYWORDS: estuary, water quality, sediments, physical environment, temperature, salinity.
REF. NO.: ..110 LOCATION: WQB lib 1302.1 CALL NO.: A9E2

REFERENCES (listing continued):

- B.C. Research. 1973. Environmental studies at Iona Island. Project Rept. for the Greater Vancouver Sewerage and Drainage District, 52p. + tables.
KEYWORDS: Sturgeon Bank, physical environment, sediments, bacteria, invertebrates, plants.
REF. NO.: ..111 LOCATION: WQB library CALL NO.: 606 A981
- B.C. Research. 1974. Water quality and water movement of the Fraser River near Annacis Island. Rept., for the Greater Vancouver Sewerage and Drainage District, 62p.
KEYWORDS: Main Arm, water quality, physical environment, sewage, tides.
REF. NO.: ..112 LOCATION: WQB library CALL NO.: 808.3 A985
- B.C. Research. 1975. Annacis Island outfall dilution study. Project Rept.#4, Project 1524, for the Greater Vancouver Sewerage and Drainage District, 71p.
KEYWORDS: Main Arm, water quality, physical environment, sewage, discharge, modelling.
REF. NO.: ..113 LOCATION: WQB lib 1302.2 CALL NO.: A984
- B.C. Research. 1975. Environmental studies at Iona Island. Project Rept.#2, Project 1511/2, for the Greater Vancouver Sewerage and Drainage District, 162p.
KEYWORDS: Sturgeon Bank, water quality, invertebrates, sediments, plants, physical environment.
REF. NO.: ..114 LOCATION: WQB library CALL NO.: 606 A983
- B.C. Research. 1976. Water quality and movement in the Fraser River near Annacis Island. Rept., for the Greater Vancouver Sewerage and Drainage District, 98p.
KEYWORDS: Main Arm, water quality, physical environment, sewage, tides, discharge.
REF. NO.: ..115 LOCATION: WQB library CALL NO.: 808.3 A985
- B.C. Research. 1977. Environmental studies at Iona Island, Report #3. Prep. for the Greater Vancouver Sewerage and Drainage District.
KEYWORDS: Sturgeon Bank, sediments, invertebrates, benthos, bacteria, fecal coliforms.
REF. NO.: ..205 LOCATION: new CALL NO.: new
- B.C. Research. 1975. Pollution studies of the proposed Vancouver International Airport expansion. Vol.III. Effects of airport activities on air quality. EPS, Environment Canada, EPS 8-PR-75-3.
KEYWORDS: Sturgeon Bank.
REF. NO.: ..249 LOCATION: new-fiche CALL NO.: new

REFERENCES (listing continued):

- B.C. Research. 1978. Summary of the effects of Annacis Island sewage discharge on water quality in the Fraser River. Unpublished report for GVSDD, 79pp.
KEYWORDS: Main Arm, water quality, contaminant sources, sewage, physical environment, fish.
REF. NO.: ..402 LOCATION: new CALL NO.: new
- B.C. Research. none. Kanaka Creek water quality and sediment monitoring program. B.C. Research.
KEYWORDS: Main Arm, water quality, sediments, bacteria, particle size, trace metals.
REF. NO.: ..611 LOCATION: GVRD CALL NO.: Parks, Red
- B.C. Research. curr. Data base of landfill leachate monitoring at Fraser River landfill port site at No. 7 Road ditch. Richmond. B.C. Research, Unpub. data for Fraser River Ports.
KEYWORDS: Main Arm, contaminant sources, landfill leachates, invertebrates, benthos.
REF. NO.: ..615 LOCATION: FR Ports CALL NO.: T. Grozier
- B.C. Research. 1982. Satellite remote sensing for monitoring construction impacts at Roberts Bank port, Phase II study. Project No. 1-13-532, 32p.
KEYWORDS: Roberts Bank, plants, remote sensing.
REF. NO.: ..440 LOCATION: Vanc. Port CALL NO.: B. Moody
- B.C. Research. 1983. Satellite remote sensing for monitoring construction impacts at Roberts Bank port. Results of 1982 study. Project No. 1-13-806, 41p.
KEYWORDS: Roberts Bank, plants, remote sensing.
REF. NO.: ..425 LOCATION: Vanc. Port CALL NO.: B. Moody
- B.C. Research. 1976. Dredging spoil sampling and analysis, Fraser River, B.C. Dep. Publ. Works.
KEYWORDS: Main Arm, water use, commercial use, dredging, sediments, particle size.
REF. NO.: ..540 LOCATION: Public Works CALL NO.: 8-16
- B.C. Research. 1976. Water quality of the Fraser River in relation to the disposal of dredge spoil, Steveston, B.C. Public Works Canada, 4p+.
KEYWORDS: Main Arm, water quality, water use, commercial use, dredging, oxygen.
REF. NO.: ..544 LOCATION: Public Works CALL NO.: 8-76
- B.C. Research. 1976. Ocean dumping studies - Steveston fishing harbour (waterfront site), Steveston, B.C. Public Works Canada, 4p+.
KEYWORDS: Main Arm, water use, commercial use, dredging, fishing, sediments.
REF. NO.: ..545 LOCATION: Public Works CALL NO.: 8-75

REFERENCES (listing continued):

- B.C. Research. 1975. Receiving water quality in the vicinity of the Lulu Island sewage outfall. B.C. Research Progress Report April 1972 - Feb. 1975.
KEYWORDS: Main Arm, water quality, contaminant sources, sewage.
REF. NO.: ..327 LOCATION: BC Research CALL NO.:
- B.C. Research. 1977. Analysis of dredging spoils. Public Works Canada, Project No. 1-05-739-20, 2p + tables.
KEYWORDS: estuary, water use, commercial use, dredging, sediments, trace metals.
REF. NO.: ..554 LOCATION: Public Works CALL NO.: 8-52
- B.C. Research. 1977. Environmental monitoring program for dredging operation at Point Grey scow mooring basin, North Arm, Fraser River. B.C. Public Works Canada, 12p.
KEYWORDS: North Arm, sediments, water quality, dredging, particle size, fecal coliforms.
REF. NO.: ..330 LOCATION: Public Works CALL NO.: 8-39
- B.C. Research. 1975. Environmental monitoring program for dredging operation at Point Grey - Fisherman's basin, Vancouver, B.C. Public Works Canada, 8p+.
KEYWORDS: North Arm, sediments, water quality, dredging, particle size, invertebrates.
REF. NO.: ..555 LOCATION: Public Works CALL NO.: 8-39
- B.C. Research. 1974. Water quality and water movement of the Fraser River near Annacis Island. B.C. Research, 62p, 3 ref, 13 tab, 24 fig.
KEYWORDS: Main Arm, water quality, physical environment, salinity, tides, fecal coliforms.
REF. NO.: ..375 LOCATION: new CALL NO.: new
- B.C. Research Council. 1951. Study of tidal effects in the North arm of the Fraser River, April 23-24, 1951. .
KEYWORDS: North Arm, physical environment, tides.
REF. NO.: ..318 LOCATION: DFO, Vanc CALL NO.: CAN 124
- B.C. Research Council. 1951. Survey of Fraser River water quality. 3rd progress report. Vancouver, 11p.
KEYWORDS: estuary, water quality.
REF. NO.: ..319 LOCATION: DFO, Vanc CALL NO.: CAN 124
- Barker, M.L. 1974. Oil tankers and Canada's Pacific seaboard. Geosci. Canada 1(1):31-34.
KEYWORDS: estuary, water use, commercial use, shipping, contaminant sources, chemical spills.
REF. NO.: ..580 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Barker, M.L. 1974. Water resources and related land uses Strait of Georgia - Puget Sound basin. Lands Directorate, Environment Canada, Geogr. Pap. No. 56.
KEYWORDS: estuary, water use, irrigation, industrial use, recreational use, commercial use.
REF. NO.: ..306 LOCATION: Sedge lib TD227 CALL NO.: B7 B37
- Barnard, A.E. 1985. Pacific Flyway waterfowl report. Rept. 91, Pac. Flyway Comm., U.S. Fish and Wildlife Service, Portland, Ore..
KEYWORDS: estuary, birds, waterfowl, distribution, abundance.
REF. NO.: ..349 LOCATION: Butler, CWS CALL NO.: none
- Bawden, C.A., W.A. Heath, and A.B. Norton. 1973. A preliminary baseline study of Roberts and Sturgeon Banks. Westwater Research Centre, UBC, Tech. Rept. 1, 54p.
KEYWORDS: estuary, plants, sediments, water quality, trace metals, trace organics.
REF. NO.: ...95 LOCATION: WQB library CALL NO.: 808 A164
- Beak Consultants Limited. 1981. Environmental impact statement of proposed improvements to the Fraser River shipping channel. Public Works Canada, Pacific Region.
KEYWORDS: Main Arm, water use, commercial use, shipping, dredging, physical environment.
REF. NO.: ..278 LOCATION: new CALL NO.: new
- Beak Consultants Ltd. 1978. EIS study recommendations: Proposed improvements to the Fraser River shipping channel. Rept. for Public Works Canada, File K4350, 41p.
KEYWORDS: Main Arm, water quality, sediments, invertebrates, fish, water use.
REF. NO.: ...63 LOCATION: WPMB impact CALL NO.: F4-EI.3
- Beak Consultants Ltd. 1981. Overview summary: Environmental impact study for proposed improvements to the Fraser River shipping channel. Rept. for Public Works Canada, Pacific Region.
KEYWORDS: Main Arm, water quality, sediments, invertebrates, fish, water use.
REF. NO.: ...64 LOCATION: WPMB impact CALL NO.: F4-EI.5
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.3, Appendix A. The existing physical environment. National Harbours Board, 91p.
KEYWORDS: Roberts Bank, water use, commercial use, shipping, physical environment, sediments.
REF. NO.: ..305 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.4, Appendix B. The existing biological environment. National Harbours Board, 140p+.
KEYWORDS: Roberts Bank, water use, commercial use, shipping, fish, birds.
REF. NO.: ..227 LOCATION: new CALL NO.: new
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.6, Appendix D. Engineering and commodity projections. National Harbours Board, 198p.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..288 LOCATION: new CALL NO.: new
- Beak-Hinton Consultants Ltd. 1978. Response to "A statement of deficiencies in the environmental assessment of Roberts Bank port expansion". Nat. Harbours Board, 198p.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..548 LOCATION: Public Works CALL NO.: 8-62
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.5, Appendix C. The existing socio-economic environment. Nat. Harbours Board, 153p.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..549 LOCATION: Public Works CALL NO.: 8-62
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.2, Main report. Nat. Harbours Board, 201p.
KEYWORDS: estuary, water use, commercial use, shipping, sediments, water quality.
REF. NO.: ..550 LOCATION: Public Works CALL NO.: 8-62
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.1, Summary., 17p. Nat. Harbours Board.
KEYWORDS: Roberts Bank, water use, commercial use, shipping, water quality, sediments.
REF. NO.: ..551 LOCATION: Public Works CALL NO.: 8-62
- Becker, R.E. 1971. An ecological perspective of the Fraser River delta foreshores. M.Sc. thesis, Dept. Plant Science, UBC, 49pp.
KEYWORDS: estuary, plants, vascular plants.
REF. NO.: ..383 LOCATION: GVRD library CALL NO.: K172 B42
- Bell, C.R. and L.J. Albright. 1982. Bacteriological investigation of the neuston and plankton in the Fraser River estuary, British Columbia. Estuar. Coast. Shelf Sci. 15(4):385-394.
KEYWORDS: estuary, bacteria.
REF. NO.: ..185 LOCATION: Churchland CALL NO.: none

REFERENCES (listing continued):

- Bell, C.R. and L.J. Albright. 1981. Attached and free-floating bacteria in the Fraser River estuary, British Columbia, Canada. *Mar. Ecol.* 6(3):317-327.
KEYWORDS: estuary, bacteria.
REF. NO.: ..180 LOCATION: Churchland CALL NO.: none
- Bell, C.R. and L.J. Albright. 1982. Attached and free-floating bacteria in a diverse selection of water bodies. *Appl. Environ. Microbiol.* 43(6):1227-1237.
KEYWORDS: estuary, bacteria.
REF. NO.: ..182 LOCATION: Churchland CALL NO.: none
- Benedict, A.H., K.J. Hall, and F.A. Koch. 1973. A preliminary water quality survey of the Lower Fraser River system. Westwater Research Centre, UBC, Tech. Rept. 2, 50p.
KEYWORDS: estuary, water quality, sediments, trace metals, nutrients, bacteria.
REF. NO.:3 LOCATION: WQB library CALL NO.: 808 A165
- Bennett, K. 1983. A study of the storm water quality at the Vancouver International Airport: south side. Report to Richmond Environmental Health Division.
KEYWORDS: North Arm, contaminant sources, stormwater discharges, trace metals, nutrients.
REF. NO.: ..259 LOCATION: new CALL NO.: new
- Bennett, M.G. 1973. Indian fishing and its cultural importance in the Fraser River system. Environment Canada, Fisheries Service, 44p.
KEYWORDS: estuary, water use, recreational use, fishing, Indian, fish.
REF. NO.: ..317 LOCATION: DFO,Vanc CAN 11 CALL NO.: S 1973-1
- Bergerud, W.A. and L.J. Alexander. 1981. Fraser River Estuary Study: water quality. Survey of dissolved oxygen in 1978. APD Bulletin 18 Prepared for Aquatic Studies Branch, Ministry of Environment, Victoria, B.C.
KEYWORDS: estuary, water quality, oxygen.
REF. NO.: ..460 LOCATION: new CALL NO.: new
- Bethell, G. 1977. A summary status report for the inventory of toxic and hazardous waste generation within the GVRD. Unpaginated.
KEYWORDS: estuary, contaminant sources, industrial effluents.
REF. NO.: ..632 LOCATION: new CALL NO.: new
- Birtwell, I. 1984. The discharge of sewage from the Iona Island sewage treatment plant: the concern. Proceedings of the workshop on municipal marine discharge, EPS, Environment Canada, Vancouver, 3p..
KEYWORDS: Sturgeon Bank, fish, salmon, water quality, oxygen.
REF. NO.: ..124 LOCATION: WQB library CALL NO.: 1302.2 EPS

REFERENCES (listing continued):

- Birtwell, I.K. et al. 1983. Studies on the impact of municipal sewage discharges onto an intertidal area within the Fraser River estuary, British Columbia. Dept. Fish. and Oceans, Can. Tech. Rept. Fish. Aquat. Sci. No. 1170.
KEYWORDS: Sturgeon Bank, fish, water quality, salmon, sewage, bioassay.
REF. NO.: ..190 LOCATION: Valiela CALL NO.: none
- Birtwell, I.K. et al. 1981. Brief presented to the B.C. Pollution Control Board inquiry pertaining to the Annacis Island sewage treatment plant and municipal waste Dep. Fisheries and Oceans, Can. Ind. Rep. Fish. Aquat. Sci. No. 126, 51p.
KEYWORDS: Main Arm, contaminant sources, sewage, fish, salmon, fishing.
REF. NO.: ..271 LOCATION: new CALL NO.: new
- Birtwell, I.K. et al. 1985. Id. toxic organic cmpds. in municipal waste from Iona Isl. S.T.P. & effects of exposure on juv. chinook salmon (*O. tshawytscha*). Intl. Conf. New Directions & Res. in Waste Treat. & Residuals Mgmt., UBC, Vol. 2.
KEYWORDS: Sturgeon Bank, water quality, fish, sewage, trace organics, salmon.
REF. NO.: ..231 LOCATION: new CALL NO.: new
- Blood, D.A. 1978. Migratory bird use of South Arm of Fraser River December 1976 through November 1977. Canadian Wildlife Service, 27p + maps.
KEYWORDS: Main Arm, birds, distribution, abundance.
REF. NO.: ..552 LOCATION: Public Works CALL NO.: 8-60
- Blood, D.A. and M.J. Chutter. 1983. EIA of construction of a natural gas pipeline across Roberts Bank. Vol.4. Potential impact on wildlife of pipeline construction across Roberts Bank. B.C. Hydro.
KEYWORDS: Roberts Bank.
REF. NO.: ..517 LOCATION: B.C. Hydro CALL NO.:
- Book, A.N and R. Princic. 1975. Estimating flood damages in the Fraser River Basin. Inland Waters Directorate, Water Planning Branch, Dep. Environment for F.R. Advisory Bd., Fraser River Upstream Storage Study, 127p.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ...21 LOCATION: WPMB library CALL NO.: F-A.3-7
- Bourque, S.C. and E.C.W. Adams. 1975. Environmental impact assessment, small craft harbour proposal at Ladner, B.C. The Corporation of Delta, Delta, B.C., 117p.
KEYWORDS: Main Arm, physical environment, sediments, water quality, plants, fish.
REF. NO.: ...35 LOCATION: WPMB impact CALL NO.: F1-EI.3

REFERENCES (listing continued):

- Bowering, R., J.H. Doughty-Davies jr., and A.J. English. 1950. A preliminary survey of the industrial wastes in the Lower Fraser valley. Health Branch, Canada Dept. Health and Welfare, in cooperation with the Lower Fraser Pollution Committee, 5p.
KEYWORDS: estuary, contaminant sources, industrial effluents.
REF. NO.: ...51 LOCATION: WPMB library CALL NO.: F2-HQ.1
- Boyd, S. 1979. A review of various tidal marsh development techniques. Westwater Research Centre, UBC, Info. Rept. No. 1..
KEYWORDS: estuary, vascular plants, marsh plants.
REF. NO.: ..203 LOCATION: Westwater CALL NO.: out of pri
- Bradfield, G.E. and G.L. Porter. 1982. Vegetation structure and diversity components of a Fraser estuary tidal marsh. Can. J. Bot. 60(4):440-451.
KEYWORDS: Main Arm, plants, vascular plants, distribution.
REF. NO.: ..159 LOCATION: new CALL NO.: new
- Brinkhurst, R.O., P.M. Chapman and M.A. Farrell. 1983. A comparative study of respiration rates of some aquatic oligochaetes in relation to sublethal stress. Int. Revue ges. Hydrobiol. 68(5):683-699.
KEYWORDS: estuary, invertebrates, benthos, oligochaetes, bioassay, trace metals.
REF. NO.: ..620 LOCATION: new CALL NO.: new
- Brinkhurst, R.O., P.M. Chapman, and M.A. Farrell. 1982. Relative tolerances of selected aquatic oligochaetes to individual pollutants and environmental factors. Aquatic Toxicology 2:47-67.
KEYWORDS: estuary, invertebrates, benthos, oligochaetes, bioassay.
REF. NO.: ..643 LOCATION: CALL NO.:
- Brinkhurst, R.O., P.M. Chapman, and M.A. Farrell. 1982. Relative tolerances of selected aquatic oligochaetes to combinations of pollutants and environmental factors. Aquatic Toxicology 2:69-78.
KEYWORDS: estuary, invertebrates, benthos, oligochaetes, bioassay.
REF. NO.: ..639 LOCATION: CALL NO.:
- Brown, D.A., C.A. Bawden, K.W. Chatel, and T.R. Parsons. 1977. The wildlife community of Iona Island jetty, Vancouver, B.C., and heavy metal pollution effects. Environmental Conservation 4(3):213-216.
KEYWORDS: Sturgeon Bank, invertebrates, birds, contaminant sources, sewage, trace metals.
REF. NO.: ..618 LOCATION: new CALL NO.: new
- Brown, S. 1979. Environmental impact assessment of proposed rod mill. Tree Island Steel Co. Ltd., 66p.
KEYWORDS: North Arm, physical environment, water use, fish, birds, commercial use.
REF. NO.: ...36 LOCATION: WPMB impact CALL NO.: F1-EI.6

REFERENCES (listing continued):

- Brox, G.H. 1976. Water quality in the Lower Fraser River basin: a method to estimate the effects of pollution on the size of a salmon run. M.A.Sc. thesis, Dept. of Civil Engineering, UBC, 101p.
KEYWORDS: estuary, water quality, fish, salmon.
REF. NO.: ..117 LOCATION: WQB library CALL NO.: 603 A634
- Buchanan, K. (ed.). 1983. Proceedings of the 4th Pacific coast herring workshop, October 7-8, 1981. Can. Manu. Rep. Fish. Aquat. Sci. 1700. 151pp.
KEYWORDS: estuary, fish, herring, distribution, abundance.
REF. NO.: ..401 LOCATION: new CALL NO.: new
- Burgess, T.E. 1970. Food and habitat of four anatinids wintering on the Fraser Delta tidal marshes. M.Sc. thesis, Dept. Zoology, UBC.
KEYWORDS: estuary, birds, waterfowl, feeding, distribution.
REF. NO.: ..410 LOCATION: Zoology, UBC CALL NO.: none
- Burton, B.A. 1977. Some aspects of the ecology of Lesser Snow Geese wintering on the Fraser River estuary. M.Sc. thesis, Dept. Animal Science, UBC.
KEYWORDS: estuary, birds, waterfowl, feeding, distribution.
REF. NO.: ..360 LOCATION: Anim. Sci. UBC CALL NO.: none
- Burton, B.A., and R.J. Hudson. 1978. Activity budgets of lesser snow geese wintering on the Fraser River estuary, British Columbia. Wildfowl 29:111-117.
KEYWORDS: estuary, birds, waterfowl, distribution, feeding.
REF. NO.: ..241 LOCATION: new CALL NO.: new
- Butler, R.W. 1986. The birds of the Fraser River lowlands: populations, ecology, and international significance. Draft, Canadian Wildlife Service, Delta, Occasional Paper No., 85pp + tables.
KEYWORDS: estuary, birds, waterfowl, raptors, shorebirds, distribution.
REF. NO.: ..420 LOCATION: new CALL NO.: new
- C.B.A. Engineering Ltd. 1958. An introductory study for the development of the tidal sections of the Fraser River. Rept., for the New Westminster Harbour Commissioners, Vancouver, 144p. + appendices.
KEYWORDS: estuary, physical environment, tides.
REF. NO.: ...84 LOCATION: WPMB library CALL NO.: 26.17
- Cain, R.T. and L.G. Swain. 1980. Fraser River Estuary Study: water quality. Municipal effluents. Fraser River Estuary Study, Ministry of Environment, Victoria, 101p.
KEYWORDS: estuary, contaminant sources, water quality, sewage.
REF. NO.: ..101 LOCATION: WQB library CALL NO.: 1302.2

REFERENCES (listing continued):

- Cain, R.T., M.J.R. Clark, and N.R. Zorkin. 1980. Fraser River Estuary Study: water quality. Trace organic constituents in discharges. Fraser River Estuary Study, Ministry of Environment, Victoria, 56p.
KEYWORDS: estuary, contaminant sources, water quality, sewage, trace organics, chlorinated hydrocarbons.
REF. NO.: ..120 LOCATION: WQB lib 1302.2 CALL NO.: A1560
- Can. Scientific Society for Polln. & Environmental Control. 1970. The Fraser River report. S.P.E.C, 52p tables.
KEYWORDS: estuary, contaminant sources, water quality, sewage, agricultural effluents, pesticides.
REF. NO.: ..434 LOCATION: S.P.E.C CALL NO.: FRA 033
- Cantest Limited. 1982. Analysis of environmental contaminants in tissues of fish from the Fraser River. DSS file 05SB.KE202-0-0972, EPS, West Vancouver.
KEYWORDS: estuary, fish, bioaccumulation, trace organics, chlorinated hydrocarbons, pH.
REF. NO.: ..480 LOCATION: EPS, W.Van CALL NO.: Shrimpton
- Chang, P., S. Pond, and S. Tabata. 1976. Subsurface currents in the Strait of Georgia, west of Sturgeon Bank. J. Fish. Res. Board Can. 33:2218-2241.
KEYWORDS: Sturgeon Bank, physical environment, currents.
REF. NO.: ..593 LOCATION: new CALL NO.: new
- Chapman, P.M. 1981. Seasonal changes in the depth distributions of interstitial salinities in the Fraser River estuary, British Columbia. Estuaries 4(3):226-228.
KEYWORDS: estuary, physical environment, sediments, salinity.
REF. NO.: ..254 LOCATION: new CALL NO.: new
- Chapman, P.M. 1981. Measurements of the short-term stability of interstitial salinities in subtidal estuarine sediments. Estuar. Coast Shelf Sci. 12(1):67-81.
KEYWORDS: estuary, sediments, physical environment, salinity.
REF. NO.: ..250 LOCATION: new CALL NO.: new
- Chapman, P.M. and R.O. Brinkhurst. 1984. Lethal and sublethal tolerances of aquatic oligochaetes with reference to their use as a biotic index of pollution. Hydrobiologia 115:139-144.
KEYWORDS: estuary, invertebrates, sediments, water quality, benthos, oligochaetes.
REF. NO.: ..253 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Chapman, P.M. and R.O. Brinkhurst. 1980. Salinity tolerance in some selected aquatic oligochaetes. *Int. Revue ges. Hydrobiol.* 65(4):499-505.
KEYWORDS: estuary, physical environment, salinity, invertebrates, sediments, bioassay.
REF. NO.: ..352 LOCATION: new CALL NO.: new
- Chapman, P.M. et al. 1979. Tubificid oligochaetes as monitors of heavy metal pollution. *Proc. 5th Ann. Aquatic Toxicity Workshop, Hamilton Ont., Nov. 7-9, 1978. Fish. Mar. Service Tech. Rept. 862, pp.278-294.*
KEYWORDS: North Arm, invertebrates, oligochaetes, bioaccumulation, trace metals, benthos.
REF. NO.: ..133 LOCATION: WQB library CALL NO.: reprint
- Chapman, P.M., and R.O. Brinkhurst. 1981. Seasonal changes in interstitial salinities and seasonal movements of subtidal benthic invertebrates in the Fraser River estuary, B.C. *Estuar. Coast. Shelf Sci.* 12(1):49-66.
KEYWORDS: North Arm, physical environment, invertebrates, benthos, oligochaetes, salinity.
REF. NO.: ..223 LOCATION: new CALL NO.: new
- Chapman, P.M., D. Munday, and G.A. Vigers. 1980. Monitoring of polychlorinated biphenyls in the lower Fraser River - a data report. *E.V.S. Consultants Limited, 29p.*
KEYWORDS: estuary, water quality, fish, trace organics, chlorinated hydrocarbons, bioassay.
REF. NO.: ..232 LOCATION: new CALL NO.: new
- Chapman, P.M., L.M. Churchland, P.A. Thomson, E. Michnowsky. 1980. Heavy metal studies with oligochaetes. In: R.O. Brinkhurst and D.G. Cook (eds.), *Aquatic Oligochaete Biology:477-502.* Plenum Publishing Corp., New York.
KEYWORDS: North Arm, invertebrates, oligochaetes, bioaccumulation, trace metals, time series.
REF. NO.: ..131 LOCATION: WQB library CALL NO.: reprint
- Chapman, P.M., L.M. Churchland, P.A. Thomson, E. Michnowsky. none. Heavy metals in sediments and benthic organisms in the Lower Fraser River, B.C. An interim report. Unpublished report, Inland Waters Directorate, Vancouver, 34p + tables.
KEYWORDS: North Arm, invertebrates, oligochaetes, trace metals, bioaccumulation, sediments.
REF. NO.: ..134 LOCATION: WQB library CALL NO.: none

REFERENCES (listing continued):

- Chapman, P.M., M.A. Farrell, and R.O. Brinkhurst. 1982. Effects of species interactions on the survival and respiration of *Limnodrilus hoffmeisteri* and *Tubifex tubifex* (Oligochaeta, Tubificidae) exposed to various.... *Water Resour.* 16(9):1405-1408.
KEYWORDS: North Arm, water quality, invertebrates, benthos, oligochaetes, bioassay.
REF. NO.: ..252 LOCATION: new CALL NO.: new
- Chawla, V.K., J. Yip, and D.B. Cohen. 1976. Recycling of liquid digested sewage sludge on dredged river sand. *Dep. Environment, Wastewater Technology Centre, Ottawa, EN-43-4/76-3F*, 44p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, plants, trace metals, fecal coliforms.
REF. NO.: ..403 LOCATION: new CALL NO.: new
- Ching, H.L. 1984. Comparative resistance of Oregon (Big Creek) and British Columbia (*Capilano*) juvenile chinook salmon to the Myxozoan pathogen, *Ceratomyxa shasta*, after lab *Can. J. Zool.* 62(7):1423-1424.
KEYWORDS: estuary, fish, salmon, pathogens.
REF. NO.: ..244 LOCATION: new CALL NO.: new
- Ching, H.L. and D.R. Munday. 1984. Susceptibility of six Fraser chinook salmon stocks to *Ceratomyxa shasta* and the effects of salinity on *Ceratomyxosis*. *Can. J. Zool.* 62(6):1081-1083.
KEYWORDS: estuary, fish, salmon, pathogens.
REF. NO.: ..219 LOCATION: new CALL NO.: new
- Ching, H.L. and D.R. Munday. 1984. Geographic and seasonal distribution of the infectious stage of *Ceratomyxa shasta* Noble, 1950, a myxozoan salmonid pathogen in the Fraser River system. *Can. J. Zool.* 62(6):1075-1080.
KEYWORDS: estuary, fish, salmon, pathogens.
REF. NO.: ..242 LOCATION: new CALL NO.: new
- Chocair, J.A. and L.J. Albright. 1983. Actividad heterotrofica de microorganismos de sedimento y agua en Isla Iona, Columbia Britanica, Canada.. *An. Inst. Cienc. del Mar y Limnol. Univ. Nal. Auton. Mexico* 10(1):31-46.
KEYWORDS: Sturgeon Bank, sediments, bacteria.
REF. NO.: ..183 LOCATION: Churchland CALL NO.: none
- Church, I.R. 1970. An ecological review of our southwestern shores. *Ecological and Environmental Systems Consultants, West Vancouver.*
KEYWORDS: estuary, physical environment, fish, birds, contaminant sources, water quality.
REF. NO.: ..418 LOCATION: SPEC CALL NO.: FRA 003

REFERENCES (listing continued):

- Church, M., D. McLean, M. Mannerstrom, and D. Evans. 1984. Reference materials on sedimentation and morphology of the Lower Fraser River. Dept. of Geography, UBC, DSS contract 1 ST 83-00170, 243p.
KEYWORDS: estuary, sediments, physical environment, sedimentation, discharge.
REF. NO.: ...53 LOCATION: WPMB library CALL NO.: F1-HS.9
- Churchland, L.M. 1980. Fraser River Estuary Study: water quality. Microbial water quality, 1970 - 1977. Fraser River Estuary Study, Vancouver, 144p.
KEYWORDS: estuary, water quality, bacteria, contaminant sources, sewage, fecal coliforms.
REF. NO.: ...78 LOCATION: WPMB impact CALL NO.: F5-HQ.1-2
- Churchland, L.M. and R.W. Gordon. 1978. Isolation of *Flexibacter columnaris* from Fraser River water and sediments. Internat. Pacific Salmon Fish. Comm. Data Rept., 13p.
KEYWORDS: estuary, bacteria, fish pathogens, sediments.
REF. NO.: ..132 LOCATION: WQB library CALL NO.: reprint
- Churchland, L.M., G. Kan, and A. Ages. 1982. Variation in fecal pollution indicators through tidal cycles in the Fraser River estuary. Can. J. Microbiol. 28:239-247.
KEYWORDS: estuary, bacteria, fecal coliforms.
REF. NO.: ..129 LOCATION: WQB library CALL NO.: reprint
- Clague, J.J. and J.L. Luternauer. 1982. Where the river meets the sea, studies of the Fraser delta. Geos 11(2):8-12.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..447 LOCATION: new CALL NO.: new
- Clague, J.J., J.L. Luternauer, and R.J. Hebda. 1983. Sedimentary environments and postglacial history of the Fraser delta and lower Fraser valley, British Columbia. Can. J. Earth Sci. 20(8):1314-1326.
KEYWORDS: estuary, physical environment, sediments, sedimentation.
REF. NO.: ..238 LOCATION: new CALL NO.: new
- Clague, J.J. and J.L. Luternauer. 1983. Late Quarternary geology of southwestern British Columbia, Trip 6, Field Trip Guidebook. Geological Association of Canada, Victoria Section.
KEYWORDS: estuary, sediments, distribution.
REF. NO.: ..457 LOCATION: new CALL NO.: new
- Clark, D.W. and J.E. McInerney. 1974. Emigration of the peamouth chub, *Mylocheilus caurinus*, across a dilute seawater bridge: an experimental zoogeographic study. Can. J. Zool. 52:457-469.
KEYWORDS: estuary, fish, peamouth chub, bioassay, salinity tolerance.
REF. NO.: ..591 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Clark, E.M. 1965. 1964, 1948, and 1894 high-water profiles for the lower Fraser valley. Water Resources Branch, Dept. of Northern Affairs and Natural Resources, 15p+.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ...31 LOCATION: WPMB library CALL NO.: F1-H.2
- Clark, M.J.R. 1978. Graphical review of Fraser River water quality monitoring, 1970 - 75. Rept. 78-3, Pollution Control Branch, Ministry of Environment, Victoria, 79p.
KEYWORDS: estuary, water quality, trace metals, nutrients, major ions, oxygen.
REF. NO.: ..107 LOCATION: WQB lib 13202.1 CALL NO.: A1226
- Clark, M.J.R. 1978. A trend study of air and water quality in British Columbia. Pollution Control Branch, Ministry of Environment, Victoria, 52p.
KEYWORDS: North Arm, water quality, trace metals, bacteria, fecal coliforms, time series.
REF. NO.: ..138 LOCATION: WQB library CALL NO.: 1302.1
- Clark, M.J.R. 1976. Mercury concentrations in lake, river, and marine waters of British Columbia. Fish. Marine Service, Pac. Biol. Station, Nanaimo, Circular No. 105.
KEYWORDS: Main Arm, water quality, trace metals, mercury.
REF. NO.: ..364 LOCATION: new CALL NO.: new
- Clark, M.J.R. and P.A. Peppin. 1984. A trend study of water quality in British Columbia. Waste Management Branch, Ministry of Environment, Victoria, 75p.
KEYWORDS: North Arm, bacteria, fecal coliforms, water quality, trace metals, nutrients.
REF. NO.: ..135 LOCATION: WQB library CALL NO.: none
- Clark, M.J.R. et al. 1980. A preliminary study of water quality in the Fraser River and its tributaries. Rept. No. 80-12, Waste Management Branch, Ministry of Environment, Victoria, 301p.
KEYWORDS: estuary, water quality, major ions, nutrients, trace metals, time series.
REF. NO.: ..142 LOCATION: WQB library CALL NO.: 808 1669
- Clark, M.J.R., Krahn, P.K. and J.R. Walker. 1981. Fraser River Estuary Study: water quality. Dry weather storm sewer discharges. APD Bulletin 11, Ministry of Environment, Victoria, B.C.
KEYWORDS: estuary, contaminant sources, stormwater discharges, effluent quality, trace metals, nutrients.
REF. NO.: ..458 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

Coastline Environmental Sciences Ltd. prep. Liquid waste management study. Phase 1. Current literature. Greater Vancouver Sewerage and Drainage District.

KEYWORDS: estuary, water quality, contaminant sources.

REF. NO.: ..471 LOCATION: R. Jones, GVRD CALL NO.: none

Colnett, D. et al. 1986. Analysis of log storage in the North Fraser harbour: development of a terms of reference. ESSA Ltd. for N. Fraser Harbour Comm., 60p.

KEYWORDS: North Arm, water use, commercial use, log storage, fish, birds.

REF. NO.: ..505 LOCATION: FRES, N. West CALL NO.: none

Cooper, A.C. 1980. Industrial development is one of many threats. Western Fish. 99(4):52,54-55,57,70.

KEYWORDS: estuary, physical environment, fish, temperature, salmon, management.

REF. NO.: ..162 LOCATION: new CALL NO.: new

Cordes, R.E. et al. 1980. Estimates of entrainment in the Fraser River plume, British Columbia. Atmos. Ocean 18(1):15-26.

KEYWORDS: estuary, physical environment, salinity, currents.

REF. NO.: ..582 LOCATION: new CALL NO.: new

Council of Forest Industries, B.C. 1981. Summary Report. Estuary, foreshore and water log handling and transportation study. COFI, DFO, MOE.

KEYWORDS: estuary, water use, commercial use, log storage.

REF. NO.: ..492 LOCATION: new CALL NO.: new

Cypress Resource Consultants Ltd. 1983. EIA of construction of a natural gas pipeline across Roberts Bank. Vol.5. The potential impact on public use of pipeline construction across Roberts Bank. B.C. Hydro.

KEYWORDS: Roberts Bank.

REF. NO.: ..506 LOCATION: B.C. Hydro CALL NO.:

Daley, R.J. and C.B.J. Gray. 1975. A limnological reconnaissance of Ewen Slough, Reifel Island wildlife sanctuary, Delta, B.C. Canada Centre for Inland Waters, West Vancouver, Rept. for Canadian Wildlife Service, 7p.

KEYWORDS: Main Arm, water quality, major ions, nutrients, bacteria.

REF. NO.: ..141 LOCATION: WQB library CALL NO.: 808 670

Dawe, N.K., C.S. Runyan, and R. McKelvey. 1978. Seasonal food habits of the barn owl (*Tyto alba*) on the Alaksen National Wildlife Area, British Columbia. Can. Field Naturalist 92(2):151-155.

KEYWORDS: Main Arm, birds, raptors, feeding.

REF. NO.: ..437 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Derksen, G. prep. Seasonal differences in the water quality of No. 7 Road ditch in the nearshore area of the Fraser River adjacent to Richmond landfill. EPS, West Vancouver.
KEYWORDS: Main Arm, water quality, contaminant sources, landfill leachates, trace organics, trace metals.
REF. NO.: ..468 LOCATION: EPS CALL NO.: none
- Devlin, D.G. 1968. Wastewater treatment plant design experience at Vancouver, British Columbia. J. Water Poll. Contr. Fed. 40(3):468-477.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quantity.
REF. NO.: ..583 LOCATION: new CALL NO.: new
- Dorcey, A.H.J. 1982. The uncertain quest for a management strategy in the Fraser estuary. Can. Water Res. J. 6(4):95-118.
KEYWORDS: estuary, management.
REF. NO.: ..196 LOCATION: new CALL NO.: new
- Dorcey, A.H.J. prep. Bargaining in governments of Pacific coastal resources: research and reform. Westwater Research Centre, UBC.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..174 LOCATION: Westwater lib CALL NO.:
- Dorcey, A.H.J.. 1979. Coastal resources in the future of B.C.. Westwater Research Centre, UBC, 126p..
KEYWORDS: estuary, fish, water use, invertebrates, salmon, management.
REF. NO.: ..173 LOCATION: new CALL NO.: new
- Dorcey, A.H.J. (ed.). 1976. The uncertain future of the Lower Fraser River. Westwater Research Centre, UBC, 202p.
KEYWORDS: estuary, water quality, fish, trace metals, trace organics, invertebrates.
REF. NO.: ...13 LOCATION: WPMB library CALL NO.: F1-A.13
- Dorcey, A.H.J. and I.K. Fox. none. An assessment of university sponsored interdisciplinary research: The Wisconsin River and the lower Fraser River water quality studies. Westwater Research Centre, UBC, 5p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..195 LOCATION: new CALL NO.: new
- Dorcey, A.H.J. and K.J. Hall. 1981. Setting ecological research priorities for management: the art of the impossible in the Fraser River estuary. Westwater Research Centre, UBC, 78p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ...16 LOCATION: WPMB library CALL NO.: F1-E.8

REFERENCES (listing continued):

- Dorcey, A.H.J., K.J. Hall, D.A. Levy, and I. Yesaki. 1983. Estuarine habitat management: a prospectus for Tilbury Slough. Westwater Research Centre, UBC, 62p.
KEYWORDS: Main Arm, fish, birds, invertebrates, management.
REF. NO.: ...89 LOCATION: WPMB library CALL NO.: F124-EF.1
- Dorcey, A.H.J., T.G. Northcote, and D.V. Ward. 1978. Are the Fraser marshes essential to salmon?. Westwater Research Centre, UBC, Lecture No. 1, 29p.
KEYWORDS: estuary, fish, salmon, feeding, distribution, modelling.
REF. NO.: ...15 LOCATION: WPMB library CALL NO.: F1-E.7
- Douglas, A. 1984. An evaluation of wintering raptors in the Lower Mainland of British Columbia. BCIT Forestry report, B.C. Wildlife Branch files, Surrey (draft rept).
KEYWORDS: estuary, birds, raptors, distribution.
REF. NO.: ..350 LOCATION: Butler, CWS CALL NO.: none
- Drinnan, R.W. and M.J.R. Clark. 1980. Fraser River Estuary Study: water quality. Water chemistry, 1970-1978. Fraser River Estuary Study. Ministry of Environment, Victoria.
KEYWORDS: estuary, water quality, oxygen, nutrients, trace metals, trace organics.
REF. NO.:1 LOCATION: WQB library CALL NO.: none
- Duggan, D.M. and J.L. Luternauer. 1985. Development-induced tidal flat erosion, Fraser River delta, British Columbia. In Current Research, Part A, Geol. Survey of Canada, paper 85-1A, p.317-326.
KEYWORDS: Roberts Bank, sediments, erosion, vascular plants, eelgrass.
REF. NO.: ..446 LOCATION: new CALL NO.: new
- Duncan, M.J. 1983. Benthic study of proposed Fraser River sand-storage site on south shore of Steveston Island, B.C. Chemical Tech. Div., B.C. Research, for Public Works Canada, Project Rept. No. 201-767, 11p.
KEYWORDS: Main Arm, invertebrates, physical environment, sediments, particle size.
REF. NO.: ...32 LOCATION: WPMB library CALL NO.: F1-EF.3
- Duncan, M.J. 1984. Levels of contaminants in bivalve molluscs of British Columbia. Regional Program Report No. 83-19, Dep. Environ., EPS, Pacific Region.
KEYWORDS: estuary, bioaccumulation, invertebrates, benthos, trace metals, trace organics.
REF. NO.: ..638 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Dunford, W.E. 1975. Space and food utilization by salmonids in marsh habitats of the Fraser River estuary. M.Sc. thesis, Dept. Zoology, UBC, 81p.
KEYWORDS: estuary, fish, salmon, feeding, distribution.
REF. NO.: ..158 LOCATION: Ecology RR, UBC CALL NO.: thesis
- Dunn, B.P. and H.F. Stich. 1976. Monitoring procedures for chemical carcinogens in coastal waters. J. Fish. Res. Board Can. 33:2040-2046.
KEYWORDS: estuary, water quality, trace organics, carcinogens.
REF. NO.: ..193 LOCATION: Valiela CALL NO.: none
- Dutta, L.K. and P. Sookachoff. 1975. Assessing the impact of a 24 inch pipeline dredge on chum salmon fry in the Fraser River. Fisheries and Marine Service, Pac. Reg., PAC/T-75-26, 24p.
KEYWORDS: Main Arm, fish, water use, salmon, commercial use, dredging.
REF. NO.: ..312 LOCATION: new CALL NO.: new
- E.L.U.C. Secretariat. 1976. Annacis Island sewage treatment study. Environment and Land Use Committee, Victoria, 24p.
KEYWORDS: Main Arm, contaminant sources, sewage, water quality, trace metals, trace organics.
REF. NO.: ..123 LOCATION: WQB lib 1302.2 CALL NO.: A1093
- E.V.S. Consultants Ltd. 1982. Environmental evaluation of the Tsawwassen salt marsh in relation to flood control dyking. Rept. 148-1, for Indian and Northern Affairs Canada, Vancouver, 21p.
KEYWORDS: Roberts Bank, biota, plants, vascular plants, marsh plants, fish.
REF. NO.: ...88 LOCATION: WPMB library CALL NO.: F124-EI.2
- E.V.S. Consultants Ltd. 1979. Field sampling and analysis of dredge spoils for ocean dumping permit, Fraser River, B.C. Public Works Canada, 2p + tables + maps.
KEYWORDS: estuary, sediments, particle size, trace metals, organic content, dredging.
REF. NO.: ..546 LOCATION: Public Works CALL NO.: 8-72
- Ecological Sub-Cte. for V.I.A. Plann. Comm. 1976. An environmental impact assessment of the Vancouver International Airport expansion proposals. A summary report. Ecological Sub-cte. for V.I.A. Planning Comm., Environ. Canada, Van., 91p.
KEYWORDS: Sturgeon Bank, water use, water quality, contaminant sources, commercial use, dredging.
REF. NO.: ...62 LOCATION: WPMB impact CALL NO.: F3-EI.1
- Ecological Subcommittee, Vancouver Airport Planning Comm. 1975. An environmental impact assessment of the Vancouver International Airport expansion proposals. Lands Directorate, Environmental Management Serv., Environment Canada.
KEYWORDS: Sturgeon Bank, physical environment, sediments, water quality, fish, birds.
REF. NO.: ..539 LOCATION: Public Works CALL NO.: 8-19

REFERENCES (listing continued):

- Entech Environ. Consultants Ltd., Van., B.C. 1974. Assessment of impact of proposed Vancouver Int'l. Airport expansion on birds using the wetlands of Fraser R. delta, B.C. Prep. for Canadian Wildlife Service.
KEYWORDS: estuary, birds, waterfowl.
REF. NO.: ..345 LOCATION: Entech CALL NO.:
- Entech Environmental Consultants, Vancouver, B.C. 1981. Dissolved oxygen study at selected sampling sites on the Lower Fraser River. D.S.S. Contract 08SB.FP501-0-1874 to Dept. Fish. & Oceans.
KEYWORDS: estuary, water quality, oxygen.
REF. NO.: ..297 LOCATION: Entech CALL NO.:
- Envirocon Ltd. 1978. Don & Lion Islands marine terminal environmental impact study. Rept. for Rivtow Straits Limited, 116p + appendices. EA 1807.
KEYWORDS: Main Arm, physical environment, fish, plants, invertebrates, birds.
REF. NO.: ...29 LOCATION: WPMB library CALL NO.: F1-EI.5
- Envirocon Ltd. 1981. Environmental overview of a dredge spoil disposal site on Steveston Island. Rept. for Public Works Canada, EA 1886, 40p.+ appendices.
KEYWORDS: Main Arm, water use, plants, fish, birds, commercial use.
REF. NO.: ...37 LOCATION: WPMB library CALL NO.: F1-EI.8
- Envirocon Ltd. 1982. Assessment of two spoil disposal sites in the vicinity of Steveston Island. Rept. for Public Works Canada, EA 1896/WP 1000, 64p.+ appendices.
KEYWORDS: Main Arm, water use, plants, fish, birds, invertebrates.
REF. NO.: ...38 LOCATION: WPMB impact CALL NO.: F1-EI.9
- Envirocon Ltd. 1976. Environmental overview assessment and guidelines for DPW Lower Fraser River channel training program. Draft report. Rept. EA 1801, for Public Works Canada, 138p.
KEYWORDS: estuary, physical environment, water quality, water use, fish, training walls.
REF. NO.: ...60 LOCATION: WPMB library CALL NO.: F4-EI.1-1
- Envirocon Ltd. 1976. Lower Fraser River channel training program. Initial environmental evaluation. Rept. ER 1801, for Public Works Canada, 169p.
KEYWORDS: Main Arm, water quality, fish, birds, invertebrates, water use.
REF. NO.: ...61 LOCATION: WPMB library CALL NO.: F4-EI.1
- Envirocon Ltd. 1980. Fraser River estuary habitat development program, criteria summary report. EA 1830, 206p + 38p addendum.
KEYWORDS: estuary, fish, birds.
REF. NO.: ..307 LOCATION: DFO QH 541.5 E8 CALL NO.: F737+F7372

REFERENCES (listing continued):

- Envirocon Ltd. 1980. Environmental impact assessment of repairs to the Steveston north jetty. Envirocon Ltd. for Dep. Public Works.
KEYWORDS: Main Arm, water use, commercial use, shipping, plants, fish.
REF. NO.: ..532 LOCATION: Public Works CALL NO.: 8-125
- Envirocon Ltd. 1976. Lower Fraser River channel training program initial environmental evaluation. Envirocon Ltd. for Dep. Public Works, 169p + refs.
KEYWORDS: Main Arm, water use, commercial use, dredging, training walls, fish.
REF. NO.: ..538 LOCATION: Public Works CALL NO.: 8-20
- Envirocon Ltd. and W. Canada Hydr. Ltd. 1979. Fraser River estuary habitat development program site conditions summary report. Public Works Canada, EA 1830.
KEYWORDS: estuary, physical environment, sediments, plants, bathymetry, particle size.
REF. NO.: ..559 LOCATION: Public Works CALL NO.: 8-123
- Environment Canada. 1983. Fraser River model study: the application of a 1-dimensional hydrodynamic model to the lower Fraser River. Water Planning and Management Branch and Water Resources Branch in coop. with Water Resources Branch, 61p.
KEYWORDS: estuary, physical environment, discharge, modelling.
REF. NO.: ...44 LOCATION: WPMB library CALL NO.: F1-HF.11
- Environmental Assessment Panel. 1976. Guidelines to prepare an environmental impact statement for the proposed Fraser River shipping channel project. Environmental Assessment Panel Office, Environment Canada, 11p.
KEYWORDS: Main Arm, water use, commercial use, shipping.
REF. NO.: ..281 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1978. Boundary Bay Airport reactivation guidelines review, written submissions received by the Panel prior to July 25, 1978. Environmental Assessment Panel, Fisheries and Environment Canada.
KEYWORDS: Boundary Bay.
REF. NO.: ..290 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1979. Boundary Bay Airport reactivation. Federal Environmental Assessment Review Office, 60p.
KEYWORDS: Boundary Bay, birds, water quality, plants.
REF. NO.: ..291 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1978. Guidelines for preparation of an environmental impact statement on the proposed reactivation of Boundary Bay Airport. Federal Environmental Assessment Review Office, Environment Canada, 15p.
KEYWORDS: Boundary Bay.
REF. NO.: ..293 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Environmental Assessment Panel. 1978. Boundary Bay reactivation - a compendium of written submissions on draft environmental impact statement guidelines to the Environmental Assessment Panel. Environment Canada, 90p.
KEYWORDS: Boundary Bay.
REF. NO.: ..294 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1978. Proceedings of public meeting to hear comments on draft guidelines for an environmental impact statement on the proposed reactivation of Boundary Bay Airport. Allwest Reporting Ltd., 174p.
KEYWORDS: Boundary Bay.
REF. NO.: ..295 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 1. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..299 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 2. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..300 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 3. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..301 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 4. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..302 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 5. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..303 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 6. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..304 LOCATION: new CALL NO.: new

Environmental Assessment Panel, Roberts Bank port expansion. 1978. Final review. Written submissions received by the Panel prior to October 20, 1978. Environmental Assessment Panel.
KEYWORDS: Roberts Bank.
REF. NO.: ..547 LOCATION: Public Works CALL NO.: 8-72

Environmental Control Office. curr. Data base. Stormwater drainage at Boundary Bay airport. Environmental Control Office, Eng. Dept., Corp. of Delta.
KEYWORDS: Boundary Bay, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.
REF. NO.: ..603 LOCATION: V. Kucy CALL NO.: none

Environmental Control Office. curr. Data base. Stormwater drainage at Tilbury Slough. Environmental Control Office, Eng. Dept., Corp. of Delta.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.
REF. NO.: ..604 LOCATION: V. Kucy CALL NO.: none

Environmental Control Office. 1978. Data base. Surface water quality survey, Delta, B.C.. Environmental Control Office, Eng. Dept., Corp. of Delta.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.
REF. NO.: ..605 LOCATION: V. Kucy CALL NO.: none

Environmental Control Office. curr. Survey of stormwater in the vicinity of Burns Bog landfill site. Environmental Control Office, Eng. Dept., Corp. of Delta.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.
REF. NO.: ..606 LOCATION: V. Kucy CALL NO.: none

Environmental Control Office. curr. Data base. Survey of stormwater at Annacis Island, Phase I area (Audley Blvd. drainage channel). Environmental Control Office, Eng. Dept., Corp. of Delta.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.
REF. NO.: ..607 LOCATION: V. Kucy CALL NO.: none

REFERENCES (listing continued):

- Environmental Emergency Branch. prog. Spill report data base. E.P.S.
Computerized data base of oil and chemical spills. Environmental
Emergency Branch, E.P.S.
KEYWORDS: estuary, contaminant sources, diffuse sources.
REF. NO.: ..272 LOCATION: EPS, W. Van CALL NO.: W Phillips
- Environmental Protection Service. prep. Toxic chemicals information
service. Data bank of provincial and federal water quality
data. Environmental Protection Service, West Vancouver.
KEYWORDS: estuary, water quality, trace metals, trace organics, mercury,
PCB's.
REF. NO.: ..246 LOCATION: EPS, West Van CALL NO.: Shrimpton
- Environmental Protection Service. none. A water quality and biological
assessment of three rivers in the lower Fraser valley, B.C.
Unpaginated.
KEYWORDS: Boundary Bay, water quality, nutrients, oxygen.
REF. NO.: ..624 LOCATION: CALL NO.:
- Environmental Protection Service. 1982. Summary report: toxic screening
studies at municipal sewage treatment plants 1979 - 1981. Water
Pollution Control Directorate (draft rept.), EPS, 45p.
KEYWORDS: Main Arm, contaminant sources, water quality, sewage, trace
organics.
REF. NO.: ..346 LOCATION: L. Swain CALL NO.: none
- Evans, D. prep. Airborne definition of surface water content in soils in
Boundary Bay. MSc. thesis, Dep. Geog., S.F.U.
KEYWORDS: Boundary Bay, sediments.
REF. NO.: ..610 LOCATION: Dep. Geog. SFU CALL NO.: A. Roberts
- F.F. Slaney & Company Limited. 1979. Environmental impact statement on the
reactivation of Boundary Bay Airport. Volume 1. Summary. Transport
Canada, 31p.
KEYWORDS: Boundary Bay, physical environment, birds, plants, fish, water
use.
REF. NO.: ..292 LOCATION: new CALL NO.: new
- F.F. Slaney & Company Limited. 1979. Environmental impact statement on the
reactivation of Boundary Bay Airport. Volume 3. Review of related
developments. Transport Canada, 17p+.
KEYWORDS: Boundary Bay.
REF. NO.: ..215 LOCATION: new CALL NO.: new
- Fairbairn B. 1974. Sawlog pollution in the lower Fraser River. MSc.
thesis, Sch. of Comm. and Reg. Plann., UBC, 125p.
KEYWORDS: estuary, water quality, water use, commercial use, log storage.
REF. NO.: ..216 LOCATION: Westwater CALL NO.: O5G F35s

REFERENCES (listing continued):

- Fairbairn, B. and K. Peterson. 1975. Controlling sawlog debris in the lower Fraser River. Westwater Research Centre, UBC, Tech. Rept. No. 5, 35p.
KEYWORDS: estuary, water use, commercial use, log storage.
REF. NO.: ...30 LOCATION: WPMB library CALL NO.: F1-E.4
- Federal Environmental Assessment Review Office. 1979. Report of the Environmental Assessment Panel - Roberts Bank port expansion. Environment Canada, 70p.
KEYWORDS: Roberts Bank, physical environment, water quality, plants, invertebrates, fish.
REF. NO.: ..298 LOCATION: new CALL NO.: new
- Ferguson, K.D. and B.H. Kay. 1978. Shellfish growing water sanitary survey of Semiahmoo Bay and selected areas of Boundary Bay. EPS, Environment Canada, Vancouver, Regional program rept. 78-11, 100p.
KEYWORDS: Boundary Bay, invertebrates, bacteria, water quality, shellfish.
REF. NO.: ..122 LOCATION: WQB library CALL NO.: 1302.2
- Ferguson, K.D. and K.J. Hall. 1979. Fraser River Estuary Study: water quality. Stormwater discharges. Fraser River Estuary Study, Ministry of Environment, Victoria, 197p.
KEYWORDS: estuary, water quality, stormwater discharges, effluent quality.
REF. NO.: ...79 LOCATION: WPMB library CALL NO.: F5-HQ.1-1
- Fish and Wildlife Branch. 1986. Region II (Lower Mainland) steelhead/sea-run cutthroat management 1986 and beyond. B.C. Min. Environment. 14p+.
KEYWORDS: estuary, fish, steelhead, water use, recreational use, fishing.
REF. NO.: ..487 LOCATION: new CALL NO.: new
- Fisheries and Environment Canada. 1977. Tilbury Slough Dyking. An interagency report. Fisheries and Environment Canada, B.C. Ministries of Environment and Recreation and Conservation, Corp. of Delta, 49p. + append.
KEYWORDS: Main Arm, water quality, fish, salmon, birds.
REF. NO.: ...91 LOCATION: WPMB library CALL NO.: F124-DL.19
- Fisheries and Environment Canada. 1977. Fraser River delta and estuary region: outdoor recreation. Lands Directorate, Environment Canada, maps.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..382 LOCATION: GVRD library CALL NO.: K208 C12
- Fisheries Canada and Int. Pac. Salmon Fish. Comm.. 1958. The salmon spawning grounds of the Fraser River below Hope and of the Harrison River in relation to the dredging of shipping channels. Report 1958-5, 9p.
KEYWORDS: estuary, fish, water use, salmon, commercial use, dredging.
REF. NO.: ..322 LOCATION: DFO, Vanc CAN 8 CALL NO.: 1958-5

REFERENCES (listing continued):

- Fletcher, W.K. and G.S. Holmes. 1983. Geochemistry and biological availability of iron and trace elements in the upper Fraser River estuary. *Mar. Chem.* 12(2-3):195-217.
KEYWORDS: Main Arm, water quality, plants, trace metals, algae, nutrients.
REF. NO.: ..235 LOCATION: new CALL NO.: new
- Fletcher, W.K., G.S. Holmes, and A.G. Lewis. 1983. Geochemistry and biological availability of iron and trace elements in the upper Fraser River estuary. *Marine Chemistry* 12:195-217.
KEYWORDS: Main Arm, water quality, trace metals, iron, bioassay, biological availability.
REF. NO.: ..587 LOCATION: new CALL NO.: new
- Forbes, L.S. et al. 1985. Great blue heron colonies in British Columbia. Unpublished report, Canadian Wildlife Service, Delta, 78pp.
KEYWORDS: North Arm, birds, herons, abundance, feeding.
REF. NO.: ..429 LOCATION: new CALL NO.: new
- Forbes, R.D. 1973. A floral description of the Fraser River estuary and Boundary and Mud Bays, B.C. Unpublished report, B.C. Fish and Wildlife Branch, Burnaby, 94p.
KEYWORDS: estuary, Boundary Bay, plants, vascular plants, distribution.
REF. NO.: ..351 LOCATION: Butler, CWS CALL NO.: none
- Forrester, C.R., K.S. Ketchen, and C.C. Wong. 1972. Mercury content of spiny dogfish (*Squalus acanthias*) in the Strait of Georgia, British Columbia. *J. Fish. Res. Board Can.* 29:1487-1490.
KEYWORDS: estuary, fish, dogfish, bioaccumulation, mercury.
REF. NO.: ..597 LOCATION: new CALL NO.: new
- Fox, I.K. and J.P. Nowlan. 1978. The management of estuarine resources in Canada. Canadian Environmental Advisory Council Report No. 6, 51p.
KEYWORDS: estuary, fish, water use, commercial use.
REF. NO.: ..493 LOCATION: new CALL NO.: new
- Franson, M.A. 1973. Environmental quality in Greater Vancouver. Rept. for Planning Dept., Greater Vancouver Regional District, 39p.
KEYWORDS: estuary, water quality, contaminant sources, sewage, quantity.
REF. NO.: ...94 LOCATION: WPMB library CALL NO.: GV-E.2
- Fraser River Board. 1956. Interim report investigations into measures for flood control in the Fraser River basin. Victoria, 71p.
KEYWORDS: estuary, physical environment, flooding.
REF. NO.: ..320 LOCATION: DFO, Vanc CALL NO.: CAN 126
- Fraser River Board. 1963. Flood control and hydro-electric power in the Fraser river basin. Final Report. Fraser River Board, Victoria, 106pp.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..390 LOCATION: GVRD library CALL NO.: K174 F75

REFERENCES (listing continued):

- Fraser River Ecology Committee. 1976. Ecological and other consequences of the proposed System E development in the Fraser River basin. Fraser River Upstream Storage Review, Canada-British Columbia Fraser River Joint Advisory Board, 295p.
KEYWORDS: estuary, physical environment, flooding, fish, salmon, water use.
REF. NO.: ...22 LOCATION: WPMB library CALL NO.: F-A.3-8
- Fraser River Estuary Management Program Review Committee. 1984. An implementation strategy for the Fraser River estuary management program. Environment Canada, B.C. Ministry of Environment, C1980. IV, 45p.
KEYWORDS: estuary, water quality, fish, birds, water use, time series.
REF. NO.: ..154 LOCATION: new CALL NO.: new
- Fraser River Estuary Monitoring Working Committee. 1984. Fraser River estuary monitoring - A recommended approach. The Working Committee on Fraser River Estuary Monitoring, 43pp.
KEYWORDS: estuary, water quality, sediments, fish, invertebrates, monitoring.
REF. NO.: ..629 LOCATION: new CALL NO.: new
- Fraser River Estuary Study. 1982. Fraser River Estuary Study. Report of the area designation task force, vols. 1 and 2. Fraser River Estuary Study, Technical background report - phase II, Ministry of Environment, Surrey, 264p. + unpaginated volume.
KEYWORDS: estuary, contaminant sources, water quality, sediments, plants, invertebrates.
REF. NO.: ...80 LOCATION: WQB library CALL NO.: 808 A1360
- Fraser River Estuary Study. 1978. Fraser River Estuary Study:water quality. Interim report of the water quality work group. Fraser River Estuary Study, Ministry of Environment, Victoria, 86p.
KEYWORDS: estuary, water quality.
REF. NO.: ...99 LOCATION: WQB library CALL NO.: 0808 A1289
- Fraser River Estuary Study. 1979. Fraser River Estuary Study:water quality. Summary report of the water quality work group. Fraser River Estuary Study, Ministry of Environment, Victoria, 176p.
KEYWORDS: estuary, water quality, contaminant sources, sewage, trace metals.
REF. NO.: ..100 LOCATION: WQB library CALL NO.: none
- Fraser River Estuary Study Planning Comm. 1982. A living river by the door. A proposed management program for the Fraser river estuary. Fraser River Estuary Study, Phase 2. Fraser River Estuary Study, MOE, Victoria, 64p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ...76 LOCATION: WPMB library CALL NO.: F5-H.3

REFERENCES (listing continued):

Fraser River Estuary Study Planning Committee. 1981. A living river by the door. A public review workbook on the draft management program for the Fraser River estuary. Fraser River Estuary Study, Surrey.

KEYWORDS: estuary, water use, management.

REF. NO.: ..501 LOCATION: FRES CALL NO.: none

Fraser River Estuary Study Recreation Work Group. 1978. Fraser River Estuary Study: recreation. Recreation Work Group, Ministry of Environment, Victoria, 67p + appendices.

KEYWORDS: estuary, water use, recreational use, boating, fishing, swimming.

REF. NO.: ..287 LOCATION: new CALL NO.: new

Fraser River Estuary Study Steering Committee. 1978. Fraser River Estuary Study. Summary Report. Fraser River Estuary Study, Environment and Land Use Committee Secretariat, Victoria, 145p.

KEYWORDS: estuary, water quality, water use, sediments, recreational use, commercial use.

REF. NO.: ...75 LOCATION: WPMB impact CALL NO.: F5-E.2-2

Fraser River Estuary Study Steering Committee. 1978. Fraser River Estuary Study. Key findings and recommendations. Summary proposals for develop. estuary mgmt. plan. Fraser River Estuary Study, Ministry of Environment, Victoria, 22p.

KEYWORDS: estuary, water use, recreational use, land use.

REF. NO.: ...90 LOCATION: WPMB F5-E.2-1 CALL NO.: WQB 501

Fraser River Estuary Study Steering Committee. 1978. Fraser River Estuary Study: land use and transportation. Fraser River Estuary Study, Ministry of Environment, Victoria, 277p.

KEYWORDS: estuary.

REF. NO.: ..286 LOCATION: new CALL NO.: new

Fraser River Flood Control Program. 1985. Tsawwassen I. R. - collected environmental reports and approvals. Water Planning Branch, Inland Waters Directorate, Environment Canada, Vancouver, file F124-DL.26.

KEYWORDS: Roberts Bank, plants, vascular plants.

REF. NO.: ...93 LOCATION: WPMB library CALL NO.: F124-DL.26

Fraser River Flood Control Program. 1968. Information guide, 27p. .

KEYWORDS: estuary, physical environment, flooding, management.

REF. NO.: ..503 LOCATION: FRES, N. West CALL NO.: none

Fraser River Harbour Commission. 1973. Annual report. New Westminster, annual.

KEYWORDS: estuary, water use, industrial use, commercial use.

REF. NO.: ..218 LOCATION: Westwater CALL NO.: O6E F73

REFERENCES (listing continued):

- Fraser River Joint Advisory Board. 1970. Annual report. Fraser River Joint Advisory Board.
KEYWORDS: estuary, water quality.
REF. NO.: ..220 LOCATION: Westwater CALL NO.: O4A F73a
- Fraser River Shipping Channel Environmental Assessment Panel. 1982. Panel questions to Public Works Canada and draft environmental impact statement (EIS) guidelines. Environmental Assessment Review, Govt. of Canada, 41p.
KEYWORDS: Main Arm, water use, commercial use, shipping.
REF. NO.: ..280 LOCATION: new CALL NO.: new
- Fraser River Upstream Storage Study. 1974. FRUSS Task 58. River regime and sediment studies. Draft internal report. Water Planning and Management Branch, IWD, Environment Canada, Vancouver, 17pp.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..342 LOCATION: Tassone, WSC CALL NO.: none
- Friesen, B.F.J. 1974. A study of the opportunities and costs of preserving recreational sites along the lower Fraser River. M.A. thesis, Sch. of Comm. and Reg. Plann., UBC, 174p.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..221 LOCATION: Westwater CALL NO.: O6G F75s
- Fry, K. 1980. Aspects of the winter ecology of the dunlin (*Calidris alpina*) on the Fraser River delta. Unpublished report, Canadian Wildlife Service, Delta.
KEYWORDS: estuary, Boundary Bay, birds, shorebirds, feeding, abundance.
REF. NO.: ..412 LOCATION: new CALL NO.: new
- Fry, K. 1981. Migratory bird use of experimental dredge spoil islands in the Fraser River delta. Canadian Wildlife Service, Pacific and Yukon Region, 17p + appendices.
KEYWORDS: Main Arm, water use, commercial use, dredging, birds, distribution.
REF. NO.: ..558 LOCATION: Public Works CALL NO.: 8-147
- Garrett, C.L. 1980. Fraser River Estuary Study: water quality. Toxic organic contaminants. Fraser River Estuary Study, Ministry of Environment and Environment Canada, Vancouver, 125p.
KEYWORDS: estuary, water quality, trace organics, sediments, fish, pesticides.
REF. NO.: ...77 LOCATION: WPMB library CALL NO.: F5-HQ.1-3
- Garrett, C.L. 1976. Environmental contamination by polychlorinated biphenyls (PCB's) in British Columbia. A summary of current data, 1976. Environmental Impact Rept. EPS 8-PR-76-3, EPS Pac. Reg., Environment Canada, Vancouver, 74p.
KEYWORDS: estuary, fish, invertebrates, birds, PCB's, bioaccumulation.
REF. NO.: ..144 LOCATION: WQB lib 1302.2 CALL NO.: A855

REFERENCES (listing continued):

- Garrett, C.L. prep. Chemicals in the environment. Pacific and Yukon Region.
I. Mercury. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, water quality, sediments, trace metals, fish, birds.
REF. NO.: ..474 LOCATION: EPS West Van CALL NO.: none
- Garrett, C.L. prep. Chemicals in the environment, Pacific and Yukon Region.
II. Cadmium. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, water quality, sediments, trace metals, fish, birds.
REF. NO.: ..475 LOCATION: EPS West Van CALL NO.: none
- Garrett, C.L. prep. Chemicals in the environment. Pacific and Yukon Region.
III. Polychlorinated biphenols. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, water quality, sediments, trace organics, fish, birds.
REF. NO.: ..476 LOCATION: EPS West Van CALL NO.: none
- Garrett, C.L. prep. Chemicals in the environment. Pacific and Yukon Region.
IV. Lead. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, water quality, sediments, trace metals, fish, birds.
REF. NO.: ..477 LOCATION: EPS West Van CALL NO.: none
- Garrett, C.L. prep. Chemicals in the environment. Pacific and Yukon Region.
V. Chlorophenols. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, water quality, sediments, trace organics, fish, birds.
REF. NO.: ..478 LOCATION: EPS West Van CALL NO.: none
- Garrett, C.L. 1983. An overview of PCB's and their current status in
British Columbia. EPS, Pacific and Yukon Region, Regional Prog.
Rep. 83-16.
KEYWORDS: estuary, water quality, sediments, trace organics, PCB's,
invertebrates.
REF. NO.: ..479 LOCATION: EPS West Van CALL NO.: none
- Garrett, C.L., H. Sneddon, J. Shrimpton, and L. MacLeod. prep. Cadmium in
the B.C. and Yukon environment. EPS, Environment Canada, West
Vancouver, Regional progress report.
KEYWORDS: estuary, water quality, sediments, trace metals, fish, birds.
REF. NO.: ..473 LOCATION: EPS West Van CALL NO.: none
- Garrison, R.E. et al. 1969. Early diagenetic cementation of recent sands,
Fraser River delta, British Columbia. Sedimentology 12:27-46.
KEYWORDS: estuary, physical environment, sediments, particle size.
REF. NO.: ..449 LOCATION: new CALL NO.: new
- Gaspard, J.F. 1979. Beach erosion immediately south of the Tsawwassen
causeway, Vancouver, B.C. B.A.Sc. thesis, Dept. Geological
Engineering, UBC, 92pp.
KEYWORDS: Roberts Bank, physical environment, sediments, sedimentation,
erosion.
REF. NO.: ..406 LOCATION: Luternauer, GSC CALL NO.: none

REFERENCES (listing continued):

- Gee, J.H. and T.G. Northcote. 1963. Comparative ecology of two sympatric species of dace (*Rhinichthys*) in the Fraser River system, British Columbia. *J. Fish. Res. Board Can.* 20(1):105-118.
KEYWORDS: estuary, fish, distribution, feeding.
REF. NO.: ..166 LOCATION: new CALL NO.: new
- Geesey, G.G., L. Borstad, and P.M. Chapman. 1984. Influence of flow related events on concentration and phase distribution of metals in the lower Fraser River and a small tributary stream in British Columbia. *Water Res.* 18(2):233-238.
KEYWORDS: Main Arm, water quality, sediments, trace metals, copper, nickel.
REF. NO.: ..237 LOCATION: new CALL NO.: new
- Giovando, L.F. and S. Tabata. 1970. Measurements of surface flow in the Strait of Georgia by means of free-floating current followers. *Fish. Res. Bd. of Can. Technical Report No. 163*, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents.
REF. NO.: ..575 LOCATION: S. Tabata CALL NO.: none
- Golder Associates Consulting Geotechnical Engineers. 1977. Leachate containment investigation Richmond landfill, Richmond, British Columbia. Golder Associates Consulting Geotechnical Engineers for Dep. Public Works, 25p+.
KEYWORDS: Main Arm, contaminant sources, water quality, landfill leachates, major ions.
REF. NO.: ..535 LOCATION: Public Works CALL NO.: 8-25
- Goldie, C.A. 1967. Pollution and the Fraser. Rep. I-Dealing with preliminary investigations of waste disposal to the lower Fraser River. Pollution Control Branch, B.C. Water Res. Serv., 55p.
KEYWORDS: estuary, water quality, contaminant sources, sewage.
REF. NO.: ..224 LOCATION: Westwater CALL NO.: O5G B75p
- Goldie, C.A. 1967. Waste disposal to the lower Fraser River. Pollution Control Br., 55p.
KEYWORDS: estuary, physical environment, water quality, water use, bacteria.
REF. NO.: ..323 LOCATION: DFO, Vanc TD CALL NO.: 227 B7 G64
- Goodman, D.A.. 1975. Fisheries resources and food web components of the Fraser River estuary... Vol. I of II, preliminary draft. Environment and Fisheries & Marine Service.
KEYWORDS: estuary, physical environment, fish, discharge, salmon, distribution.
REF. NO.: ..274 LOCATION: T.G. Northcote CALL NO.: 4716

REFERENCES (listing continued):

- Gordon, D.K. and C.D. Levings. 1984. Seasonal changes in inshore fish populations on Sturgeon and Roberts Bank, Fraser River estuary, British Columbia. Dep. Fisheries and Oceans, Can. Tech. Rep. Fish. Aquat. Sci. No. 1240, 85p.
KEYWORDS: estuary, fish; water quality, salmon; distribution, oxygen.
REF. NO.: ..273 LOCATION: new CALL NO.: new
- Gore and Storrie Limited. 1985. Report on odour problems at Iona Island water pollution control plant. Unpublished report for Greater Vancouver Sewerage and Drainage District, 18pp.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, odours.
REF. NO.: ..385 LOCATION: GVRD library CALL NO.: cabinet
- Gough, G. 1981. Environmental impact review. Roberts Bank port. Internal report, Waste Management Branch, 11p.
KEYWORDS: Roberts Bank, water quality, sediments, particle size, oxygen, turbidity.
REF. NO.: ..432 LOCATION: Vanc. Port CALL NO.: B. Moody
- Greater Vancouver Regional District. 1977. Fraser River recreation report. The results of a summer survey (August 1977) of visitors to recreation sites along the Fraser R. and estuary downriver Mission. Greater Vancouver Regional District.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..436 LOCATION: G.V.R.D CALL NO.: REC 005
- Greater Vancouver Regional District. 1976. Regional Parks Review: 1976, History, status and current planning. Greater Vancouver Regional District, 26p.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..376 LOCATION: GVRD library CALL NO.: none
- Greater Vancouver Regional Parks District. 1978. Outdoor recreation review: regional recreation opportunities. Greater Vancouver Regional Parks District.
KEYWORDS: estuary, water use, recreational use, boating, fishing, swimming.
REF. NO.: ..394 LOCATION: GVRD library CALL NO.: cabinet
- Greater Vancouver Sewerage and Drainage District. 1967. Brief submitted in the matter of the "Pollution Control Act" and in the ... establishment of policy for the control of water pollution in the lower Fraser basin. 20p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..222 LOCATION: Westwater CALL NO.: G5G G74b

REFERENCES (listing continued):

- Greater Vancouver Sewerage and Drainage District. 1983. Iona Island sewage treatment plant source control study. Quality Control Dept., GVSDD, 102pp + append.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, water quality, effluent quality, effluent quantity.
REF. NO.: ..387 LOCATION: GVRD library CALL NO.: cabinet
- Greater Vancouver Sewerage and Drainage District. 1982. Seminar on solid waste disposal May 1, 1982. Selected papers on landfill leachate and its treatment.... GVSSD, 94pp.
KEYWORDS: estuary, contaminant sources, landfill leachates.
REF. NO.: ..388 LOCATION: GVRD library CALL NO.: cabinet
- Greater Vancouver Sewerage and Drainage District. 1985. Liquid waste management plan. Unpub. Memo, Greater Vancouver Sewerage and Drainage District.
KEYWORDS: estuary, water quality, contaminant sources, sewage, stormwater discharges.
REF. NO.: ..419 LOCATION: GVRD library CALL NO.: file cab.
- Greater Vancouver Sewerage and Drainage District. 1980. A public inquiry to assess pollution control objectives for the Lower Fraser River. Greater Vancouver Sewerage and Drainage District, 141p, tables.
KEYWORDS: estuary, water quality.
REF. NO.: ..414 LOCATION: S.P.E.C CALL NO.: POW 002
- Greater Vancouver Sewerage and Drainage District. 1978. Hazardous, toxic and nuisance wastes survey. Greater Vancouver Sewerage and Drainage District, 58p+.
KEYWORDS: estuary, contaminant sources, industrial effluents, sewage, effluent quality.
REF. NO.: ..626 LOCATION: new CALL NO.: new
- Greater Vancouver Sewerage and Drainage District. 1970. Consolidation of amendments to the Rawn report on sewerage and drainage of the Greater Vancouver area, British Columbia. Greater Vancouver Sewerage and Drainage District, unpaginated.
KEYWORDS: estuary, contaminant sources, sewage.
REF. NO.: ..633 LOCATION: new CALL NO.: new
- Greer, G.L. et al. 1980. Distribution of fish species on Roberts and Sturgeon Banks recorded in seine and trawl surveys. Can. Manusc. Rep. Fish. Aquat. Sci. No. 1596, 55p.
KEYWORDS: estuary, fish, salmon, herring, distribution, abundance.
REF. NO.: ..374 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Gregory, R.S. prep. Effects of turbidity on interspecific competition for food in juvenile Pacific salmon species. Ph.D. thesis, Dep. Zoology, UBC.
KEYWORDS: estuary, physical environment, fish, turbidity, salmon, feeding.
REF. NO.: ..263 LOCATION: CALL NO.:
- Grieve, D. and K. Fletcher. 1977. Interactions between zinc and suspended sediments in the Fraser River estuary, B.C.. Estuar. Coast. Mar. Sci. 5:415-419.
KEYWORDS: estuary, water quality, physical environment, sediments, trace metals, zinc.
REF. NO.: ..194 LOCATION: Valiela CALL NO.: none
- Grieve, D.A. and W.K. Fletcher. 1975. Trace metals in Fraser delta sediments. Geol. Surv. Can., Paper 75-1, Part B, pp. 161-163.
KEYWORDS: estuary, sediments, trace metals.
REF. NO.: ..590 LOCATION: new CALL NO.: new
- Grieve, D.A. and W.K. Fletcher. 1976. Heavy metals in deltaic sediments of the Fraser River, British Columbia. Can. J. Earth Sci. 13(12):1683-1693.
KEYWORDS: estuary, sediments, particle size, trace metals.
REF. NO.: ..589 LOCATION: new CALL NO.: new
- Habitat Work Group. 1978. Habitat. Fraser River Estuary Study. Habitat Work Group, Fraser River Estuary Study, Victoria.
KEYWORDS: estuary, physical environment, sediments, fish, birds, water use.
REF. NO.: ..496 LOCATION: FRES, N. West. CALL NO.: none
- Hagen, M.E. 1984. B.C. estuarine information catalogue. Vol. 2. Lower mainland and Sunshine coast. Lands Directorate, Environment Canada.
KEYWORDS: estuary, bibliography, remote sensing.
REF. NO.: ..153 LOCATION: Dir Gen Environ CALL NO.: M. Dunn
- Hall K.J., I. Yesaki, and J. Chan. 1976. Trace metals and chlorinated hydrocarbons in the sediments of a metropolitan watershed. Westwater Research Centre, UBC, Tech. Rept. 10, 74p.
KEYWORDS: estuary, sediments, contaminant sources, diffuse sources, trace metals, chlorinated hydrocarbons.
REF. NO.:8 LOCATION: WQB library CALL NO.: 700 A980
- Hall, K.J. 1977. Pollution in the Fraser River estuary delta. Paper presented at the Fraser River conference, Douglas College, June 17-19, 1977.
KEYWORDS: estuary, water quality, contaminant sources, sediments, trace metals.
REF. NO.: ..362 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Hall, K.J.. prep. A review of toxic substances in the Fraser River estuary.
Westwater Research Centre, UBC In: Toxic chemicals research needs in
the lower Fraser River. Workshop proceedings, June 19, 1985.
KEYWORDS: estuary, water quality, sediments, biota, trace metals, trace
organics.
REF. NO.: ..191 LOCATION: WQB library CALL NO.: H. Mah
- Hall, K.J. and K. Fletcher. 1974. Trace metal pollution from a metropolitan
area: Sources and accumulation in the lower Fraser River and estuary.
Proc. of the Internat. Conf. on Transport of Persistent Chemicals in
Aquatic Ecosystems.
KEYWORDS: estuary, contaminant sources, water quality, sediments, water
use, trace metals.
REF. NO.: ..169 LOCATION: new CALL NO.: new
- Hall, K.J., F.A. Koch, and I. Yesaki. 1974. Further investigations into
water quality conditions in the Lower Fraser River system.
Westwater Research Centre, UBC, Tech. Rept. 4, 104p.
KEYWORDS: estuary, water quality, trace metals, nutrients, bacteria, oxygen.
REF. NO.:4 LOCATION: WQB libr 1302.2 CALL NO.: A224,A662
- Hall, K.J., V.K. Gujral, P. Parkinson and T. Ma. 1984. Selected organic
contaminants in sediments and fish from the Fraser River estuary.
Can. Tech. Rept. Fish. Aquat. Sci (to be published).
KEYWORDS: estuary, sediments, fish, trace organics.
REF. NO.: ..192 LOCATION: Valiela CALL NO.: none
- Halladay, D.R. and R.D. Harris. 1972. A commitment to the future, a
proposal for the protection and management of the Fraser
wetlands. Fish and Wildl. Branch, Dept. Recreation and
Conservation and Canadian Wildlife Service, Dept. Environment, 16p.
KEYWORDS: estuary, birds, water use, recreational use.
REF. NO.: ...27 LOCATION: WPMB library CALL NO.: F1-E.1
- Harris, R.D. and E.W. Taylor. 1973. Human impact on estuarine habitat.
Canadian Wildlife Service, Background paper for DOE coastal zone
seminar, Bedford Inst., Dartmouth, N.S., March 21-23, 1972, 16p.
KEYWORDS: estuary, contaminant sources, sewage, water use, recreational
use, commercial use.
REF. NO.: ...81 LOCATION: WPMB library CALL NO.: 31/D.3
- Harrison, P.G. 1982. Control of microbial growth and of amphipod grazing by
water-soluble compounds from leaves of *Zostera marina*. Marine Biology
67:225-230.
KEYWORDS: Roberts Bank, invertebrates, bacteria, plants, benthos, vascular
plants.
REF. NO.: ...73 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Harrison, P.J. et al. 1984. Bibliography of the biological oceanography of the Strait of Georgia and adjacent inlets, with emphasis on ecological aspects. Dep. Fisheries and Oceans, Can. Tech. Rep. Fish. Aquat. Sci. No. 1293, 140p.
KEYWORDS: estuary, fish, bacteria, invertebrates, plants, bibliography.
REF. NO.: ..268 LOCATION: new CALL NO.: new
- Harrison, P.J., J.D. Fulton, F.J.R. Taylor, and T.R. Parsons. 1983. Review of the biological oceanography of the Strait of Georgia: Pelagic environment. Can. J. Fish. Aquat. Sci. 40(7):1064-1094.
KEYWORDS: estuary, plants, physical environment, invertebrates, bacteria, fish.
REF. NO.: ..172 LOCATION: new CALL NO.: new
- Harvey, C., K. Melliship, and N.C. Toner. 1982. Fraser River Estuary Study, Phase II: Results of public involvement program. Environment Canada, Vancouver, 76p.
KEYWORDS: estuary.
REF. NO.: ...74 LOCATION: WPMB library CALL NO.: F5-H.3-1
- Hatfield Consultants Limited. 1985. Fraser Richmond terminal and industrial park development, Stage I Environmental management report. Rept. for Fraser River Harbour Commission.
KEYWORDS: Main Arm, water use, water quality, contaminant sources, commercial use, landfill leachates.
REF. NO.: ...42 LOCATION: WPMB impacts CALL NO.: F1-EI.14
- Hebda, R.J. 1979. Size, productivity, and paleoecological implications of ericaceous pollen from Burns Bog, southern Fraser River delta, British Columbia. Can. J. Botany 57:1712-1717.
KEYWORDS: Main Arm, plants, marsh plants, distribution.
REF. NO.: ..598 LOCATION: new CALL NO.: new
- Hebda, R.J. and W.G. Biggs. 1981. The vegetation of Burns Bog, Fraser delta, southwestern British Columbia. Sysis 14:1-20.
KEYWORDS: Main Arm, plants, vascular plants, distribution.
REF. NO.: ..415 LOCATION: new CALL NO.: new
- Higgs, T.W. 1977. A study of municipal wastewater toxicity, Mission pollution control centre, July, 1976. Environmental Protection Service, Environment Canada, Ms. Rept. 77-8, 35p.
KEYWORDS: Main Stem, contaminant sources, sewage, effluent quality, fish, bioassay.
REF. NO.: ..145 LOCATION: WQB lib 1302.2 CALL NO.: A1095

REFERENCES (listing continued):

- Higgs, T.W. 1977. A study of municipal wastewater toxicity, Annacis Island sewage treatment plant, October, 1976. Environmental Protection Service, Vancouver, Ms. Rept. 77-3, 46p.
KEYWORDS: Main Arm, contaminant sources, sewage, effluent quality, bioassay, chlorine.
REF. NO.: ..146 LOCATION: WQB lib 1302.2 CALL NO.: A977
- Higgs, T.W. 1977. A study of municipal wastewater toxicity, Iona Island sewage treatment plant, August, 1976. Environmental Protection Service Ms. Rept. 77-11, 54p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality, bioassay, chlorine.
REF. NO.: ..147 LOCATION: WQB lib 1302.2 CALL NO.: A977 A1169
- Higgs, T.W. 1977. Municipal wastewater toxicity program summary, Pacific region. Environmental Protection Service, Ms. Rept. 77-13, 47p.
KEYWORDS: estuary, contaminant sources, sewage, toxicity, fish, bioassay.
REF. NO.: ..148 LOCATION: WQB lib 1302.2 CALL NO.: A1171
- Higgs, T.W. 1977. A study of municipal wastewater toxicity, Iona Island sewage treatment plant, October 1976. EPS MS Rep. 77-3, 47p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality, bioassay, chlorine.
REF. NO.: ..443 LOCATION: WQB libr 1302.2 CALL NO.: A1641
- Higham, J. 1983. Fraser River log management review. Fraser River Harbour Commission, Fraser Port.
KEYWORDS: estuary, water use, commercial use, log storage.
REF. NO.: ..490 LOCATION: new CALL NO.: new
- Hillaby, B.A. 1981. The effects of coal dust on ventilation and oxygen consumption in the dungeness crab, Cancer magister. Can. Tech. Rep. Fish. Aquat. Sci. No. 1033, 18p.
KEYWORDS: Roberts Bank, invertebrates, epibenthos, crabs, water quality, coal dust.
REF. NO.: ..421 LOCATION: Vanc. Port CALL NO.: B. Moody
- Hillaby, F.B. and D.T. Barrett. 1976. Vegetation communities of a Fraser River salt marsh. Fisheries and Oceans Canada, Pacific region, Tech. Rept. PAC/T-76-14.
KEYWORDS: Main Arm, plants, vascular plants, marsh plants.
REF. NO.: ...17 LOCATION: WPMB library CALL NO.: F1-EA.1
- Hirst, S.M. and C.A. Easthope. 1981. Use of agricultural lands by waterfowl in southwestern British Columbia. J. Wilfl. Manage. 45(2):454-462.
KEYWORDS: estuary, birds, waterfowl, distribution, abundance, feeding.
REF. NO.: ..240 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Hobson, K.D. 1976. Notes on benthic Sedentariate polychaeta (Annelida) from British Columbia and Washington. *Syesis* 9:135-142.
KEYWORDS: Sturgeon Bank, invertebrates, benthos, annelids, distribution.
REF. NO.: ..239 LOCATION: new CALL NO.: new
- Hodgins, D.O. 1974. Salinity intrusion in the Fraser River. Ph.D. thesis, Dep. Civil Eng., UBC, 149p.
KEYWORDS: estuary, physical environment, salinity.
REF. NO.: ..209 LOCATION: Westwater CALL NO.: O2L H64s
- Hodgins, D.O., T.R. Osborn and M.C. Quick. 1977. Numerical model of stratified estuary flows. *J. Waterway, Amer. Soc. Civil Eng.* 103(WW1):25-42, Proceedings paper 12734.
KEYWORDS: Main Arm, physical environment, currents, salinity, modelling.
REF. NO.: ..586 LOCATION: new CALL NO.: new
- Hoos, L.M. and G.A. Packman. 1974. The Fraser River estuary - status of environmental knowledge to 1974. Estuary Working Group, Environment Canada, Special Estuary Series No. 1, 518p.
KEYWORDS: estuary, contaminant sources, water quality, physical environment, fish, birds.
REF. NO.: ...72 LOCATION: WPMB library CALL NO.: F5-E.1
- Hoos, R.A.W. 1977. Environmental assessment of an ocean dumpsite in the Strait of Georgia, British Columbia. EPS, Pacific Region, EPS 5-PR-77-2, 31p.
KEYWORDS: Sturgeon Bank, physical environment, sediments, invertebrates, benthos, particle size.
REF. NO.: ..543 LOCATION: Public Works CALL NO.: 8-88
- Hourston, A.S., E.H. Vernon, and G.A. Holland. 1965. The migration, composition, exploitation and abundance of odd-year pink salmon runs in and adjacent to the Fraser River convention area. *Int. Pac. Salmon Fish. Comm. Bull.* 17, 151p.
KEYWORDS: estuary, fish, salmon, distribution.
REF. NO.: ..198 LOCATION: new CALL NO.: new
- Howard Paish & Assoc. 1985. Review of lower Fraser system salmon escapements, habitat condition, and exploitation rates. Prep. for Salmon Habitat Research Section, Fish. Res. Branch, DFO.
KEYWORDS: estuary, fish, salmon, distribution, abundance, migration.
REF. NO.: ..275 LOCATION: HP & Assoc CALL NO.: C Levings
- Howard Paish & Assoc. 1973. A resource management and social perspective on the Coquitlam River. Prep. for Dist. Coquitlam & City of Coquitlam.
KEYWORDS: Main Arm, physical environment, water quality, sediment load.
REF. NO.: ..279 LOCATION: HP & Assoc CALL NO.: H. Paish

REFERENCES (listing continued):

- Howard Paish & Assoc. 1972. The environmental and natural resource implications of a power line right of way in the District of Coquitlam. Prep. for B.C. Hydro.
KEYWORDS: Main Arm, physical environment, water quality, sediment load.
REF. NO.: ..315 LOCATION: HP & Assoc. CALL NO.: H. Paish
- Howard Paish & Assoc. 1972. B.C. Hydro gas pipeline - Vancouver mainland Vancouver Island Southern Section. Prep. for B.C. Hydro.
KEYWORDS: Main Arm, physical environment, water quality, sediment load.
REF. NO.: ..321 LOCATION: HP & Assoc CALL NO.: H. Paish
- Howard Paish & Assoc. 1972. Living with the land. Prep. for City of Coquitlam.
KEYWORDS: Main Arm, physical environment, water quality, sediment load.
REF. NO.: ..329 LOCATION: HP & Assoc CALL NO.: H. Paish
- Howard Paish & Associates. 1975. The Steveston Island harbour proposal: a preliminary environmental assessment. Rept. for Small Crafts Harbours Branch, Canada Dept. Environment, 78p.
KEYWORDS: Main Arm, physical environment, water use, recreational use, boating.
REF. NO.: ...33 LOCATION: WPMB impact CALL NO.: F1-EI.1
- Howard Paish & Associates Ltd. 1973. An assessment of the environmental impact on fish, wildlife, and outdoor recreation of the proposed System E development. Rept. for B.C. Dep. Recreation and Conservation, 31p.
KEYWORDS: estuary, fish, birds, water use, recreational use.
REF. NO.: ...23 LOCATION: WPMB library CALL NO.: F-A.3-23
- Howard Paish & Associates Ltd. 1975. Some ecological considerations for B.C. Hydro routing of cables or pipeline across Roberts Bank. B.C. Hydro, 16p.
KEYWORDS: Roberts Bank, water use, commercial use, pipelines.
REF. NO.: ..612 LOCATION: B.C. Hydro CALL NO.: H. Smith
- Hughes, G.C. and A.B. Ages. 1975. Salinity and temperature measurements in the lower Fraser River, 1966-1968, 1970-1973. Pacific Marine Science Report 75-2, Institute of Ocean Sciences, Patricia Bay, Victoria, B.C., 295p.
KEYWORDS: estuary, physical environment, salinity, temperature.
REF. NO.: ..621 LOCATION: new CALL NO.: new
- Hurley, D.A. and W.L. Woodall. 1968. Responses of young pink salmon to vertical temperature and salinity gradients. Internat. Pacific Salmon Fish. Comm. Progr. Rept. No. 19, 80p.
KEYWORDS: estuary, fish, salmon, physical environment, salinity, temperature.
REF. NO.: ...71 LOCATION: WPMB library CALL NO.: 9.4

REFERENCES (listing continued):

- Inland Waters Directorate. 1974. Water quality data. British Columbia 1961-71. Water Quality Branch, I.W.D., Ottawa, unpaginated.
KEYWORDS: estuary, water quality, major ions, nutrients, trace metals.
REF. NO.: ..151 LOCATION: WQB lib 1302.2 CALL NO.: A823
- International Pac. Salmon Fish. Comm. none. Potential effects of the Kemano completion project on Fraser River sockeye and pink salmon. 5p.
KEYWORDS: estuary, fish, salmon, migration, abundance.
REF. NO.: ..467 LOCATION: new CALL NO.: new
- Iona Island Sewage Treatment Plant Study Group. 1982. Report of the Iona Island Sewage Treatment Plant Study Group. Iona Island Sewage Treatment Plant Study Group.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality.
REF. NO.: ..641 LOCATION: new CALL NO.: new
- Jacob, C. and K.J. Hall. 1985. Use of the bioconcentration capability of Hirudinea (leeches) to evaluate chlorophenol contamination of water. In: New directions and research in waste treatment and residual mgmt.:773-788, Int'l Conf., UBC.
KEYWORDS: estuary, water quality, trace organics, chlorophenols, invertebrates, bioaccumulation.
REF. NO.: ..175 LOCATION: WQB library CALL NO.: none
- Jasper, S.E. (ed.). 1985. New directions and research in waste treatment and residuals management. Proceedings, Vols. 1 & 2, Dep. Civil Eng., U.B.C. (June 23-28, 1985).
KEYWORDS: estuary, contaminant sources, water quality, landfill leachates, sewage, nutrients.
REF. NO.: ..630 LOCATION: Civil Eng. UBC CALL NO.: none
- Johnston, N.T. 1981. The feeding ecology of Neomysis mercedis Holmes in the Fraser River estuary. M.Sc. thesis, Dept. Zoology, UBC.
KEYWORDS: Main Arm, invertebrates, epibenthos, mysids, feeding.
REF. NO.: ..365 LOCATION: new CALL NO.: new
- Johnston, N.T. and D.C. Lasenby. 1982. Diet and feeding of Neomysis mercedis Holmes (Crustacea, Mysidacea) from the Fraser River estuary, B.C.. Can. J. Zoology 60(5):813-824.
KEYWORDS: Main Arm, invertebrates, epibenthos, mysids, feeding.
REF. NO.: ..366 LOCATION: new CALL NO.: new
- Johnston, N.T., et al. 1975. Chlorinated hydrocarbon residues in fishes from the Lower Fraser River. Westwater Research Centre, UBC, Tech. Rept. 9, 31p.
KEYWORDS: estuary, fish, salmon, bioaccumulation, trace organics, PCB's.
REF. NO.: ...11 LOCATION: WPMB library CALL NO.: F1-H.7

REFERENCES (listing continued):

- Jones, R.J. curr. Data base. Water quality monitoring of Iona Jetty, Roberts Bank, and Boundary Bay. Unpublished database (ongoing), Greater Vancouver Regional District, Vancouver.
KEYWORDS: estuary, water quality, physical environment, oxygen, contaminant sources, sewage.
REF. NO.: ..399 LOCATION: R.Jones, GVRD CALL NO.: none
- Jones, R.J. curr. Bimonthly water quality monitoring of the Main Arm, Fraser River. Unpublished database (ongoing), Greater Vancouver Regional District, Vancouver.
KEYWORDS: Main Arm, water quality, trace metals, fecal coliforms, oxygen, chlorine.
REF. NO.: ..397 LOCATION: R.Jones, GVRD CALL NO.: none
- Jones, R.J. curr. Biweekly summer water quality monitoring of the North Arm, Fraser River. Unpublished database (ongoing), Greater Vancouver Regional District, Vancouver.
KEYWORDS: North Arm, water quality, fecal coliforms, oxygen, salinity.
REF. NO.: ..398 LOCATION: R.Jones, GVRD CALL NO.: none
- Jones, R.J. and G.T. Marsh. 1985. Monitoring report on the discharge of untreated sewage at the marshend pump station outfall June 11, 1985. Unpublished report, Greater Vancouver Sewerage and Drainage District, 10pp + append.
KEYWORDS: North Arm, contaminant sources, sewage, fish, bioassay, water use.
REF. NO.: ..396 LOCATION: R.Jones, GVRD CALL NO.: none
- Jones, R.T. and G.T. Marsh. 1985. Monitoring report on discharge of untreated sewage into North Arm of the Fraser River ... February 12 and 13, 1985. Unpublished report, Greater Vancouver Sewerage and Drainage District, 189 pp.
KEYWORDS: North Arm, contaminant sources, sewage, fish, bioassay.
REF. NO.: ..395 LOCATION: R. Jones, GVRD CALL NO.: none
- Joy, C.S. 1975. Water quality models of the Lower Fraser River. Westwater Research Centre, Tech. Rept. 6, 52p.
KEYWORDS: estuary, physical environment, water quality, discharge, tides, modelling.
REF. NO.: ...47 LOCATION: WPMB library CALL NO.: F1-H.9
- Joy, C.S. 1974. Water quality modelling in estuaries. Ph.D. thesis, Sch. of Comm. and Reg. Plann., UBC, 205p.
KEYWORDS: estuary, water quality, modelling.
REF. NO.: ..210 LOCATION: Westwater CALL NO.: O2L J68w
- Kaiser, G.W., K. Fry, and J.G. Ireland. 1979. Ingestion of lead shot by dunlin (*Calidris alpina*). Unpublished report, 9050 dunlin 9104-1, Canadian Wildlife Service, Delta, 2pp.
KEYWORDS: estuary, birds, shorebirds, feeding, lead.
REF. NO.: ..417 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Kautz, M. 1973. Waterfowl use of the lower Fraser River: A report to the Westwater Research Centre. Westwater Research Centre, UBC, 25p.
KEYWORDS: estuary, birds, waterfowl.
REF. NO.: ..199 LOCATION: Westwater CALL NO.: O6G K38
- Kay, B. prep. West coast marine environmental quality. Bibliography. Vol. I. References. EPS, Reg. Prog. Rept. 86-2.
KEYWORDS: estuary, physical environment, contaminant sources, water quality, bibliography.
REF. NO.: ..176 LOCATION: EPS, W. Van CALL NO.: B. Kay
- Kay, B.H. 1976. Shellfish growing water sanitary survey of Boundary Bay, Mud Bay, and Crescent Beach, British Columbia, 1976. EPS, Environment Canada, EPS 5-PR-76-11, 78p.
KEYWORDS: Boundary Bay, invertebrates, bacteria, benthos, shellfish, fecal coliforms.
REF. NO.: ..255 LOCATION: new CALL NO.: new
- Kellerhals, P. and J.W. Murray. 1969. Tidal flats at Boundary Bay, Fraser River delta, British Columbia. Bull. Can. Petrol. Geol. 17(1):67-91.
KEYWORDS: Boundary Bay, sediments, sedimentation.
REF. NO.: ..431 LOCATION: new CALL NO.: new
- Kellerhals, R. 1984. Review of sediment survey program Lower Fraser River British Columbia. Kellerhals Eng. Serv. Ltd., for Sed. Surv. Sec., IWD-HQ-WRB-SS-84-3.
KEYWORDS: estuary, sediments, sedimentation, water use, commercial use, dredging.
REF. NO.: ..340 LOCATION: Tassone, WSC CALL NO.: none
- Kenyon, P.M. and D.L. Turcotte. 1985. Morphology of a delta prograding by bulk sediment transport. Bull. Geological Soc. Amer. 96:1457-1465.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..337 LOCATION: Tassone, WSC CALL NO.: none
- Kistriz, R.U. 1978. An ecological evaluation of Fraser estuary tidal marshes: the role of detritus and the cycling of elements. Westwater Research Centre, UBC, Tech. Rept. 15, 59p.
KEYWORDS: estuary, plants, algae, vascular plants, nutrients.
REF. NO.: ...96 LOCATION: WQB library CALL NO.: 606 A1201
- Kistriz, R.U.. prep. Environmental studies of salmon habitat enhancement project at Tilbury Slough, Fraser River estuary. Kistriz Consultants Ltd. for DSS/DFO.
KEYWORDS: water quality, juvenile salmon, invertebrates, Main Arm, carbon, physical environment.
REF. NO.: ..646 LOCATION: Kistriz CALL NO.: in prog

REFERENCES (listing continued):

- Kistritz, R.U. and B.J. Harrison. 1983. EIA of construction of a natural gas pipeline across Roberts Bank. Vol.3. Aquatic ecosystem of Roberts Bank, and potential impacts of pipeline construction. Rep. for B.C. Hydro, 189p.
KEYWORDS: Roberts Bank, sediments, water quality, plants, invertebrates, benthos.
REF. NO.: ..556 LOCATION: R. Kistritz CALL NO.: none
- Kistritz, R.U. and I.Yesaki. 1979. Primary production, detritus flux, and nutrient cycling in a sedge marsh, Fraser River estuary. Westwater Research Centre, UBC, Tech. Rept. 17, 53p.
KEYWORDS: Main Arm, plants, algae, vascular plants, tissue analysis, nutrients.
REF. NO.: ...97 LOCATION: WQB library CALL NO.: 808 A1372
- Kistritz, R.U. Consultants Ltd.. 1985. Annacis Bridge Project. Final report on environmental studies of water quality and aquatic habitats.. Report prep. for Ministry of Transportation and Highways.
KEYWORDS: Main Arm, water quality, marsh, Annacis Island, plants, sediments.
REF. NO.: ..648 LOCATION: Kistritz CALL NO.:
- Kistritz, R.U., K.J. Hall and I. Yesaki. 1983. Productivity, detritus flux, and nutrient cycling in a Carex lyngbyei tidal marsh.. Estuaries. 6(3):227-236.
KEYWORDS: Main Arm, marsh, nutrients, plants, primary production, Woodward Island.
REF. NO.: ..647 LOCATION: Valiela CALL NO.:
- Koch, F.A. 1976. Lower Fraser River/estuary dissolved oxygen dynamics. M.Sc. thesis, Dep. Civil Eng., UBC, 152p..
KEYWORDS: estuary, physical environment, water quality, tides, oxygen, modelling.
REF. NO.: ..156 LOCATION: new CALL NO.: new
- Koch, F.A. and K.J. Hall. 1981. Survey of wastewater quality in the sewerage systems of the University of British Columbia. Westwater Research Centre, UBC, Tech. Rept. No. 24, 73p.
KEYWORDS: North Arm, water quality, trace metals, trace organics, oxygen.
REF. NO.: ..187 LOCATION: WQB library CALL NO.: none
- Koch, F.A. and W.K. Oldham. 1976. Lower Fraser River/estuary dissolved oxygen dynamics. Water Quality Tech. Rep. No. 2, 152p, Dep. Civil Eng., U.B.C.
KEYWORDS: estuary, physical environment, water quality, oxygen, modelling, tides.
REF. NO.: ..377 LOCATION: L. Swain CALL NO.: none

REFERENCES (listing continued):

- Koch, F.A., K.J. Hall, and I. Yesaki. 1977. Toxic substances in the wastewaters from a metropolitan area. Westwater Research Centre, UBC, Tech. Rept. 12, 107p.
KEYWORDS: estuary, water quality, sewage, trace metals.
REF. NO.: ..14 LOCATION: WQB library CALL NO.: none
- Kolankiewicz, L.J. 1981. Implementation of British Columbia's Pollution Control Act, 1967 in the lower Fraser River - Vancouver. U.B.C, 208p, includes bibliography, author's M.Sc. thesis.
KEYWORDS: estuary, water quality.
REF. NO.: ..409 LOCATION: S.P.E.C CALL NO.: FRA 038
- Kostaschuk, R.A. and J.L. Luternauer. prep. Sedimentary processes in the outer main channel of the Fraser River estuary. Unpublished.
KEYWORDS: Main Arm, sediments.
REF. NO.: ..528 LOCATION: Kostaschuk CALL NO.: none
- Kostaschuk, R.A. and J.L. Luternauer. prep. River discharge and tidal controls on suspended sediment transport in the Fraser estuary. Unpublished.
KEYWORDS: estuary, physical environment, discharge, tides, sediments, sediment load.
REF. NO.: ..529 LOCATION: Kostaschuk CALL NO.: none
- Kostaschuk, R.A. and J.L. Luternauer. prep. A large submarine landslide at Sand Heads, Fraser River estuary, 1985. Unpublished.
KEYWORDS: Main Arm, sediments, bathymetry.
REF. NO.: ..531 LOCATION: Kostaschuk CALL NO.: none
- Kostaschuk, R.A. and M.A. Church. none. Patterns and mechanisms of sedimentation in the outer main stem Fraser River delta. Unpublished research proposal, Water Survey of Canada files, Vancouver.
KEYWORDS: estuary, sediments, sedimentation, distribution.
REF. NO.: ..339 LOCATION: Tassone, WSC CALL NO.: none
- Kostaschuk, R.A., J.L. Luternauer and T.H. Millard. 1986. Sediment transport during the 1985 freshet in the outer main channel of the Fraser River estuary, British Columbia. Current Research, Part A, Geological Survey of Canada, Paper86-1A:565-570.
KEYWORDS: Main Arm, physical environment, sediments, sediment load, discharge, tides.
REF. NO.: ..454 LOCATION: new CALL NO.: new
- Kragh, W.D. 1983. Fall migrant and resident birds of the Alaksen National Wildlife Area, British Columbia. Unpublished report, Canadian Wildlife Service, Delta, 44pp.
KEYWORDS: Main Arm, birds, waterfowl, abundance.
REF. NO.: ..428 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Krahn, P.K., K.W. Hui, and J.R. Walker. 1980. Fraser River Estuary Study: water quality. Site registry of storm water outfalls. Parts 1 and 2. Fraser River Estuary Study, Ministry of Environment, Victoria, 205p.
KEYWORDS: estuary, contaminant sources, stormwater discharges, industrial effluents, pH.
REF. NO.: ..136 LOCATION: WQB library CALL NO.: 1302.2 1&2
- Kruzynski, G.M. 1984. Studies on chinook (*Oncorhynchus tshawytscha*) salmon and municipal wastewater from the Iona Island treatment plant. Proceedings of the workshop on municipal marine discharge, EPS, Environment Canada, Vancouver, 1p.
KEYWORDS: Sturgeon Bank, fish, salmon, sublethal effects, bioassay, fish pathogens.
REF. NO.: ..127 LOCATION: WQB library CALL NO.: 1302.2 EPS
- Lands Directorate, Fisheries and Environment Canada. 1977. Fraser River delta and estuary region: outdoor recreation. Lands Directorate, Fisheries and Environment Canada.
KEYWORDS: estuary, water use, recreational use, maps.
REF. NO.: ..491 LOCATION: new CALL NO.: new
- Larry Wolfe Associates. 1982. A review of issues and concerns for environmental assessment of the amended Fraser River shipping channel proposal. Advisory report to the Fraser River Shipping Channel Environmental Assessment Panel, 88p.
KEYWORDS: Main Arm, water use, commercial use, shipping, recreational use, fish.
REF. NO.: ...65 LOCATION: WPMB impact CALL NO.: F4-EI.6
- Lawson, E.M., G.B. Mitchell and D.G. Walton. 1985. Stormwater monitoring in an industrial catchment basin located in Burnaby, British Columbia. Waste Management, Lower Mainland Region, Ministry of Environment, 90pp.
KEYWORDS: North Arm, contaminant sources, stormwater discharges, effluent quality, trace metals, trace organics.
REF. NO.: ..627 LOCATION: new CALL NO.: new
- Lea (N.D.) and Associates. 1967. Traffic study of Sea Island access and North Arm of Fraser River crossings. Unpublished report for Transport Canada and B.C. Dept. of Highways, 131pp.
KEYWORDS: estuary, water use, commercial use, shipping, recreational use, boating.
REF. NO.: ..393 LOCATION: GVRD library CALL NO.: K906 V3L3
- Leach, B.A. 1975. Waterfowl habitat management and use in the Lower Fraser valley. Institute of Environmental Studies, Douglas College, 31pp.
KEYWORDS: estuary, birds, waterfowl, distribution.
REF. NO.: ..379 LOCATION: GVRD library CALL NO.: K165 L37

REFERENCES (listing continued):

- Leach, B.A. 1979. A bibliography of works on the natural history of waterfowl on the lower Fraser River. Information Booklet No. 32, Institute of Environmental Studies, Douglas College.
KEYWORDS: estuary, birds, waterfowl.
REF. NO.: ..526 LOCATION: new CALL NO.: new
- Leach, B.A. 1982. Waterfowl on a Pacific estuary: a natural history of man and waterfowl on the lower Fraser River. B.C. Provincial Museum Special Publication No. 5, 211p, ill., map.
KEYWORDS: estuary, birds, waterfowl, distribution, abundance.
REF. NO.: ..650 LOCATION: Main QL696 CALL NO.: A52 L43
- Leach, B.A. (ed.). 1977. The need for conservation and management of the wetlands of the Fraser estuary and delta (A collection of papers). Information Booklet No. 28, Institute of Environmental Studies, Douglas College.
KEYWORDS: estuary, plants, marsh plants.
REF. NO.: ..527 LOCATION: new CALL NO.: new
- Leroux, J. and J.L. Luternauer. 1979. Comprehensive compilation of air photo indices for the Fraser delta foreshore Point Grey to Tsawwassen, 1922-1978. Geological Survey of Canada, Open file 625.
KEYWORDS: estuary, physical environment, sediments, remote sensing, bibliography.
REF. NO.: ..326 LOCATION: GS Canada CALL NO.: Luternauer
- Levings, C.D. 1973. Sediments and abundance of *Lycodopsis pacifica* (Pisces, Zoarcidae) near Point Grey, B.C., with catch data for associated demersal fish. Fisheries Res. Bd. Canada Tech. Rept. No. 393, 15p.
KEYWORDS: Sturgeon Bank, sediments, invertebrates, benthos, fish.
REF. NO.: ...69 LOCATION: WPMB library CALL NO.: 9.24
- Levings, C.D. 1985. Juvenile salmonid use of habitats altered by a coal port in the Fraser River estuary, British Columbia. Mar. Pollut. Bull. 16(6):248-254.
KEYWORDS: Roberts Bank, fish, salmon, herring, distribution, feeding.
REF. NO.: ..264 LOCATION: new CALL NO.: new
- Levings, C.D. 1980. Vertical distribution and abundance of epibenthos and macrozooplankton in the lower Fraser River estuary. Dep. Fisheries and Oceans, Can. Data Rep. Fish. Aquat. Sci. No. 241, 63p.
KEYWORDS: estuary, invertebrates, physical environment, fish, epibenthos, distribution.
REF. NO.: ..265 LOCATION: new CALL NO.: new
- Levings, C.D. 1975. Food webs and industrial disruption on the Fraser River tidal flats, British Columbia. Unpublished report.
KEYWORDS: estuary, contaminant sources, industrial effluents, sediments, fish, invertebrates.
REF. NO.: ..408 LOCATION: Luternauer, GSC CALL NO.: none

REFERENCES (listing continued):

- Levings, C.D. 1982. Short term use of a low tide refuge in a sandflat by juvenile chinook, (*Oncorhynchus tshawytscha*), Fraser River estuary. Can. Tech. Rep. Fish. Aquat. Sci. No 1111, 33p.
KEYWORDS: Sturgeon Bank, fish, salmon, feeding, invertebrates, abundance.
REF. NO.: ..372 LOCATION: new CALL NO.: new
- Levings, C.D. 1980. Consequences of training walls and jetties for aquatic habitats at two British Columbia estuaries. In: Coastal Eng. 4(2):111-136, Elsevier Pub. Co., Amsterdam, NL.
KEYWORDS: estuary, invertebrates, water use, physical environment, sediments, training walls.
REF. NO.: ..371 LOCATION: new CALL NO.: new
- Levings, C.D. 1980. Account of a workshop on restoration of estuarine habitats. Can. Manusc. Rep. Fish. Aquat. Sci. No. 1571, 29p.
KEYWORDS: estuary, fish, birds, plants, invertebrates, water use.
REF. NO.: ..373 LOCATION: new CALL NO.: new
- Levings, C.D. and B.D. Chang. 1977. A preliminary study of the influence of current velocities on estuarine benthos, especially *Anisogammarus confervicolus*, in the Fraser River estuary. Fish. Res. Bd. Can. Ms. Rept. 1424, 50p..
KEYWORDS: Main Arm, invertebrates, physical environment, benthos, drift, abundance.
REF. NO.: ..267 LOCATION: WQB library CALL NO.: 0603 A1623
- Levings, C.D. and J.-B. Coustalin. 1975. Zonation of intertidal biomass and related benthic data from Sturgeon and Roberts Banks, Fraser River estuary, British Columbia. Fisheries and Marine Service Tech. Rept. 468, 138p + figures.
KEYWORDS: estuary, invertebrates, benthos, distribution, abundance.
REF. NO.: ...67 LOCATION: WPMB library CALL NO.: 9.41
- Levings, C.D., and F. Rafi. 1978. *Tanais stanfordi* Richardson 1901 (Crustacea, Tanaidacea) from the Fraser River estuary, British Columbia. Syesis 11:51-53.
KEYWORDS: estuary, invertebrates, sediments, benthos, particle size, distribution.
REF. NO.: ..262 LOCATION: new CALL NO.: new
- Levings, C.D., G.L. Greer, and P. Miller. 1983. Results of preliminary mark-recapture experiments with juvenile salmonids on Sturgeon and Roberts Bank, Fraser River estuary. Dep. Fisheries and Oceans, Can. Manu. Rep. Fish. Aquat. Sci. No. 1684, 30p.
KEYWORDS: estuary, fish, salmon, distribution.
REF. NO.: ..260 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Levings, C.D., R. Armour and N.G. McDaniel. 1978. A trench through mudflat communities of macroinvertebrates on Roberts Bank, Fraser River delta, B.C. Manusc. Rep. Fish. Mar. Serv. (Can.) No. 151, 55p.
KEYWORDS: Roberts Bank, invertebrates, water use, commercial use, dredging, abundance:
REF. NO.: ..369 LOCATION: new CALL NO.: new
- Levy, D.A. 1980. Salmon and the Fraser estuary. In: R. Lorimer and S.E. McMullin (eds.) Canada and the Sea. I. Resources of the Marine Environment, Canadian Iss. 3(1):43-47.
KEYWORDS: estuary, fish, salmon, distribution.
REF. NO.: ..168 LOCATION: new CALL NO.: new
- Levy, D.A. and T.G. Northcote. 1979. The distribution and abundance of juvenile salmon in marsh habitats of the Fraser River estuary. Westwater Research Centre, UBC, Tech. Rept. No. 25, 117p..
KEYWORDS: estuary, fish, salmon, distribution, feeding.
REF. NO.: ..184 LOCATION: WQB library CALL NO.: none
- Levy, D.A. and T.G. Northcote. 1982. Juvenile salmon residency in a marsh area of the Fraser River estuary. Can. J. Fish. Aquat. Sci. 39(2):270-276.
KEYWORDS: Main Arm, fish, salmon, distribution.
REF. NO.: ..167 LOCATION: new CALL NO.: new
- Levy, D.A., T.G. Northcote, and G.J. Birch. 1979. Juvenile salmon utilization of tidal channels in the Fraser River estuary, British Columbia. Westwater Research Centre, UBC, Tech. Rept. No. 23, 70p.
KEYWORDS: estuary, fish, salmon, distribution, feeding.
REF. NO.: ..188 LOCATION: WQB library CALL NO.: none
- Levy, D.A., T.G. Northcote, and R.M. Barr. 1982. Effects of estuarine log storage on juvenile salmon. Westwater Research Centre, UBC, Tech. Rept. 26.
KEYWORDS: North Arm, fish, salmon, distribution, water use, log storage.
REF. NO.: ...19 LOCATION: WPMB library CALL NO.: F1-EF.2
- Liedtke, J. prep. Airborne definition of suspended surface sediment in the Fraser River plume. MSc. thesis, Dep. Geog., S.F.U.
KEYWORDS: estuary, sediments, physical environment, water quality, sediment load, turbidity.
REF. NO.: ..609 LOCATION: A. Roberts, SFU CALL NO.: A. Roberts
- Liedtke, J. and A. Roberts. prep. Discrimination of suspended sediment and littoral features using multispectral video imagery. Accepted for presentation at 10th Annual Symposium on Remote Sensing.
KEYWORDS: estuary, sediments, plants, physical environment, turbidity, remote sensing.
REF. NO.: ..600 LOCATION: Dep. Geog. SFU CALL NO.: M. Church

REFERENCES (listing continued):

- Luternauer, J.L. 1980. Genesis of morphologic features on the western delta front of the Fraser River, British Columbia - Status of knowledge. In: The Coastline of Canada, S.B. McCann (editor), Geological Survey of Canada, Paper 80-10:381-396.
KEYWORDS: estuary, sediments, distribution.
REF. NO.: ..455 LOCATION: new CALL NO.: new
- Luternauer, J.L. and J.W. Murray. 1973. Sedimentation on the western delta-front of the Fraser River, British Columbia. Can. J. Earth Sci. 10:1642-1463.
KEYWORDS: estuary, sediments, sedimentation, erosion, particle size, bathymetry.
REF. NO.: ..456 LOCATION: new CALL NO.: new
- Luternauer, J.L., J.J. Clague, and C.H. Pharo. 1983. Substrates of the Strait of Georgia, British Columbia. Can. J. Fish. Aquat. Sci. 40(7):1026-1032.
KEYWORDS: estuary, sediments, particle size.
REF. NO.: ..452 LOCATION: new CALL NO.: new
- Luternauer, J.L. and W.D. Liam Finn. 1983. Stability of the Fraser River delta front. Canadian Geotechnical Journal 20(4):603-616.
KEYWORDS: estuary, physical environment, sediments, stability.
REF. NO.: ..453 LOCATION: new CALL NO.: new
- Luttmerding, H.A. 1980. Soils of the Langley-Vancouver map area, vol. 1, soil map mosaic and legend, Lower Fraser valley. B.C. Ministry of the Environment, B.C. Soil Survey, Rept. No. 15, 6 volumes.
KEYWORDS: estuary, sediments.
REF. NO.: ...52 LOCATION: WPMB library CALL NO.: F1-SS.3
- MacDonald, A. 1983. Utilization of nearshore habitats by juvenile salmon and herring, southern Roberts Bank, B.C.. Port of Vancouver, Nat. Harbours Board, 20p.
KEYWORDS: Roberts Bank, fish, salmon, distribution, abundance.
REF. NO.: ..450 LOCATION: Vanc. Port CALL NO.: B. Moody
- Mackenzie, C.J.G. 1980. Water quality management in British Columbia. Canadian Water Resources Journal 5(3):69-77.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..585 LOCATION: new CALL NO.: new
- MacLaren Plansearch. 1984. Discussion paper: ALRT Fraser River crossing. Rep. for B.C. Transit for workshop held 10 July, 1984, 110p.
KEYWORDS: Main Arm, physical environment, fish, birds, water use, salmon.
REF. NO.: ...40 LOCATION: WPMB impact CALL NO.: F1-EI.13

REFERENCES (listing continued):

- MacLaren Plansearch. 1984. ALRT Fraser River crossing environmental report. Rapid Transit Project, B.C. Transit.
KEYWORDS: Main Arm, physical environment, fish, birds, water use, salmon.
REF. NO.: ...41 LOCATION: WPMB impact CALL NO.: F1-EI.13-1
- Maguire, R.J. et al. 1985. Occurrence of organotin compound in water and sediment in Canada. Canada Centre for Inland Waters, Contribution No. 85-78.
KEYWORDS: estuary, water quality, sediments, trace organics.
REF. NO.: ..481 LOCATION: EPS West Van CALL NO.: Shrimpton
- Malik, J.G., I.K. Birtwell and M.B. Flynn. 1985. A survey of dissolved oxygen and other water quality characteristics of the lower Fraser River 1975-1981. Can. Manu. Rep. Fish. Aquat. Sci. No. 1824, 189p.
KEYWORDS: estuary, physical environment, water quality, temperature, salinity, oxygen.
REF. NO.: ..314 LOCATION: new CALL NO.: new
- Mannerstrom, M. and D.G. McLean. 1985. Estimating bedload transport in the lower Fraser River. Can. Society for Civil Engineering, 7th Can. Hydrotechnical Conf., Proceedings 1B:97-116.
KEYWORDS: estuary, physical environment, sediments, sediment load.
REF. NO.: ..464 LOCATION: M. Church CALL NO.: Geog. UBC
- Martens, D.W. and J.A. Servizi. 1974. Acute toxicity of municipal sewage to fingerling sockeye salmon. Internat. Pacific Salmon Fish. Comm. Prog. Rept. 29, 18p.
KEYWORDS: estuary, water quality, fish, sewage, salmon, bioassay.
REF. NO.: ..121 LOCATION: WQB library CALL NO.: 1302.2
- Martens, D.W., R.W. Gordon, and J.A. Servizi. 1980. Toxicity of butoxyethyl ester of 2,4-D to selected salmon and trout. Int. Pac. Salmon Fish. Comm. Prog. Rep. No. 40, 18p.
KEYWORDS: Main Arm, water quality, trace organics, toxicity, fish, bioassay.
REF. NO.: ..465 LOCATION: new CALL NO.: new
- Mathews, W.H. and F.P. Shepard. 1962. Sedimentation of Fraser River delta, British Columbia. Bull. Amer. Assoc. Petroleum Geologists 46: 1416-1443.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ...87 LOCATION: WPMB library CALL NO.: 18.5
- Matson, R.G. 1980. Prehistoric subsistence patterns in the Fraser delta the evidence from the Glenrose cannery site. B.C. Studies 48:64-85.
KEYWORDS: Main Arm, water use, fish, birds, invertebrates, distribution.
REF. NO.: ..368 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- McAlpine, H.F. and P.W. Soper. 1976. Richmond landfill assessment study. Interim report. Fed. Activ. Poll. Abatement Group, EPS, Pac. Region, 134p.
KEYWORDS: Main Arm, contaminant sources, water quality, landfill leachates, effluent quality, fecal coliforms.
REF. NO.: ..536 LOCATION: Public Works CALL NO.: 8-25
- McDonald, R., J. Luternauer and F. Noon. prep. Morphologic changes along the corridor for the proposed Iona Island sewage pipeline. Open file GSC, figures and maps. .
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, physical environment, sediments.
REF. NO.: ..602 LOCATION: Luternauer CALL NO.: none
- McDougall, R.D. 1982. Fraser River Estuary Study: referrals systems presently used in the Fraser River estuary study core area. Information Systems Sub-committee, Ministry of Environment, Victoria, 87p.
KEYWORDS: estuary, water use, management.
REF. NO.: ..285 LOCATION: new CALL NO.: new
- McEwan, E.H. and D.K. Gordon. none. Benthic invertebrates of Boundary Bay and Roberts Bank, British Columbia. Canadian Wildlife Service, Delta, 18pp.
KEYWORDS: Roberts Bank, Boundary Bay, invertebrates, benthos, distribution, abundance.
REF. NO.: ..424 LOCATION: new CALL NO.: new
- McEwan, E.H. and K. Fry. none. Food habits of wintering dunlin (*Calidris alpina*). Canadian Wildlife Service, Delta, 10pp.
KEYWORDS: Boundary Bay, birds, shorebirds, feeding.
REF. NO.: ..426 LOCATION: new CALL NO.: new
- McGreer, E.R. 1982. Factors affecting the distribution of the bivalve, *Macoma balthica* (L.) on a mudflat receiving sewage effluent, Fraser River estuary, British Columbia. Marine Environmental Research 7:131-149.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, invertebrates, shellfish, distribution.
REF. NO.: ..599 LOCATION: new CALL NO.: new
- McKelvey, R.W. et al. 1985. The interaction of birds and air traffic at the Boundary Bay airport. Unpublished report, Canadian Wildlife Service, Delta.
KEYWORDS: Boundary Bay, birds, raptors, distribution, abundance.
REF. NO.: ..353 LOCATION: Butler, CWS CALL NO.: none

REFERENCES (listing continued):

- McLaren, K.A. 1972. A vegetation study of the islands and associated marshes in the South Arm of the Fraser R. from Deas Island Tunnel to Westham Island foreshore. Unpub. rept., B.C. Fish. Wildl. Branch, Dept. Recreation & Conservation, Victoria, 54p.
KEYWORDS: Main Arm; plants, vascular plants, distribution.
REF. NO.: ..354 LOCATION: Butler, CWS CALL NO.: none
- McLean, D.G. and M. Church. 1986. A re-examination of sediment transport data in lower Fraser River. Fraser River Project. Progress Rpt. 4.
KEYWORDS: estuary, physical environment, sediments, sediment load.
REF. NO.: ..466 LOCATION: M. Church CALL NO.: Geog. UBC
- McLeay, D.J. 1975. Environmental monitoring program for dredging operation at Point Grey - Fisherman's basin. Prepared by Water Quality Group for Dep. Publ. Works, 8p+.
KEYWORDS: Sturgeon Bank, fish, bioassay, water use, commercial use, dredging.
REF. NO.: ..537 LOCATION: Public Works CALL NO.: 8-21
- Medley, E. and J.L. Luternauer. 1976. Use of aerial photographs to map sediment distribution and identify historical changes on a tidal flat. Geol. Survey of Canada, Paper 76-1C, p.293-304.
KEYWORDS: estuary, sediments, distribution.
REF. NO.: ..438 LOCATION: new CALL NO.: new
- Mesa, K.A. 1985. Influence of temperature, salinity, and dissolved oxygen on juvenile salmon. M.Sc. thesis, Dep. Zoology, UBC, 136p.
KEYWORDS: Sturgeon Bank, fish, water quality, physical environment, salmon, sewage.
REF. NO.: ..157 LOCATION: Ecology RR, UBC CALL NO.: thesis
- Meyer, P.A. 1974. Recreational and preservation values associated with the salmon of the Fraser River. Environment Canada and Fisheries and Marine Service Information Rept. Series No. PAC/N-74-1, 49p.
KEYWORDS: estuary, fish, salmon, water use, recreational use, fishing.
REF. NO.: ...68 LOCATION: WPMB library CALL NO.: 9.27
- Meyer, P.A. 1978. Updated estimates for recreation and preservation values associated with the salmon and steelhead of the Fraser River. Habitat Protection Directorate, Fisheries and Environment Canada, 35p.
KEYWORDS: estuary, fish, salmon, water use, recreational use, fishing.
REF. NO.: ..277 LOCATION: new CALL NO.: new
- Meyer, P.A.. 1970. Need for public facilities related to the fishing industry at Steveston. Economics Br., Fisheries Serv., Pac. Reg., 1970-11, 23p + appendix.
KEYWORDS: Main Arm, water use, commercial use, recreational use, commercial fishing.
REF. NO.: ..311 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Michnowsky, E., L.M. Churchland, P.A. Thomson, P. Whitfield. 1982. Changes in extractable metal concentrations during storage of surface water samples containing sediments. Water Resources Bulletin 18:129-132.
KEYWORDS: Main Arm, water quality, trace metals, techniques.
REF. NO.: ..128 LOCATION: WQB library CALL NO.: reprint
- Millard, T.H. prep. Bedforms in the Fraser River estuary. B.Sc. thesis, Dept. Geog., U.B.C..
KEYWORDS: estuary, sediments, bathymetry.
REF. NO.: ..530 LOCATION: Dep. Geog. UBC CALL NO.: none
- Miller, P. and L. Hensel. 1982. Roberts Bank development. A report on habitat compensation. National Harbours Board and Dep. Fisheries and Oceans, 82p.
KEYWORDS: Roberts Bank, plants, vascular plants, distribution, abundance.
REF. NO.: ..422 LOCATION: Vanc. Port CALL NO.: B. Moody
- Milliman, J.D. 1980. Sedimentation in the Fraser River and its estuary, southwestern British Columbia (Canada). Estuar. Coastal Mar. Sci. 10:609-633.
KEYWORDS: estuary, sediments, sedimentation, physical environment, discharge.
REF. NO.: ..335 LOCATION: Tassone, WSC CALL NO.: none
- Ministry of Environment, B.C. 1985. Fraser Delta strategic environmental management plan (Tables only). Ministry of Environment, B.C., 189pp.
KEYWORDS: estuary, contaminant sources, water use, water quality.
REF. NO.: ..637 LOCATION: new CALL NO.: new
- Ministry of Transportation and Highways. 1983. Fisheries, habitat, and hydrological study: Annieville Channel bridge pier protection works. Interim report. B.C. Ministry of Transportation and Highways, Victoria, File L1-M127-545, 191p.
KEYWORDS: Main Arm, physical environment, currents, fish, salmon.
REF. NO.: ...59 LOCATION: WPMB library CALL NO.: F1-HH.6
- Monenco Pipeline Consultants Ltd. 1983. Environmental impact assessment of construction of a natural gas pipeline across Roberts Bank. Vol.2. Impact of pipeline construction on the physical env. of RB. Rep. for B.C. Hydro.
KEYWORDS: Roberts Bank, physical environment, currents, sediments, bathymetry, particle size.
REF. NO.: ..595 LOCATION: R. Kistritz CALL NO.: none
- Moody, A.I. none. Evaluation of vegetation communities of the Tsawwassen Indian Reserve salt marsh and an assessment of the proposed breakwater concept. AIM Ecological Consultants, for Associated Engineering (B.C.) Ltd., 22p.
KEYWORDS: Roberts Bank, plants, marsh plants, distribution, salt marsh.
REF. NO.: ...18 LOCATION: WPMB library CALL NO.: F124-DL.26

REFERENCES (listing continued):

- Moody, A.I. 1978. Growth and distribution of the vegetation of a southern Fraser River marsh. M.Sc. thesis, Dept. Botany, UBC.
KEYWORDS: Main Arm, plants, vascular plants, distribution, production.
REF. NO.: ..355 LOCATION: Botany, UBC CALL NO.: none
- Moody, R. 1975. Habitat, population, and leaf characteristics of *Zostera marina* L. on Roberts Bank, B.C. M.Sc. thesis, Dep. Plant Sci., U.B.C., 104p.
KEYWORDS: Roberts Bank, plants, vascular plants, abundance.
REF. NO.: ..614 LOCATION: B.C. Hydro CALL NO.: H. Smith
- Moore, B.J. and G.R. Gough. 1980. Hog fuel as a fill in the south Westminster area. A review and water chemistry survey November 1979 - January 1980. Waste Management Branch, Ministry of Environment.
KEYWORDS: Main Arm, contaminant sources, landfill leachates, effluent quality, BOD.
REF. NO.: ..489 LOCATION: new CALL NO.: new
- Moore, D. and R. Brinkhurst. 1986. Data report. Cruise #84-BB-01. Draft of proprietary data.
KEYWORDS: Boundary Bay, invertebrates, benthos, oligochaetes, distribution, abundance.
REF. NO.: ..619 LOCATION: new CALL NO.: new
- Mora, S.J. de. 1983. The distribution of alkalinity and pH in the Fraser estuary. Environ. Technol. Lett. 4(1):35-46.
KEYWORDS: estuary, water quality, physical environment, pH, alkalinity, modelling.
REF. NO.: ..333 LOCATION: new CALL NO.: new
- Morrison, D.M. 1975. Pollution studies of the proposed Vancouver International Airport. Vol.II. Effects of dredging on water quality. Environmental Protection Service, Pac. Reg., EPS 8-PR-75-2, 53p.
KEYWORDS: Sturgeon Bank, water quality, sediments, water use, commercial use, dredging.
REF. NO.: ..248 LOCATION: new-fiche CALL NO.: new
- Mortimore, G.E. 1981. Who will save the Fraser River?. Reader's Digest, Oct. 1981:69-74.
KEYWORDS: estuary, contaminant sources, sewage, industrial effluents, fish.
REF. NO.: ..338 LOCATION: Tassone, WSC CALL NO.: none
- Mosley, T. 1982. Creel survey of lower Fraser River bar fishery, 1982. Dep. Fisheries and Oceans, 98p.
KEYWORDS: estuary, water use, recreational use, fishing, fish, salmon.
REF. NO.: ..316 LOCATION: DFO, Vanc SH CALL NO.: 224 B7 M68

REFERENCES (listing continued):

- Municipal Division, Water Pollution Control Directorate. 1982. Effluent survey report Annacis Island sewage treatment plant. Municipal Division, Water Pollution Control Directorate.
KEYWORDS: Main Arm, contaminant sources, sewage, effluent quality, trace metals, trace organics.
REF. NO.: ..636 LOCATION: new CALL NO.: new
- Nassichuck, M. and P. Futer. prep. Metal levels in transplanted bivalves in the vicinity of the Iona Island sewage treatment plant, Fraser River. Dep. Fisheries and Oceans.
KEYWORDS: Sturgeon Bank, water quality, trace metals, invertebrates, benthos, shellfish.
REF. NO.: ..309 LOCATION: Nassichuck DFO CALL NO.:
- Nassichuck, M.D., P.G. Futer, J.H. Patterson, I.K. Birtwell. 1984. Water and sediment chemistry characteristics of the Tilbury and Deas Slough regions of the Fraser River. Dep. Fisheries and Oceans, Can. Data Rep. Fish. Aquat. Sci. No. 492, 81p.
KEYWORDS: Main Arm, sediments, water quality, trace metals, oxygen, nutrients.
REF. NO.: ..313 LOCATION: new CALL NO.: new
- Nelson, C.S. and M.F. Lawrence. 1984. Methane-derived high-Mg calcite submarine cement in Holocene nodules from the Fraser delta, British Columbia, Canada. Sedimentology 31:645-654.
KEYWORDS: estuary, sediments.
REF. NO.: ..442 LOCATION: new CALL NO.: new
- Neumeyer, R.N. and V.G. Bartnik. 1981. Tilbury Slough dyke reconstruction project. Construction and post construction environmental impact assessment. Inland Water Directorate, Environment Canada, Vancouver, 31p.
KEYWORDS: Main Arm, water quality, physical environment, flooding.
REF. NO.: ...92 LOCATION: WPMB library CALL NO.: F124-EI.1
- Nordin, R.N. 1985. Water quality criteria for nutrients and algae. Water Quality Unit, Res. Qual. Section, Water Manag. Br., B.C. Ministry of Environ., 7p.
KEYWORDS: estuary, water quality, nutrients, plants, algae.
REF. NO.: ..560 LOCATION: Nordin CALL NO.: B.C. WQ Br
- North, M.E.A., M.W. Dunn, and J.M. Teversham. 1979. Vegetation of the southwestern Fraser lowland, 1858-1880. Lands Directorate, Environment Canada, Vancouver.
KEYWORDS: estuary, plants, vascular plants, distribution, maps.
REF. NO.: ..483 LOCATION: Butler, CWS CALL NO.: none

REFERENCES (listing continued):

- Northcote T.G., G.L. Ennis, and M.H. Anderson. 1975. Periphytic and planktonic algae of the Lower Fraser River in relation to water quality conditions. Westwater Research Centre, UBC, Tech. Rept. 8, 61p.
KEYWORDS: estuary, plants, algae, distribution, nutrients.
REF. NO.: ...12 LOCATION: WPMB library CALL NO.: F1-H.6
- Northcote, T.G. 1974. Biology of the Lower Fraser River: a review. Westwater Research Centre, UBC, Tech. Rept. 3, 94p.
KEYWORDS: estuary, fish, birds, plants, distribution, abundance.
REF. NO.:9 LOCATION: WQB library CALL NO.: 606 A87
- Northcote, T.G., C. Magnhagen and R. Gregory. prog. Microdistributional and feeding interactions between three species of juvenile Pacific salmon cohabiting intertidal marsh channels of the Fraser River estuary. Dep. Zoology, UBC.
KEYWORDS: estuary, fish, salmon, feeding, distribution.
REF. NO.: ..161 LOCATION: Zoology, UBC CALL NO.: none
- Northcote, T.G., N.T. Johnston, and K. Tsumura. 1975. Trace metal concentrations in Lower Fraser River fishes. Westwater Research Centre, UBC, Tech. Rept. 7, 41p.
KEYWORDS: estuary, fish, salmon, bioaccumulation, mercury.
REF. NO.:5 LOCATION: WQB library CALL NO.: 603 A1048
- Northcote, T.G., N.T. Johnston, and K. Tsumura. 1976. Benthic, epibenthic, and drift fauna of the Lower Fraser River. Westwater Research Centre, UBC, Tech. Rept. 11, 227p.
KEYWORDS: estuary, invertebrates, benthos, oligochaetes, chironomids, abundance.
REF. NO.:6 LOCATION: WQB library CALL NO.: 603 A1050
- Northcote, T.G., N.T. Johnston, and K. Tsumura. 1978. A regional comparison of species distribution, abundance, size and other characteristics of Lower Fraser River fishes. Westwater Research Centre, UBC, Tech. Rept. 14, 38p.
KEYWORDS: estuary, fish, salmon, distribution.
REF. NO.:7 LOCATION: WQB library CALL NO.: 603 A1200
- Northcote, T.G., N.T. Johnston, and K. Tsumura. 1979. Feeding relationships and food web structure of Lower Fraser River fishes. Westwater Research Centre, UBC, Tech. Rept. 16, 73p.
KEYWORDS: estuary, fish, salmon, feeding.
REF. NO.: ...10 LOCATION: WQB library CALL NO.: 603

REFERENCES (listing continued):

- Oloffs, P.C., L.J. Albright, S.Y. Szeto, and J. Lau. 1973. Factors affecting the behaviour of five chlorinated hydrocarbons in two natural waters and their sediments. *J. Fish. Res. Board Can.* 30:1619-1623.
KEYWORDS: Main Arm, water quality, sediments, trace organics, transformation.
REF. NO.: ..568 LOCATION: new CALL NO.: new
- Oloffs, P.C., L.J. Albright, and S.Y. Szeto. 1972. Fate and behaviour of five chlorinated hydrocarbons in three natural waters. *Can. J. Microbiology* 18(9):1393-1398.
KEYWORDS: Main Arm, water quality, trace organics, transformation, bacteria.
REF. NO.: ..569 LOCATION: new CALL NO.: new
- Otte, G. and C.D. Levings. 1975. Distribution of macroinvertebrate communities on a mud flat influenced by sewage, Fraser River estuary, British Columbia. Fisheries and Marine Service, West Vancouver, 14p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, invertebrates, benthos, distribution.
REF. NO.: ..270 LOCATION: new CALL NO.: new
- Parsons, T.R.. 1983. Symposium on the fisheries and oceanography of the Strait of Georgia. *Can. J. Fish. Aquat. Sci.* 40(7):1025.
KEYWORDS: estuary, physical environment; fish.
REF. NO.: ..171 LOCATION: new CALL NO.: new
- Parsons, T.R. et al. 1969. Production studies in the Strait of Georgia. Parts I-III. *J. Exp. Biol. Ecol.* 3:27-38, 39-50, 55-61.
KEYWORDS: Roberts Bank, plants, algae, production.
REF. NO.: ..592 LOCATION: new CALL NO.: new
- Parsons, T.R., C.A. Bawden, and W.A. Heath. 1973. Preliminary survey of mercury and other metals contained in animals from the Fraser River mudflats. *J. Fish. Res. Board Can.* 30:1014-1016.
KEYWORDS: Sturgeon Bank, invertebrates, epibenthos, bioaccumulation, trace metals, crabs.
REF. NO.: ..594 LOCATION: new CALL NO.: new
- Pearse Bowden Economic Consultants Ltd. 1973. Evaluation of the impact of the proposed System E dams on fish, wildlife, parks and outdoor recreation. Rept. for Fish, Wildlife and Parks Sector of the Ecology Committee, Fraser R. Bd., 99p + app.
KEYWORDS: estuary, water use, fish, birds, recreational use.
REF. NO.: ...24 LOCATION: WPMB library CALL NO.: F-A.3-28

REFERENCES (listing continued):

- Pearse, P.H. 1984. Of home and the river. *Can. Water Resour. J.* 9(2):1-6.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..236 LOCATION: new CALL NO.: new
- Pharo, C. 1972. Sediments in the central and southern Straits of Georgia, British Columbia. Ph.D. thesis, Dept. Geological Sciences, UBC.
KEYWORDS: estuary, sediments.
REF. NO.: ..486 LOCATION: Water Survey CALL NO.: C. Pharo
- Pomeroy, W.M. 1983. Receiving environment studies conducted in the vicinity of Iona Island sewage treatment plant, Vancouver, B.C.. EPS, Pac. Reg., 83-10, 36p.
KEYWORDS: Sturgeon Bank, water quality, physical environment, invertebrates, sewage, sediments.
REF. NO.: ..251 LOCATION: new CALL NO.: new
- Pomeroy, W.M. prep. Trace metal analysis of sediments of the Fraser River foreshore. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, sediments, trace metals.
REF. NO.: ..470 LOCATION: EPS West Van CALL NO.: none
- Pomeroy, W.M. and A. Coledey. prep. PCP distribution in Boundary Bay. EPS, Environment Canada, West Vancouver.
KEYWORDS: Boundary Bay, water quality, sediments, trace organics, PCP's.
REF. NO.: ..469 LOCATION: EPS, West Van CALL NO.: none
- Pomeroy, W.M. and C.D. Levings. 1980. Association and feeding relationships between *Eogammarus confervicolus* (Amphipoda, Gammaridae) and benthic algae on Sturgeon and Roberts Banks, Fraser R estuary. *Can. J. Fish. Aquat. Sci.* 37:1-10.
KEYWORDS: estuary, invertebrates, benthos, amphipods, plants, algae.
REF. NO.: ..596 LOCATION: new CALL NO.: new
- Pomeroy, W.M., D. Gordon and C.D. Levings. 1981. Data report on brackish marsh transplant experiments at the Fraser estuary. Dept. Fish. & Oceans, West Vancouver, B.C.
KEYWORDS: estuary, plants, vascular plants, sediments, particle size, abundance.
REF. NO.: ..370 LOCATION: new CALL NO.: new
- Pomeroy, W.M., D.K. Gordon, and C.D. Levings. 1981. Experimental transplants of brackish and salt water marsh species on the Fraser River estuary. Dep. Fisheries and Oceans, Can. Tech. Rep. Fish. Aquat. Sci. No. 1067, 35p.
KEYWORDS: estuary, plants, vascular plants, distribution.
REF. NO.: ..269 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Pond, S.G. 1975. Pollution studies of the proposed Vancouver International Airport expansion. Vol.1. Summary, storm drainage, sewerage systems, and Iona Island sewage effects. EPS, Environment Canada, EPS 8-PR-75-1.
KEYWORDS: Sturgeon Bank, water quality, contaminant sources, stormwater discharges, sewage, dredging.
REF. NO.: ..247 LOCATION: new-fiche CALL NO.: new
- Pond, S.G. 1976. Vancouver International Airport pollution studies. EPS, Pac. Reg., EPS 8-PR-76-2.
KEYWORDS: Sturgeon Bank, water quality.
REF. NO.: ..257 LOCATION: new-fiche CALL NO.: new
- Porter, G.L. 1982. Vegetation-environment relationships in the tidal marshes of the Fraser River delta, British Columbia. M.Sc. thesis, Dep. Botany, UBC, 143p.
KEYWORDS: estuary, plants, vascular plants, distribution.
REF. NO.: ..165 LOCATION: Bradfield UBC CALL NO.: none
- Pretious, E.S. 1969. The sediment load of the Lower Fraser River, B.C. Dept. of Civil Engineering, UBC, 27p.
KEYWORDS: estuary, sediments, water quality, sediment load.
REF. NO.: ...85 LOCATION: WPMB library CALL NO.: 17.23
- Pretious, E.S. 1972. Downstream sedimentation effects of dams on the Fraser River, B.C. Dep. Civil Eng., UBC, Water Res. Ser. No. 6, 91p.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..212 LOCATION: Westwater CALL NO.: O2J P74d
- Public Works Canada. 1978. An introduction to river mechanics and the lower Fraser River. Seminar spon. by Fraser River Harbour Comm., N. Fraser Harbour Comm., and Dep. Public Works, 72p.
KEYWORDS: estuary, physical environment, sediments, discharge, currents, sedimentation.
REF. NO.: ..225 LOCATION: Westwater CALL NO.: O2A C68i
- Public Works Canada. 1978. Proposed improvements to the Fraser River shipping channel. Transcript proceedings of public information meeting, 55p.
KEYWORDS: estuary, water use, commercial use, shipping.
REF. NO.: ..228 LOCATION: Westwater CALL NO.: O6B C68p
- Public Works Canada. 1976. Proposed improvements to the shipping channel on the Fraser River from New Westminster to the Strait of Georgia. Interim report, 88p.
KEYWORDS: estuary, water use, commercial use, shipping.
REF. NO.: ..226 LOCATION: Westwater CALL NO.: O6B C68p

REFERENCES (listing continued):

- Public Works Canada. 1977. The Fraser ... Waterway to the Pacific - proposed navigation channel improvements. Public Works Canada, Pacific Region, 23p.
KEYWORDS: Main Arm, water use, commercial use, shipping.
REF. NO.: ..282 LOCATION: new CALL NO.: new
- Public Works Canada. none. Annual Survey Plans. Sets 1 and 2. South and North Arms. Unpublished rept., Public Works Canada.
KEYWORDS: estuary, sediments, bathymetry.
REF. NO.: ..485 LOCATION: H. Wu, PWC CALL NO.: none
- Public Works Canada. curr. Sediment survey, raw data 1973 - present (in binders). Public Works Canada.
KEYWORDS: estuary, sediments.
REF. NO.: ..562 LOCATION: Public Works CALL NO.: none
- Public Works Dep., Marine Operations, Survey Division. none. Fraser River - Annual survey plans. Sets 1 and 2. Public Works Dep., Survey Division, Marine Operations.
KEYWORDS: estuary, sediments, bathymetry.
REF. NO.: ..533 LOCATION: Public Works CALL NO.: new
- Public Works of Canada. 1974. Engineering feasibility study. Potential reclamation for proposed expansion of Vancouver International Airport. Prepared for Ministry of Transport, 64p+.
KEYWORDS: estuary, sediments, physical environment, tides, dredging, discharge.
REF. NO.: ..542 LOCATION: Public Works CALL NO.: 8-2
- Quick, M.C. and A. Pipes. 1976. A combined snowmelt and rainfall runoff model. Can. J. Civ. Eng.3:449-460.
KEYWORDS: estuary, physical environment, discharge, modelling.
REF. NO.: ..584 LOCATION: new CALL NO.: new
- Reid, B.T. 1975. Lower mainland pleasure boating: the potential role of the North and Middle Arms of the Fraser River. Report by Thompson, Berwick, Pratt, and Partners, 23pp.
KEYWORDS: North Arm, water use, recreational use, boating.
REF. NO.: ..381 LOCATION: GVRD library CALL NO.: K220 R43
- Reith, G. (ed.). 1982. Fraser River Estuary Study: the information systems reports. Technical background report - phase II. Information Systems Sub-committee, Ministry of Environment, Victoria, 151p.
KEYWORDS: estuary, management.
REF. NO.: ..283 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Reynolds, L.M. 1979. Organochlorine pesticide and PCB residue analyses of Great Blue Heron eggs. Canadian Wildlife Service Rept. ORF 79-4.
KEYWORDS: estuary, birds, bioaccumulation, chlorinated hydrocarbons, PCB's.
REF. NO.: ..356 LOCATION: Whitehead, CWS CALL NO.: none
- Roberts Bank Environmental Review Committee. 1983. Progress Report, Roberts Bank Environmental Review Committee. Roberts Bank Environmental Review Committee.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..504 LOCATION: FRES, N. West CALL NO.: none
- Roberts, A. and J. Liedtke. 1986. Airborne definition of suspended surface sediment and intertidal environments in the Fraser R. plume, B.C..
In: Current Research, Part A, Geol. Survey Canada, Paper 86-1A:571-582.
KEYWORDS: estuary, water quality, sediments, particle size, remote sensing.
REF. NO.: ..334 LOCATION: Tassone, WSC CALL NO.: none
- Roberts, A., J. Udell and W. Dixon. prep. Mapping effluent plumes with digitally enhanced and classified aerial photography. Accepted for presentation at 10th Annual Symposium on Remote Sensing.
KEYWORDS: estuary, contaminant sources, water quality, sewage, oxygen, remote sensing.
REF. NO.: ..601 LOCATION: Dep. Geog. SFU CALL NO.: MChurch
- Roberts, M.C. et al. 1985. Sedimentary framework of the Fraser River delta, British Columbia: Preliminary field and laboratory results. In: Current Research, Part A, Geological Survey of Canada, Paper 85-1A:717-722.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..451 LOCATION: new CALL NO.: new
- Rocchini, R.J., W.A. Bergerud and R.W. Drinnan. 1981. Fraser River Estuary Study: water quality. Survey of fecal coliforms in 1978. APD Bulletin 21 (VI) prepared for Aquatic Studies Branch, Ministry of Environment, Victoria, B.C., 20p.
KEYWORDS: estuary, bacteria, fecal coliforms.
REF. NO.: ..459 LOCATION: new CALL NO.: new
- Rogers, I.H. 1980. Identification by GC-MS analyses of halogenated organics and PCB's in tissues of Fraser River estuary aquatic organisms. Regional environmental contaminants seminar - proceedings. EPS, Environment Canada, Vancouver, p.12-13.
KEYWORDS: estuary, fish, bioaccumulation, PCB's, trace organics.
REF. NO.: ..118 LOCATION: WQB library CALL NO.: 1810

REFERENCES (listing continued):

- Rogers, I.H. 1984. Organic chemicals in sewage from the Iona Island treatment plant. Proceedings of the workshop on municipal marine discharge, EPS, Environment Canada, Vancouver, 6p.
KEYWORDS: Sturgeon Bank, fish, salmon, bioaccumulation, sewage, effluent quality.
REF. NO.: ..126 LOCATION: WQB library CALL NO.: 1302.2 EPS
- Rogers, I.H. et al. 1986. Studies on effects of exposure of chinook salmon (*O. tshawytscha*) to municipal wastewater: I. Organic extractables on Iona Isl. Sew. Treatm. Pl. effluent. Submitted to Can. J. Water Poll. Res.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality, trace organics, PCB's.
REF. NO.: ..617 LOCATION: Birtwell CALL NO.: none
- Rogers, I.H., J.K. Birtwell, and G.M. Kruzynski. 1986. Organic extractables in primary treated municipal wastewater and uptake in exposed juvenile chinook salmon. (Prelim. study, Iona Island sewage treatment plant). Can. Tech. Rept. Fish. Aquat. Sci.
KEYWORDS: Sturgeon Bank, water quality, sewage, trace organics, fish, salmon.
REF. NO.: ..616 LOCATION: Birtwell CALL NO.: none
- Romaine, M.J. 1977. Fraser River delta and estuary region: federal land ownership and jurisdiction. Lands Directorate, Fisheries and Environment Canada, map.
KEYWORDS: estuary, water use, management.
REF. NO.: ..378 LOCATION: L. Swain CALL NO.: none
- Rosberg, G.E. and G.L. Greer. 1985. Migration rate and behaviour of adult sockeye and chum salmon through trained and untrained sections of the lower Fraser River. Dep. Fisheries and Oceans, Can. Tech. Rep. Fish. Aquat. Sci. No. 1349, 29p.
KEYWORDS: Main Arm, fish, salmon, physical environment, training walls, migration.
REF. NO.: ..266 LOCATION: new CALL NO.: new
- Rosberg, G.E. and S.C. Byers. 1985. Fisheries and aquatic studies for the proposed Fraser Richmond Terminal development. Rep. for Fraser River Harbour Comm., 151p.
KEYWORDS: Main Arm, water quality, sediments, trace metals, trace organics, fish.
REF. NO.: ..502 LOCATION: WPMB library CALL NO.: F1-EF.5
- Royer, L., and W.J. Emery. 1982. Variations of the Fraser River plume and their relationship to forcing by tide, wind and discharge. Atmosphere-Ocean 20(4):357-372.
KEYWORDS: Roberts Bank, physical environment, salinity.
REF. NO.: ..581 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Runyan, C.S. prep. Literature report on vehicle washing compounds and their environmental impacts. Environmental Health Div, Richmond.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges.
REF. NO.: ..245 LOCATION: Runyan CALL NO.: none
- Runyan, C.S. prep. Background summary for storm sewer washwater enforcement guidelines. Environmental Health Div., Richmond.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges.
REF. NO.: ..564 LOCATION: new CALL NO.: draft
- Runyan, C.S. 1986. 1985 environmental control summary report and 1986 priority projects. Environmental Health Div., Richmond, B.C.
KEYWORDS: Main Arm, contaminant sources, water quality, industrial effluents, landfill leachates, pesticides.
REF. NO.: ..243 LOCATION: new CALL NO.: new
- Rusch, W.C. 1972. A computer simulation of fecal coliforms in the Fraser River estuary. M.A.Sc. thesis, Dept. of Civil Engineering, UBC, 65p.
KEYWORDS: Main Arm, bacteria, fecal coliforms, modelling.
REF. NO.: ..139 LOCATION: WQB library CALL NO.: 603 A1371
- Russell, L. and H. Paish. 1968. Waterfowl populations and outdoor recreational opportunity on the Fraser delta foreshores. B.C. Wildlife Federation, 59p.
KEYWORDS: estuary, birds, water use, recreational use.
REF. NO.: ...28 LOCATION: WPMB library CALL NO.: F1-E.9
- S and S Consultants. 1983. Iona deep sea outfall feasibility study. Vol. 1, Main report. Unpublished report, for GVSDD.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, fish, salmon, sediments.
REF. NO.: ..386 LOCATION: GVRD library CALL NO.: cabinet
- S.P.E.C. 1972. Fraser estuary study project. British Columbia. British Columbia Environmental Council, 50p + (3)p incl. bibliography.
KEYWORDS: estuary.
REF. NO.: ..380 LOCATION: S.P.E.C CALL NO.: LFRA 032
- Savard, J-P. L. 1985. Fall and winter inventories of ducks on the Fraser River delta and Boundary Bay, 1977-1978. Unpublished report, Canadian Wildlife Service, Delta, File 9410-2.
KEYWORDS: estuary, Boundary Bay, birds, waterfowl, distribution, abundance.
REF. NO.: ..411 LOCATION: new CALL NO.: new
- Schubert, N.D. 1985. The Indian food fishery of the Fraser River: 1984 summary. Dep. Fisheries and Oceans, Can. Data Rep. Fish. Aquat. Sci. No. 512, 69p.
KEYWORDS: Main Arm, fish, salmon, water use, fishing, Indian.
REF. NO.: ..331 LOCATION: DFO, New West CALL NO.: none

REFERENCES (listing continued):

- Servizi, J.A. prep. Toxicity of Fraser River suspended sediment to fish.
Res. Branch, Dep. Fisheries and Oceans.
KEYWORDS: estuary, sediments, fish, water quality, turbidity, bioassay.
REF. NO.: ..563 LOCATION: Servizi CALL NO.: none
- Servizi, J.A. and D.W. Martens. 1976. Disinfection, dechlorination, and toxicity to fish. Proceedings of the Annual Conference of the American Water Works Assoc., Toronto, Ontario, April 20-23, 1975, pp.34-44.
KEYWORDS: Main Arm, contaminant sources, sewage, toxicity, salmon, chlorine.
REF. NO.: ..137 LOCATION: WQB lib 1302.2 CALL NO.: A691
- Servizi, J.A. and D.W. Martens. 1974. Preliminary survey of toxicity of chlorinated sewage to sockeye and pink salmon. Int. Pac. Salmon Fish. Comm. Progress Report No. 30.
KEYWORDS: estuary, fish, salmon, bioassay, sewage, toxicity.
REF. NO.: ..261 LOCATION: new CALL NO.: new
- Servizi, J.A. and R.A. Burkhalter. 1970. Selected measurements of water quality and bottom-dwelling organisms of the Fraser River system 1963 to 1968. Int. Pac. Salmon Fish. Comm., 70p.
KEYWORDS: estuary, water quality, oxygen, invertebrates, benthos, distribution.
REF. NO.: ..207 LOCATION: new CALL NO.: new
- Servizi, J.A. et al. 1986. Microbiological detoxification of resin acids. Can. J. Water Pollution Res. - submitted.
KEYWORDS: estuary, fish, invertebrates, bioassay, resin acids.
REF. NO.: ..635 LOCATION: new CALL NO.: new
- Servizi, J.A., D.W. Martens and R.W. Gordon. 1978. Acute toxicity at Annacis Island primary sewage treatment plant. Int. Pac. Salmon Fish. Comm., Prog. Rep. 38, 12p.
KEYWORDS: Main Arm, contaminant sources, fish, sewage, toxicity, salmon.
REF. NO.: ..177 LOCATION: new CALL NO.: new
- Sewell, W.R.D. 1965. Water management and floods in the Fraser River basin. Dep. Geogr., U. of Chicago, Res. Paper No. 100, 163p.
KEYWORDS: estuary, physical environment, flooding, management.
REF. NO.: ..213 LOCATION: Westwater CALL NO.: none
- Shephard, F.P. and J.D. Milliman. 1978. Sea-floor currents on the foreshore slope of the Fraser River delta, British Columbia (Canada). Marine Geology 28:245-251.
KEYWORDS: estuary, physical environment, currents, tides.
REF. NO.: ..445 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Sherbin, I.G. 1979. Mercury in the Canadian environment. Environmental Protection Service, Rept. EPS 3-EC-79-6, 359p.
KEYWORDS: estuary, sewage, sediments, water quality, fish, mercury.
REF. NO.: ..150 LOCATION: WQB lib 1302.2 CALL NO.: A1266
- Singleton, H.J. 1980. Fraser River Estuary Study: water quality. Acute toxicity of effluents. Fraser River Estuary Study, Ministry of Environment, Victoria, 91p.
KEYWORDS: estuary, water quality, contaminant sources, sewage, landfill leachates, stormwater discharges.
REF. NO.: ..104 LOCATION: WQB library CALL NO.: 1302.2
- Singleton, H.J. 1983. Trace metals and selected organic contaminants in Fraser River fish. B.C. Min. Environment, Water Mgmt. Br., Victoria, Tech. Paper 2, 114p.
KEYWORDS: estuary, fish, bioaccumulation, trace metals, trace organics.
REF. NO.: ..640 LOCATION: new CALL NO.: new
- Slymaker, O. and L.M. Lavkulich. 1978. A review of land use - water quality interrelationships and a proposed method for their study. Westwater Research Centre, UBC, Tech. Rept. 13, 59p.
KEYWORDS: Main Arm, contaminant sources, diffuse sources.
REF. NO.: ...58 LOCATION: WPMB impact CALL NO.: F1-HQ.2
- Small Craft Harbours Branch, Pacific Region. 1976. Initial environmental evaluation of Steveston fishing harbour. Fisheries and Marine Service, Environment Canada, 50p + maps.
KEYWORDS: Main Arm, water use, water quality, plants, fish, recreational use.
REF. NO.: ...34 LOCATION: WPMB impact CALL NO.: F1-EI.2
- Soper, P.W. and H.F. McAlpine. 1977. Richmond landfill assessment study. EPS, Pacific Region, EPS 8-PR-77-2.
KEYWORDS: Main Arm, contaminant sources, landfill leachates.
REF. NO.: ..289 LOCATION: CALL NO.:
- Spies, A. and T.R. Parsons. 1985. Estuarine microplankton: An experimental approach in combination with field studies. J. Exp. Mar. Biol. Ecol. 92:63-81.
KEYWORDS: Main Arm, plants, physical environment, production, salinity.
REF. NO.: ..170 LOCATION: new CALL NO.: new
- Sproule-Jones, M. 1980. The real world of pollution control. Westwater Research Centre, UBC. 128p.
KEYWORDS: estuary, water use, management.
REF. NO.: ..178 LOCATION: Westwater CALL NO.: out of pri

REFERENCES (listing continued):

- Sproule-Jones, M. 1977. Handbook of key organizations affecting water quality for the Fraser River. Prepared for Conf. on the Fraser, Richmond, B.C., 18 June 1977, 40p.
KEYWORDS: estuary, water quality, contaminant sources, management.
REF. NO.: ..561 LOCATION: Public Works CALL NO.: 8-93
- Sproule-Jones, M. and K. Peterson. 1975. Institutional and intergovernmental arrangements and the management of water quality: the lower Fraser River case. Westwater Research Centre, UBC, 21p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..214 LOCATION: Westwater CALL NO.: none
- Stancil, D.E. 1980. Fraser River Estuary Study: water quality. Aquatic biota and sediments. Fraser River Estuary Study, Ministry of Environment, Victoria, 187p.
KEYWORDS: estuary, water quality, sediments, plants, invertebrates, fish.
REF. NO.: ..105 LOCATION: WQB library CALL NO.: 603
- Stanley, D.R. 1952. Preliminary report on a proposed pollution survey of the Fraser River watershed. Rept. prep. by Associated Engineering Services Ltd. for Dominion-Provincial Bd. Fraser River Basin, 14p+.
KEYWORDS: estuary, water quality, contaminant sources, sewage, industrial effluents.
REF. NO.: ...46 LOCATION: WPMB library CALL NO.: F2-HQ.5
- Stein, J. R. 1975. Freshwater algae of British Columbia: the Lower Fraser Valley. Syesis 8:119-184.
KEYWORDS: estuary, plants, algae, distribution, taxonomy.
REF. NO.: ..588 LOCATION: new CALL NO.: new
- Still, G.W.. 1979. Effects of land use on the water quality of Ladner Slough. M.Sc. thesis, Dep. Soil Sci., UBC, 191p..
KEYWORDS: Main Arm, water use, sediments, water quality, trace metals, nutrients.
REF. NO.: ..155 LOCATION: Soil Sci, UBC CALL NO.: none
- Swain, L.G. 1980. Fraser River Estuary Study: water quality. Industrial effluents. Fraser River Estuary Study, Ministry of Environment, Victoria, 195p.
KEYWORDS: estuary, water quality, contaminant sources, industrial effluents, trace metals.
REF. NO.: ..102 LOCATION: WQB library CALL NO.: 1302.2
- Swain, L.G. 1983. Stormwater area, Vancouver, B.C. Res. Quality Sec., Water Manag. Branch, B.C. Ministry of Environment, 250p.
KEYWORDS: North Arm, contaminant sources, stormwater discharges, water quality, nutrients, trace metals.
REF. NO.: ..439 LOCATION: L. Swain CALL NO.: none

REFERENCES (listing continued):

- Swain, L.G. 1986. A survey of metals, PCB's, and chlorophenols in the sediments, benthic organisms and fish of the lower Fraser River. Resource Quality Section, Water Management Branch, Ministry of Environment, B.C 42p+.
KEYWORDS: estuary, sediments, invertebrates, benthos, fish, trace organics.
REF. NO.: ..642 LOCATION: new CALL NO.: new
- Swain, L.G. and D.A. Douglas. 1982. Prelim. exam. of details related to a proposed long sea outfall for the Iona Island sewage treatment plant. Assess. & Plan. Div., Min. Environ., Victoria, B.C., APD Bulletin 29, 54pp + maps.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, dispersion.
REF. NO.: ..628 LOCATION: new CALL NO.: new
- Swain, L.G. and G.B. Holms. 1984. Water quality assessment and objectives for the Fraser-delta strategic planning unit. Vol. 2. Fraser River downstream from Kanaka Creek. Resource Quality Section, Water Management Branch, B.C. Min. Environment, 206p.
KEYWORDS: estuary, water quality, contaminant sources, water use, fish, physical environment.
REF. NO.: ..200 LOCATION: WQB library CALL NO.: none
- Swain, L.G. and G.B. Holms. 1985. Water quality assessment and objectives. Fraser-Delta area. Fraser River sub-basin from Kanaka Creek to the mouth. Resource Quality Section, Water Management Branch, B.C. Ministry of Environment, 16pp.
KEYWORDS: estuary, water quality, contaminant sources, industrial effluents, trace organics, trace metals.
REF. NO.: ..384 LOCATION: GVRD library CALL NO.: none
- Swain, L.G. and L.J. Alexander. 1981. Fraser River Estuary Study: water quality. Boundary Bay. Fraser River Estuary Study, Ministry of Environment, Victoria, 55p.
KEYWORDS: Boundary Bay, water quality, contaminant sources, sewage, industrial effluents, stormwater discharges.
REF. NO.: ..106 LOCATION: WQB library CALL NO.: 808 A1677
- Swain, L.G. and R.J. Rocchini. 1983. A progress report on the state of water quality in the lower Fraser River. Water Management Branch, 26p.
KEYWORDS: estuary, water quality, stormwater discharges, sewage, industrial effluents, effluent quality.
REF. NO.: ..623 LOCATION: new CALL NO.: new
- Swan Wooster Engineering Co. Ltd. 1982. An impact assessment of the expansion of Roberts Bank on Delta. Draft rep., National Harbours Board, 26p.
KEYWORDS: Roberts Bank, water use.
REF. NO.: ..484 LOCATION: Vanc. Port CALL NO.: B. Moody

REFERENCES (listing continued):

- Swiatkiewicz, V.J. none. Lower Mainland Region fisheries management statement. Fisheries Branch, Min. Environ.
KEYWORDS: estuary, fish, water use, recreational use, fishing.
REF. NO.: ..488 LOCATION: new CALL NO.: new
- Swinbanks, D.D. 1979. Environmental factors controlling floral zonation and the distribution of burrowing and tube-dwelling organisms on Fraser Delta tidal flats, B.C.. Ph.D. thesis, Dept. Botany, UBC, 274p.
KEYWORDS: estuary, plants, algae, invertebrates, benthos, physical environment.
REF. NO.: ..357 LOCATION: Botany, UBC CALL NO.: none
- Swinbanks, D.D. 1982. Intertidal exposure zones: a way to subdivide the shore. J. Exp. Mar. Biol. Ecol. 62:69-86.
KEYWORDS: Roberts Bank, physical environment, tides.
REF. NO.: ..441 LOCATION: new CALL NO.: new
- Swinbanks, D.D., and J.W. Murray. 1981. Biosedimentological zonation of Boundary Bay tidal flats, Fraser River delta, British Columbia. Sedimentology 28(2):201-237.
KEYWORDS: Boundary Bay, sediments, plants, invertebrates, distribution, benthos.
REF. NO.: ..233 LOCATION: new CALL NO.: new
- Tabata, S. 1972. The movement of Fraser River influenced surface water in the Strait of Georgia as deduced from a series of aerial photographs. Marine Sciences Branch, Pac. Reg., Environment Canada, Pac. Mar. Sci. Rep. 72-6, 69p.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..201 LOCATION: Westwater CALL NO.: O2L T33m
- Tabata, S. & J.A. Stickland. 1972. Summary oceanographic records from moored instruments Strait of Georgia 1969-1970 Current velocity and seawater temp. Stat. H-26. Pac. Mar. Sci. Rept. No. 72-9, Environ. Canada, Mar. Sci. Br., Pac. Region.
KEYWORDS: estuary, physical environment, currents, temperature.
REF. NO.: ..577 LOCATION: S. Tabata CALL NO.: none
- Tabata, S. & J.A. Stickland. 1972. Summary oceanographic records from moored instruments Strait of Georgia 1969-1970 Current velocity and seawater temp. Stat. H-16. Pac. Mar. Sci. Rept. No. 72-8, Environ. Canada, Mar. Sci. Br., Pac. Region.
KEYWORDS: estuary, physical environment, temperature, currents.
REF. NO.: ..578 LOCATION: S. Tabata CALL NO.: none

REFERENCES (listing continued):

- Tabata, S. & J.A. Stickland. 1972. Summary oceanographic records from moored instruments Strait of Georgia 1969-1970 Current velocity and seawater temp. Stat. H-06. Pac. Mar. Sci. Rept. No. 72-7, Environ. Canada, Mar. Sci. Br., Pac. Region.
KEYWORDS: estuary, physical environment, temperature; currents.
REF. NO.: ..579 LOCATION: S. Tabata CALL NO.: none
- Tabata, S. et al. 1971. Program current velocity and water temperature observations from moored instruments in Strait of Georgia 1968-1970. Fish. Res. Bd. Can. Tech. Rept. No. 253, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents, temperature.
REF. NO.: ..576 LOCATION: S. Tabata CALL NO.: none
- Tabata, S., and R.J. LeBrasseur. 1958. Sea water intrusion into the Fraser River and its relation to the incidence of shipworms in Steveston Cannery basin. J. Fish. Res. Board Can. 15(1):91-113.
KEYWORDS: Main Arm, physical environment, salinity, tides, invertebrates, shipworms.
REF. NO.: ..570 LOCATION: new CALL NO.: new
- Tabata, S., L.F. Giovando and D. Devlin. 1971. Current velocities in the vicinity of the Greater Vancouver Sewerage and Drainage District's Iona Island outfall - 1968. Fish. Res. Bd. of Can. Technical Report No. 263, Biological Station, Nanaimo, B.C.
KEYWORDS: Sturgeon Bank, contaminant sources, physical environment, discharge, sewage.
REF. NO.: ..571 LOCATION: S. Tabata CALL NO.: none
- Tabata, S., L.F. Giovando, J.A. Stickland and J. Wong. 1970. Current velocity measurements in the Strait of Georgia - 1969. Fish. Res. Bd. of Can. Technical Report No. 191, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents.
REF. NO.: ..572 LOCATION: S. Tabata CALL NO.: none
- Tabata, S., L.F. Giovando, J.A. Stickland and J. Wong. 1970. Current velocity measurements in the Strait of Georgia - 1968. Fish. Res. Bd. of Can. Technical Report No. 178, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents.
REF. NO.: ..573 LOCATION: S. Tabata CALL NO.: none
- Tabata, S., L.F. Giovando, J.A. Stickland and J. Wong. 1970. Current velocity measurements in the Strait of Georgia - 1967. Fish. Res. Bd. of Can. Technical Report No. 169, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents.
REF. NO.: ..574 LOCATION: S. Tabata CALL NO.: none

REFERENCES (listing continued):

- Takahashi, M., K. Fujii and T.R. Parsons. 1973. Simulation study of phytoplankton photosynthesis and growth in the Fraser River estuary. *Marine Biology* 19:102-116.
KEYWORDS: estuary, plants, algae, production.
REF. NO.: ..230 LOCATION: new CALL NO.: new
- Tanner, G., G. Trasolini, and L. Nemeth. 1973. A study of wastewater characteristics of Greater Vancouver sewage treatment plants and major sewers. Environmental Protection Service, Pacific Region report EPS 5-PR-73-11, 223p.
KEYWORDS: North Arm, contaminant sources, sewage, effluent quality, trace metals, nutrients.
REF. NO.:2 LOCATION: WQB library CALL NO.: 1302.2 478
- Taylor, E.W. 1970. Wildlife and recreation in Boundary Bay. A review of the wildlife and recreational potential of Boundary Bay, British Columbia. Canadian Wildlife Service, Vancouver, 51p.
KEYWORDS: Boundary Bay, water use, birds, recreational use, fishing.
REF. NO.: ...83 LOCATION: WPMB library CALL NO.: SG-E.5
- Taylor, E.W. 1974. The Vancouver International Airport expansion proposals and possible impact on wildlife of the Fraser River estuary. Canadian Wildlife Service, Environment Canada, 54p.
KEYWORDS: Sturgeon Bank, birds, plants, waterfowl, shorebirds, raptors.
REF. NO.: ..217 LOCATION: new CALL NO.: new
- Taylor, E.W. 1950. A study of factors affecting reproduction and survival of Ring-necked pheasant in the Lower Fraser valley of B.C. M.Sc. thesis, Dept. Zoology, UBC.
KEYWORDS: estuary, birds, Galliformes, abundance.
REF. NO.: ..358 LOCATION: Zoology, UBC CALL NO.: none
- Tevendale, T.J. 1984. Rationale for selection of a deep sea outfall to serve the Iona Island sewage treatment plant. Proceedings of the workshop on municipal marine discharge, EPS, Environment Canada, Vancouver, 44p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality, effluent quantity, dispersion.
REF. NO.: ..125 LOCATION: WQB library CALL NO.: 1302.2 EPS
- Thomas, D.J. and E.V. Grill. 1977. The effect of exchange reactions between Fraser River sediment and seawater on dissolved Cu and Zn concentrations in the Strait of Georgia. *Estuarine and Coastal Marine Science* 5:421-427.
KEYWORDS: estuary, water quality, trace metals, sediments, desorption, copper.
REF. NO.: ..444 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Thompson, Berwick, Pratt and Partners. 1975. North Fraser recreational study. Unpublished report, for GVRD.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..392 LOCATION: GVRD library CALL NO.: K235 T3
- Thompson, J.A.J. and D.W. Paton. 1978. Heavy metals in benthic organisms from Point Grey dumpsite, Vancouver B.C.. Institute of Ocean Sciences, Patricia Bay, Dept. Fish. and Environ., Pac. Mar. Sci. Rep. 78-11.
KEYWORDS: Sturgeon Bank, contaminant sources, industrial effluents, invertebrates, benthos, bioaccumulation.
REF. NO.: ..367 LOCATION: new CALL NO.: new
- Thomson, R.E. 1981. Oceanography of the British Columbia coast. Can. Spec. Publ. Fish. Aquat. Sci. 56, 291p.
KEYWORDS: estuary, physical environment.
REF. NO.: ..651 LOCATION: Main library CALL NO.: GC854 T46
- Tomlins, G.F. and K.P.B. Thomson. 1982. Toward an operational, satellite-based, wetland monitoring program for the Fraser River estuary, British Columbia. In: Proc. 7th Canadian Symp. on Remote Sensing: 74-82. Sept. 8-11, 1981, Winnipeg, Man.
KEYWORDS: estuary, fish, birds.
REF. NO.: ..211 LOCATION: new CALL NO.: new
- Tompkins, A. prog. Role of predation in structuring fish communities. Ph.D. thesis, Dept. Zoology, UBC..
KEYWORDS: estuary, fish, salmon, feeding, predation.
REF. NO.: ..160 LOCATION: Zoology, UBC CALL NO.: none
- Transport Canada. 1981. Vancouver International Airport master plan. Govt. of Canada, 96p.
KEYWORDS: Sturgeon Bank, water use, commercial use.
REF. NO.: ..296 LOCATION: new CALL NO.: new
- Tutty, B.D. 1976. Assessment of techniques used to quantify salmon smolt entrainment by a hydraulic suction hopper dredge in the Fraser River estuary. Fish. and Mar. Serv., Tech. Rep. Ser. No. PAC/T-76-16.
KEYWORDS: Main Arm, water use, commercial use, dredging, fish, salmon.
REF. NO.: ..553 LOCATION: Public Works CALL NO.: 8-54
- Tutty, B.D. and J. McBride. 1976. Histopathology of chum (*Oncorhynchus keta*) and sockeye (*Oncorhynchus nerka*) smolts subjected to entrainment during hydraulic dredging in the Fraser River est.. Fisheries and Marine Service, Pac. Reg., 23p.
KEYWORDS: estuary, water use, fish, salmon, commercial use, dredging.
REF. NO.: ..310 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Tutty, B.D. and J.A. Morrison. 1976. Dredge monitoring capture data and entrainment estimates during the 1976 juvenile salmonid migration in the lower Fraser River. Fisheries and Marine Service, Pac. Reg., 56p.
KEYWORDS: Main Arm, fish, salmon, water use, commercial use, dredging.
REF. NO.: ..308 LOCATION: DFO, Vanc CAN 10 CALL NO.: PACT-76-21
- Tywniuk, N. 1972. Sediment budget of the Lower Fraser River estuary. Prep. for the 13th International Conference on Coastal Engineering, Vancouver, B.C., July 10-14, 1972, 5p. + tables.
KEYWORDS: estuary, sediments, sedimentation, physical environment, discharge, tides.
REF. NO.: ...55 LOCATION: WPMB library CALL NO.: F1-HS.4
- Tywniuk, N. 1973. Sediment budget of the lower Fraser River. 9th Canadian Hydrology Symp. Fluvial Processes and Sedimentation, U. of Alberta, Edmonton, 15p.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..202 LOCATION: Westwater CALL NO.: none
- Valdes, M. and L.J. Albright. 1981. Survival and heterotrophic activities of Fraser River and Strait of Georgia bacterioplankton within the Fraser River plume. Marine Biology 64:231-241.
KEYWORDS: Main Arm, bacteria, salinity, nutrients.
REF. NO.: ..565 LOCATION: new CALL NO.: new
- Valiela, D. and R.U. Kistritz. 1980. Dependence of salmon on Fraser estuarine marsh ecosystems: A simulation analysis. Westwater Research Centre, UBC, Tech. Rept. No. 18, 51p.
KEYWORDS: estuary, fish, salmon, distribution, feeding, modelling.
REF. NO.: ..189 LOCATION: WQB library CALL NO.: none
- Varzeliotis, A.N.T. 1974. River regime and sediment studies. Inland Waters Directorate, B.C. YT Reg., Water Planning Br., Environ. Canada, Fraser R. Upstream Storage Study. Task No. 58. 18p.
KEYWORDS: estuary, sediments, physical environment, sedimentation.
REF. NO.: ...20 LOCATION: WPMB library CALL NO.: F-A.3-5
- Vermeer, K. and C.D. Levings. 1977. Populations, biomass, and food habits of ducks on the Fraser delta intertidal area, British Columbia. Wildfowl 28:49-60.
KEYWORDS: estuary, birds, waterfowl, feeding, invertebrates.
REF. NO.: ..435 LOCATION: new CALL NO.: new
- Vermeer, K. and D.B. Peakall. 1979. Trace metals in seaducks of the Fraser River delta intertidal area, British Columbia. Mar. Poll. Bull. 10(7):189-193.
KEYWORDS: estuary, birds, waterfowl, bioaccumulation, trace metals.
REF. NO.: ..413 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Vermeer, K. and R. Vermeer. 1975. Oil threat to birds on the Canadian West Coast. *The Canadian Field-Naturalist* 89:278-298.
KEYWORDS: estuary, water quality, birds, oil, waterfowl, shorebirds.
REF. NO.: ..608 LOCATION: new CALL NO.: new
- Vigers, G.A. and A.W. Maynard. 1980. Monitoring environmental contamination from chlorophenol contaminated wastes generated in the wood preservation industry. *Proc. Regional Environmental Contaminants Seminar*:15-16. EPS, Environ. Canada, Van.
KEYWORDS: estuary, contaminant sources, water quality, trace organics, water use, commercial use.
REF. NO.: ..119 LOCATION: WQB library CALL NO.: 1810
- Wade, L. 1972. Sturgeon Banks: An ecological study. Corp. of Richmond, 31p.
KEYWORDS: Sturgeon Bank, physical environment, plants, fish, birds, salinity.
REF. NO.: ..204 LOCATION: Westwater CALL NO.: O6G W34s
- Waldichuck, M. 1985. Roberts Bank coal port, British Columbia: how did the environmental impact assessment fare?. *Mar. Pollut. Bull.* 16(5):179-185.
KEYWORDS: Roberts Bank, fish, plants, birds, salmon, management.
REF. NO.: ..258 LOCATION: new CALL NO.: new
- Waldichuk, M. 1976. Estuarine monitoring: Fraser River. Seminar Proceedings, "Monitoring for environmental protection", Environment Canada, EPS-8-PR-76-2, 18p.
KEYWORDS: estuary, invertebrates, abundance.
REF. NO.: ..143 LOCATION: WQB library CALL NO.: none
- Wan, M. prep. Fraser River estuary pesticide monitoring study 1985-1986. Unpublished report, EPS, West Vancouver.
KEYWORDS: estuary, water quality, trace organics, chlorinated hydrocarbons.
REF. NO.: ..461 LOCATION: Wan, EPS CALL NO.: none
- Wan, M. prep. Toxicity to rainbow trout of selected 2,4-D formulations. Unpublished draft report, EPS, West Vancouver.
KEYWORDS: estuary, fish, bioassay, chlorinated hydrocarbons.
REF. NO.: ..462 LOCATION: Wan, EPS CALL NO.: none
- Wan, M. prep. Persistence of glyphosate and its metabolites in coastal British Columbia streams. Unpublished draft report, EPS, West Vancouver.
KEYWORDS: estuary, water quality, trace organics, organophosphates.
REF. NO.: ..463 LOCATION: Wan, EPS CALL NO.: none

REFERENCES (listing continued):

- Ward, P. 1980. Explore the Fraser estuary. Lands Directorate, Environment Canada, in support of the Fraser River Estuary Study, 104p.
KEYWORDS: estuary, water use, recreational use, fishing, boating.
REF. NO.: ..332 LOCATION: DFO QH 541.5 CALL NO.: E8 W35
- Ward, P.R.B. 1976. Seasonal salinity changes in the Fraser River estuary. Can. J. Civ. Eng. 3:342.
KEYWORDS: estuary, physical environment, salinity, tides.
REF. NO.: ..186 LOCATION: Valiela CALL NO.: none
- Ward, P.R.B. none. Dispersion of pollutants in a partially stratified estuary. Unpublished draft report, Sediment Survey files, Water Survey of Canada, Vancouver.
KEYWORDS: Main Arm, water quality, contaminant sources, sewage, dispersion.
REF. NO.: ..343 LOCATION: Tassone, WSC CALL NO.: none
- Waste Management Branch. 1978. Data base of water quality sampling at five stations, Fraser River estuary 1972-1978+ (computer summary sheets). Waste Management Branch, Surrey.
KEYWORDS: estuary, water quality, oxygen, nutrients, major ions, trace metals.
REF. NO.: ..508 LOCATION: G. Gough CALL NO.: file cab.
- Water Management Branch. curr. Registry of water extraction licences for the Fraser River (data base). Min. of Environ., Water Mgmt. Branch, Surrey.
KEYWORDS: estuary, water use, industrial use, irrigation, quantity.
REF. NO.: ..328 LOCATION: new CALL NO.: new
- Water Planning and Management Branch and Water Resources Br. 1983. Fraser River model study. The application of a 1-dimensional hydrodynamic model to the lower Fraser River. Environment Canada, 61p.
KEYWORDS: estuary, physical environment, sediments, discharge, modelling.
REF. NO.: ..430 LOCATION: WPMB library CALL NO.: F1-HF.11
- Water Quality Branch. 1974. Selected water quality data on the Fraser River study - 1973. Inland Waters Directorate, Environment Canada, Water Quality Data Report, Ottawa.
KEYWORDS: estuary, water quality, physical environment, nutrients, fecal coliforms, trace metals.
REF. NO.: ...56 LOCATION: WPMB library CALL NO.: F1-HQ.1
- Water Quality Branch. 1973. Index of water quality stations. First edition. IWD, Environment Canada, 100p.
KEYWORDS: estuary, water quality.
REF. NO.: ..405 LOCATION: WQB library CALL NO.: 502 A96

REFERENCES (listing continued):

- Water Quality Management Section. 1971. Task force on environmental problems of the Lower Fraser River and Strait of Georgia. A collection of reports submitted to the task force. Dept. of Forestry and Fisheries, Unpublished report.
KEYWORDS: estuary, contaminant sources.
REF. NO.: ..140 LOCATION: WQB library CALL NO.: 808 A118
- Water Quality Work Group. 1979. Fraser River Estuary Study: water quality. Summary report. Fraser River Estuary Study, B.C. Min. Environment, 176p.
KEYWORDS: estuary, water quality, contaminant sources, sewage, bioaccumulation, stormwater discharges.
REF. NO.: ..494 LOCATION: new CALL NO.: new
- Water Quality Work Group. 1978. Water Quality - Interim Report. Water Quality Work Group, Fraser River Estuary Study, Victoria.
KEYWORDS: estuary, water quality, contaminant sources, sediments, plants, fish.
REF. NO.: ..497 LOCATION: FRES, N. West CALL NO.: none
- Water Survey of Canada. 1975. Provisional data report for the lower Fraser River sediment survey 1975. Lower Fraser River Sediment Survey, Environment Canada.
KEYWORDS: estuary, sediments, physical environment, sediment load.
REF. NO.: ...66 LOCATION: WPMB library CALL NO.: F1-HS.5
- Water Survey of Canada. 1973. Hydrologic data on selected estuarine rivers. Inland Waters Directorate, Environment Canada, Vancouver, 53p.
KEYWORDS: physical environment, discharge, temperature, sediment load.
REF. NO.: ...86 LOCATION: WPMB library CALL NO.: 21.109
- Water Survey of Canada. 1985. Surface water data. British Columbia 1984 (also 1965 - 1984). Water Resources Branch, I.W.D., Ottawa, 346p.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..152 LOCATION: WQB library CALL NO.: 808
- Water Survey of Canada. 1983. Sediment data Canadian rivers, 1981. Water Resources Branch, IWD, Environment Canada.
KEYWORDS: estuary, sediments, physical environment.
REF. NO.: ..404 LOCATION: WQB library CALL NO.: 808 A1631
- Water Survey of Canada. 1985. Surface water data. Reference index. Canada 1983. Water Resources Branch, IWD, Ottawa, 1972-1985.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..391 LOCATION: WQB library CALL NO.: 808

REFERENCES (listing continued):

- Water Survey of Canada, Sediment Survey Section. 1970. Hydrometric and sediment survey, Lower Fraser River. Progress report 1965-68.
Water Survey of Canada, Dept. Energy, Mines, and Natural Resources, 133pp.
KEYWORDS: estuary, sediments, sedimentation, physical environment, discharge, sediment load.
REF. NO.: ..348 LOCATION: Tassone, WSC CALL NO.: none
- Waters, R.D.. 1986. Initial environmental assessment profile of Vancouver harbour. Vol.2 Annotated bibliog. on some aspects of the environment of Vancouver harbour, Burrard Inlet. Rep. for EPS, W. Vancouver.
KEYWORDS: estuary, bibliography, water quality, sediments, contaminant sources, trace metals.
REF. NO.: ..482 LOCATION: EPS, W. Van CALL NO.: D.Goyette
- Watmough, D. 1972. An ecological approach to the development of the Richmond foreshore. Richmond Nature Park Committee, 59p.
KEYWORDS: Sturgeon Bank, biota, vascular plants, fish.
REF. NO.: ..625 LOCATION: new CALL NO.: new
- Waylen, P. and M.K. Woo. 1982. Prediction of mean annual flows in the Fraser River catchment, British Columbia. Water Resour. Bull. 18(4):707-711.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..234 LOCATION: new CALL NO.: new
- Weber, W.C. 1982. Spring migrant and breeding birds of the Alaskan National Wildlife Area, British Columbia. Unpublished report, DSS file KS603-2-0015, Canadian Wildlife Service, Delta.
KEYWORDS: Main Arm, birds, waterfowl, raptors, shorebirds, abundance.
REF. NO.: ..427 LOCATION: new CALL NO.: new
- Wells, M.L. 1982. The role of colloids in providing a source of iron to phytoplankton. M.Sc. thesis, Dep. Oceanogr. and Zoology, UBC, 116p.
KEYWORDS: estuary, plants, algae, trace metals.
REF. NO.: ..164 LOCATION: Lewis UBC CALL NO.: none
- Wells, M.L., N.G. Zorkin, and A.G. Lewis. 1983. The role of colloid chemistry in providing a source of iron to phytoplankton. J. Mar. Res. 41:731-746.
KEYWORDS: estuary, plants, algae, trace metals.
REF. NO.: ..163 LOCATION: new CALL NO.: new
- Wersta, E. 1973. Proposal for bar fishing within the Fraser River delta: Report on the justification to retain and improve some Fraser River sand bars for fishing. Local Initiatives Prog., Richmond.
KEYWORDS: estuary, water use, recreational use, fishing.
REF. NO.: ..206 LOCATION: Westwater CALL NO.: O6G W47p

REFERENCES (listing continued):

- Western Canada Hydraulic Laboratories Ltd.. 1978. Final report. North Arm borrow study. B.C. Dept. of Highways, 31pp + figures.
KEYWORDS: North Arm, sediments, sedimentation.
REF. NO.: ..347 LOCATION: Tassone, WSC CALL NO.: none
- Western Canada Hydraulic Laboratories Ltd. 1978. An introduction to river mechanics and the lower Fraser River. Marine and Civil Engineering Section, Canada Dept. Public Works, Pacific Region, 72p.
KEYWORDS: estuary, physical environment, sediments, discharge.
REF. NO.: ...45 LOCATION: WPMB library CALL NO.: F1-HH.2
- Western Canada Hydraulic Laboratories Ltd. 1981. Final report on dredge spoil disposal at Steveston south jetty. Report No. 75039, for Public Works Canada, 16p.
KEYWORDS: Main Arm, water quality, turbidity, water use, dredging.
REF. NO.: ...57 LOCATION: WPMB impact CALL NO.: F1-HS.7
- Western Canada Hydraulic Laboratories Ltd. 1977. Feasibility study, development of a forty foot draft navigation channel, New Westminster to Sandheads. Final report, Hydraulic model studies. Western Canada Hydraulic Laboratories Limited, 107p.
KEYWORDS: estuary, physical environment, water use, commercial use, shipping, dredging.
REF. NO.: ..276 LOCATION: new CALL NO.: new
- Western Canada Hydraulic Laboratories Ltd. 1983. Final report on Fraser foreshore sediment tracing project. Unpubl. report, for Transport Canada, Can. Coast Guard, Waterways Devel. Div., 46pp.
KEYWORDS: estuary, physical environment, sediments, modelling, discharge.
REF. NO.: ..407 LOCATION: Luternauer, GSC CALL NO.: none
- Western Canada Hydraulic Laboratories Ltd. 1978. Final report. Analysis of federal sediment survey data taken on the Lower Fraser River. Water Survey of Canada, Vancouver, 120pp + figures.
KEYWORDS: estuary, sediments, sedimentation, particle size.
REF. NO.: ..341 LOCATION: Tassone, WSC CALL NO.: none
- Western Canada Hydraulic Laboratories Ltd. 1975. The Fraser River model. Fraser River Harbour Commission pamphlet.
KEYWORDS: estuary, physical environment, modelling.
REF. NO.: ..336 LOCATION: Tassone, WSC CALL NO.: none
- Western Canada Hydraulic Laboratories Ltd. 1979. A pilot sand tracing study on the Fraser foreshore. Unpublished rept. for Dept. Supply and Services, 21p.
KEYWORDS: Roberts Bank, sediments, sedimentation, transport.
REF. NO.: ..448 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Western Canada Hydraulic Laboratories Ltd. 1981. Report of hydraulic model studies for Roberts Bank port development. National Harbours Board, 42p.
KEYWORDS: Roberts Bank, physical environment, discharge, modelling.
REF. NO.: ..423 LOCATION: Vanc. Port CALL NO.: B. Moody
- Western Canada Hydraulic Laboratories Ltd. 1976. Interim Report. Analytical and hydraulic model studies lower Fraser River. Prep. for Public Works Canada, 119p + 71 figs. + 13 plates + app.
KEYWORDS: estuary, physical environment, discharge, modelling.
REF. NO.: ..324 LOCATION: WCHL CALL NO.: A. McLaren
- Western Canada Hydraulic Laboratories Ltd. 1980. Report - Hydraulic and related studies on Roberts Bank and review of existing oceanographic, hydraulic and geotechnical info. on Sturgeon Bank. B.C. Hydro, 66p + 59 figs. + app.
KEYWORDS: estuary, physical environment, sediments, currents, modelling, bibliography.
REF. NO.: ..325 LOCATION: WCHL CALL NO.: A MacLaren
- Westwater Research Centre. 1979. The status of Fraser estuary research, 1979. Westwater Research Centre, UBC. Workshop proceedings, 14p.
KEYWORDS: estuary, physical environment, sediments, water quality, fish, invertebrates.
REF. NO.: ...98 LOCATION: WQB library CALL NO.: 0808 A1359
- Whelan, M.A. and E.R. McGreer. 1982. Benthic studies related to the proposed dredge spoil disposal site at Steveston, B.C. Prepared by E.V.S. Consultants Ltd. for Public Works Canada, 9p + appendices.
KEYWORDS: Main Arm, water use, commercial use, dredging, invertebrates, sediments.
REF. NO.: ..557 LOCATION: Public Works CALL NO.: 8-150
- White, S.W. 1976. Environmental concepts and the management of the Fraser River: An examination of the preferences of individuals involved with the appeals...Annacis Island Plant. M.Sc. thesis, Sch. of Comm. and Reg. Plann., UBC, 143p.
KEYWORDS: Main Arm, water quality, sewage, management.
REF. NO.: ..197 LOCATION: Westwater CALL NO.: O6B W55
- Whitfield, P.H. and H. Schreier. 1981. Hysteresis in relationships between discharge and water chemistry in the Fraser river basin, British Columbia. Limnol. Oceanogr. 26: 1179-1182.
KEYWORDS: estuary, physical environment, discharge, water quality, nutrients.
REF. NO.: ..116 LOCATION: WQB library CALL NO.: reprint

REFERENCES (listing continued):

- Whitfield, P.H. and J.W. McKinley. 1981. Some factors affecting the determination of particulate carbon and nitrogen in river water. Water Resources Bulletin 17:381-386.
KEYWORDS: North Arm, water quality, nutrients, nitrogen, carbon, variability.
REF. NO.: ..130 LOCATION: WQB library CALL NO.: reprint
- Wiley, K.C. 1984. Evaluation of Fraser River dredge spoil as a material to restore rearing habitat for juvenile Pacific salmon. Prep. by McLaren Plansearch for Transport Canada, 54p + app.
KEYWORDS: Main Arm, fish, water use, salmon, commercial use, dredging.
REF. NO.: ...26 LOCATION: MacLaren PlanS CALL NO.: K. Wiley
- Williams, G.L., and J. Villamere. 1983. Aquatic environmental assessment of First Capitol City Development Ltd. proposed New West. waterfront revitalization project:Phase 1 - 8th St basin. Hatfield Cons. Ltd. Rept. to First Capitol City Dev. Ltd., 62p.
KEYWORDS: Main Arm, water quality, sediments, water use, fish, industrial use.
REF. NO.: ..645 LOCATION: Hatfield Cons. CALL NO.: G.Williams
- Williams, G.L., J. Villamere, and G. Smith. 1984. An environmental assessment of the Bridgeport harbour market, foreshore development, Richmond, B.C.. Hatfield Consultants Ltd. Rept. to North Fraser Harbour Comm., 60p.
KEYWORDS: North Arm, plants, fish, invertebrates, sediments, benthos.
REF. NO.: ..644 LOCATION: Hatfield Cons. CALL NO.: G.Williams
- Williams, H.F.L. 1986. Depositional facies and evolution of Lulu Island topset deposits, Fraser delta, British Columbia. In: Current Research, Part A, Geol. Survey of Canada, Paper 86-1A, p.559-564.
KEYWORDS: Sturgeon Bank, sediments, sedimentation.
REF. NO.: ..344 LOCATION: Tassone, WSC CALL NO.: none
- Williams, I.V. 1969. Implications of water quality and salinity in the survival of Fraser River sockeye smolts. Int. Pac. Salmon Fish. Comm. Prog. Rep. 22.
KEYWORDS: estuary, water quality, fish, trace metals, trace organics, salmon.
REF. NO.: ..229 LOCATION: new CALL NO.: new
- Wilson, D. prep. Reports on chlorinated phenols, cadmium, lead, and agricultural pesticide monitoring in the Fraser River estuary. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, water quality, trace organics, trace metals.
REF. NO.: ..472 LOCATION: EPS West Van CALL NO.: none

REFERENCES (listing continued):

Yamanaka, K. 1975. Primary productivity of the Fraser River delta foreshore: yield estimates of emergent vegetation. M.Sc. thesis, Dept. Plant Science, UBC.

KEYWORDS: estuary, plants, vascular plants, production.

REF. NO.: 359 LOCATION: Plant Sci., UBC CALL NO.: none:

SEARCH CRITERIA: All references in the file.

REFERENCES:

- Drinnan, R.W. and M.J.R. Clark. 1980. Fraser River Estuary Study: water quality. Water chemistry, 1970-1978. Fraser River Estuary Study. Ministry of Environment, Victoria.
KEYWORDS: estuary, water quality, oxygen, nutrients, trace metals, trace organics.
REF. NO.:1 LOCATION: WQB library CALL NO.: none
- Tanner, G., G. Trasolini, and L. Nemeth. 1973. A study of wastewater characteristics of Greater Vancouver sewage treatment plants and major sewers. Environmental Protection Service, Pacific Region report EPS 5-PR-73-11, 223p.
KEYWORDS: North Arm, contaminant sources, sewage, effluent quality, trace metals, nutrients.
REF. NO.:2 LOCATION: WQB library CALL NO.: 1302.2 478
- Benedict, A.H., K.J. Hall, and F.A. Koch. 1973. A preliminary water quality survey of the Lower Fraser River system. Westwater Research Centre, UBC, Tech. Rept. 2, 50p.
KEYWORDS: estuary, water quality, sediments, trace metals, nutrients, bacteria.
REF. NO.:3 LOCATION: WQB library CALL NO.: 808 A165
- Hall, K.J., F.A. Koch, and I. Yesaki. 1974. Further investigations into water quality conditions in the Lower Fraser River system. Westwater Research Centre, UBC, Tech. Rept. 4, 104p.
KEYWORDS: estuary, water quality, trace metals, nutrients, bacteria, oxygen.
REF. NO.:4 LOCATION: WQB libr 1302.2 CALL NO.: A224,A662
- Northcote, T.G., N.T. Johnston, and K. Tsumura. 1975. Trace metal concentrations in Lower Fraser River fishes. Westwater Research Centre, UBC, Tech. Rept. 7, 41p.
KEYWORDS: estuary, fish, salmon, bioaccumulation, mercury.
REF. NO.:5 LOCATION: WQB library CALL NO.: 603 A1048
- Northcote, T.G., N.T. Johnston, and K. Tsumura. 1976. Benthic, epibenthic, and drift fauna of the Lower Fraser River. Westwater Research Centre, UBC, Tech. Rept. 11, 227p.
KEYWORDS: estuary, invertebrates, benthos, oligochaetes, chironomids, abundance.
REF. NO.:6 LOCATION: WQB library CALL NO.: 603 A1050

REFERENCES (listing continued):

- Northcote, T.G., N.T. Johnston, and K. Tsumura. 1978. A regional comparison of species distribution, abundance, size and other characteristics of Lower Fraser River fishes. Westwater Research Centre, UBC, Tech. Rept. 14, 38p.
KEYWORDS: estuary, fish, salmon, distribution.
REF. NO.:7 LOCATION: WQB library CALL NO.: 603 A1200
- Hall K.J., I. Yesaki, and J. Chan. 1976. Trace metals and chlorinated hydrocarbons in the sediments of a metropolitan watershed. Westwater Research Centre, UBC, Tech. Rept. 10, 74p.
KEYWORDS: estuary, sediments, contaminant sources, diffuse sources, trace metals, chlorinated hydrocarbons.
REF. NO.:8 LOCATION: WQB library CALL NO.: 700 A980
- Northcote, T.G. 1974. Biology of the Lower Fraser River: a review. Westwater Research Centre, UBC, Tech. Rept. 3, 94p.
KEYWORDS: estuary, fish, birds, plants, distribution, abundance.
REF. NO.:9 LOCATION: WQB library CALL NO.: 606 A87
- Northcote, T.G., N.T. Johnston, and K. Tsumura. 1979. Feeding relationships and food web structure of Lower Fraser River fishes. Westwater Research Centre, UBC, Tech. Rept. 16, 73p.
KEYWORDS: estuary, fish, salmon, feeding.
REF. NO.: ...10 LOCATION: WQB library CALL NO.: 603
- Johnston, N.T., et al. 1975. Chlorinated hydrocarbon residues in fishes from the Lower Fraser River. Westwater Research Centre, UBC, Tech. Rept. 9, 31p.
KEYWORDS: estuary, fish, salmon, bioaccumulation, trace organics, PCB's.
REF. NO.: ...11 LOCATION: WPMB library CALL NO.: F1-H.7
- Northcote T.G., G.L. Ennis, and M.H. Anderson. 1975. Periphytic and planktonic algae of the Lower Fraser River in relation to water quality conditions. Westwater Research Centre, UBC, Tech. Rept. 8, 61p.
KEYWORDS: estuary, plants, algae, distribution, nutrients.
REF. NO.: ...12 LOCATION: WPMB library CALL NO.: F1-H.6
- Dorcey, A.H.J. (ed.). 1976. The uncertain future of the Lower Fraser River. Westwater Research Centre, UBC, 202p.
KEYWORDS: estuary, water quality, fish, trace metals, trace organics, invertebrates.
REF. NO.: ...13 LOCATION: WPMB library CALL NO.: F1-A.13
- Koch, F.A., K.J. Hall, and I. Yesaki. 1977. Toxic substances in the wastewaters from a metropolitan area. Westwater Research Centre, UBC, Tech. Rept. 12, 107p.
KEYWORDS: estuary, water quality, sewage, trace metals.
REF. NO.: ...14 LOCATION: WQB library CALL NO.: none

REFERENCES (listing continued):

- Dorcey, A.H.J., T.G. Northcote, and D.V. Ward. 1978. Are the Fraser marshes essential to salmon?. Westwater Research Centre, UBC, Lecture No. 1; 29p.
KEYWORDS: estuary, fish, salmon, feeding, distribution, modelling.
REF. NO.: ...15 LOCATION: WPMB library CALL NO.: F1-E.7
- Dorcey, A.H.J. and K.J. Hall. 1981. Setting ecological research priorities for management: the art of the impossible in the Fraser River estuary. Westwater Research Centre, UBC, 78p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ...16 LOCATION: WPMB library CALL NO.: F1-E.8
- Hillaby, F.B. and D.T. Barrett. 1976. Vegetation communities of a Fraser River salt marsh. Fisheries and Oceans Canada, Pacific region, Tech. Rept. PAC/T-76-14.
KEYWORDS: Main Arm, plants, vascular plants, marsh plants.
REF. NO.: ...17 LOCATION: WPMB library CALL NO.: F1-EA.1
- Moody, A.I. none. Evaluation of vegetation communities of the Tsawwassen Indian Reserve salt marsh and an assessment of the proposed breakwater concept. AIM Ecological Consultants, for Associated Engineering (B.C.) Ltd., 22p.
KEYWORDS: Roberts Bank, plants, marsh plants, distribution, salt marsh.
REF. NO.: ...18 LOCATION: WPMB library CALL NO.: F124-DL.26
- Levy, D.A., T.G. Northcote, and R.M. Barr. 1982. Effects of estuarine log storage on juvenile salmon. Westwater Research Centre, UBC, Tech. Rept. 26.
KEYWORDS: North Arm, fish, salmon, distribution, water use, log storage.
REF. NO.: ...19 LOCATION: WPMB library CALL NO.: F1-EF.2
- Varzeliotis, A.N.T. 1974. River regime and sediment studies. Inland Waters Directorate, B.C. YT Reg., Water Planning Br., Environ. Canada, Fraser R. Upstream Storage Study. Task No. 58. 18p.
KEYWORDS: estuary, sediments, physical environment, sedimentation.
REF. NO.: ...20 LOCATION: WPMB library CALL NO.: F-A.3-5
- Book, A.N and R. Princic. 1975. Estimating flood damages in the Fraser River Basin. Inland Waters Directorate, Water Planning Branch, Dep. Environment for F.R. Advisory Bd., Fraser River Upstream Storage Study, 127p.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ...21 LOCATION: WPMB library CALL NO.: F-A.3-7
- Fraser River Ecology Committee. 1976. Ecological and other consequences of the proposed System E development in the Fraser River basin. Fraser River Upstream Storage Review, Canada-British Columbia Fraser River Joint Advisory Board, 295p.
KEYWORDS: estuary, physical environment, flooding, fish, salmon, water use.
REF. NO.: ...22 LOCATION: WPMB library CALL NO.: F-A.3-8

REFERENCES (listing continued):

- Howard Paish & Associates Ltd. 1973. An assessment of the environmental impact on fish, wildlife, and outdoor recreation of the proposed System E development. Rept. for B.C. Dep. Recreation and Conservation, 31p.
KEYWORDS: estuary, fish, birds, water use, recreational use.
REF. NO.: ...23 LOCATION: WPMB library CALL NO.: F-A.3-23
- Pearse Bowden Economic Consultants Ltd. 1973. Evaluation of the impact of the proposed System E dams on fish, wildlife, parks and outdoor recreation. Rept. for Fish, Wildlife and Parks Sector of the Ecology Committee, Fraser R. Bd., 99p + app.
KEYWORDS: estuary, water use, fish, birds, recreational use.
REF. NO.: ...24 LOCATION: WPMB library CALL NO.: F-A.3-28
- Wiley, K.C. 1984. Evaluation of Fraser River dredge spoil as a material to restore rearing habitat for juvenile Pacific salmon. Prep. by McLaren Plansearch for Transport Canada, 54p + app.
KEYWORDS: Main Arm, fish, water use, salmon, commercial use, dredging.
REF. NO.: ...26 LOCATION: MacLaren PlanS CALL NO.: K. Wiley
- Halladay, D.R. and R.D. Harris. 1972. A commitment to the future, a proposal for the protection and management of the Fraser wetlands. Fish and Wildl. Branch, Dept. Recreation and Conservation and Canadian Wildlife Service, Dept. Environment, 16p.
KEYWORDS: estuary, birds, water use, recreational use.
REF. NO.: ...27 LOCATION: WPMB library CALL NO.: F1-E.1
- Russell, L. and H. Paish. 1968. Waterfowl populations and outdoor recreational opportunity on the Fraser delta foreshores. B.C. Wildlife Federation, 59p.
KEYWORDS: estuary, birds, water use, recreational use.
REF. NO.: ...28 LOCATION: WPMB library CALL NO.: F1-E.9
- Envirocon Ltd. 1978. Don & Lion Islands marine terminal environmental impact study. Rept. for Rivtow Straits Limited, 116p + appendices. EA 1807.
KEYWORDS: Main Arm, physical environment, fish, plants, invertebrates, birds.
REF. NO.: ...29 LOCATION: WPMB library CALL NO.: F1-E1.5
- Fairbairn, B. and K. Peterson. 1975. Controlling sawlog debris in the lower Fraser River. Westwater Research Centre, UBC, Tech. Rept. No. 5, 35p.
KEYWORDS: estuary, water use, commercial use, log storage.
REF. NO.: ...30 LOCATION: WPMB library CALL NO.: F1-E.4
- Clark, E.M. 1965. 1964, 1948, and 1894 high-water profiles for the lower Fraser valley. Water Resources Branch, Dept. of Northern Affairs and Natural Resources, 15p+.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ...31 LOCATION: WPMB library CALL NO.: F1-H.2

REFERENCES (listing continued):

- Duncan, M.J. 1983. Benthic study of proposed Fraser River sand-storage site on south shore of Steveston Island, B.C. Chemical Tech. Div., B.C. Research, for Public Works Canada, Project Rept. No. 201-767, 11p.
KEYWORDS: Main Arm, invertebrates, physical environment, sediments, particle size.
REF. NO.: ...32 LOCATION: WPMB library CALL NO.: F1-EF.3
- Howard Paish & Associates. 1975. The Steveston Island harbour proposal: a preliminary environmental assessment. Rept. for Small Crafts Harbours Branch, Canada Dept. Environment, 78p.
KEYWORDS: Main Arm, physical environment, water use, recreational use, boating.
REF. NO.: ...33 LOCATION: WPMB impact CALL NO.: F1-EI.1
- Small Craft Harbours Branch, Pacific Region. 1976. Initial environmental evaluation of Steveston fishing harbour. Fisheries and Marine Service, Environment Canada, 50p + maps.
KEYWORDS: Main Arm, water use, water quality, plants, fish, recreational use.
REF. NO.: ...34 LOCATION: WPMB impact CALL NO.: F1-EI.2
- Bourque, S.C. and E.C.W. Adams. 1975. Environmental impact assessment, small craft harbour proposal at Ladner, B.C. The Corporation of Delta, Delta, B.C., 117p.
KEYWORDS: Main Arm, physical environment, sediments, water quality, plants, fish.
REF. NO.: ...35 LOCATION: WPMB impact CALL NO.: F1-EI.3
- Brown, S. 1979. Environmental impact assessment of proposed rod mill. Tree Island Steel Co. Ltd., 66p.
KEYWORDS: North Arm, physical environment, water use, fish, birds, commercial use.
REF. NO.: ...36 LOCATION: WPMB impact CALL NO.: F1-EI.6
- Envirocon Ltd. 1981. Environmental overview of a dredge spoil disposal site on Steveston Island. Rept. for Public Works Canada, EA 1886, 40p.+ appendices.
KEYWORDS: Main Arm, water use, plants, fish, birds, commercial use.
REF. NO.: ...37 LOCATION: WPMB library CALL NO.: F1-EI.8
- Envirocon Ltd. 1982. Assessment of two spoil disposal sites in the vicinity of Steveston Island. Rept. for Public Works Canada, EA 1896/WP 1000, 64p.+ appendices.
KEYWORDS: Main Arm, water use, plants, fish, birds, invertebrates.
REF. NO.: ...38 LOCATION: WPMB impact CALL NO.: F1-EI.9

REFERENCES (listing continued):

- Acres Consulting Services Limited. 1984. Fraser River, North Arm flow change impact study. Rept. for Public Works Canada, P7090.00.
KEYWORDS: North Arm, physical environment, sediments, plants, invertebrates, fish.
REF. NO.: ...39 LOCATION: WPMB impact CALL NO.: F1-EI.12
- MacLaren Plansearch. 1984. Discussion paper: ALRT Fraser River crossing. Rept. for B.C. Transit for workshop held 10 July, 1984, 110p.
KEYWORDS: Main Arm, physical environment, fish, birds, water use, salmon.
REF. NO.: ...40 LOCATION: WPMB impact CALL NO.: F1-EI.13
- MacLaren Plansearch. 1984. ALRT Fraser River crossing environmental report. Rapid Transit Project, B.C. Transit.
KEYWORDS: Main Arm, physical environment, fish, birds, water use, salmon.
REF. NO.: ...41 LOCATION: WPMB impact CALL NO.: F1-EI.13-1
- Hatfield Consultants Limited. 1985. Fraser Richmond terminal and industrial park development, Stage I Environmental management report. Rept. for Fraser River Harbour Commission.
KEYWORDS: Main Arm, water use, water quality, contaminant sources, commercial use, landfill leachates.
REF. NO.: ...42 LOCATION: WPMB impacts CALL NO.: F1-EI.14
- Ages, A. and A. Woollard. 1976. The tides in the Fraser estuary. Institute of Ocean Sciences, Pacific Marine Science Rept. 76-5, 100p.
KEYWORDS: estuary, physical environment, tides.
REF. NO.: ...43 LOCATION: WPMB library CALL NO.: F1-H.14
- Environment Canada. 1983. Fraser River model study: the application of a 1-dimensional hydrodynamic model to the lower Fraser River. Water Planning and Management Branch and Water Resources Branch in coop. with Water Resources Branch, 61p.
KEYWORDS: estuary, physical environment, discharge, modelling.
REF. NO.: ...44 LOCATION: WPMB library CALL NO.: F1-HF.11
- Western Canada Hydraulic Laboratories Ltd. 1978. An introduction to river mechanics and the lower Fraser River. Marine and Civil Engineering Section, Canada Dept. Public Works, Pacific Region, 72p.
KEYWORDS: estuary, physical environment, sediments, discharge.
REF. NO.: ...45 LOCATION: WPMB library CALL NO.: F1-HH.2
- Stanley, D.R. 1952. Preliminary report on a proposed pollution survey of the Fraser River watershed. Rept. prep. by Associated Engineering Services Ltd. for Dominion-Provincial Bd. Fraser River Basin, 14p+.
KEYWORDS: estuary, water quality, contaminant sources, sewage, industrial effluents.
REF. NO.: ...46 LOCATION: WPMB library CALL NO.: F2-HQ.5

REFERENCES (listing continued):

- Joy, C.S. 1975. Water quality models of the Lower Fraser River. Westwater Research Centre, Tech. Rept. 6, 52p.
KEYWORDS: estuary, physical environment, water quality, discharge, tides, modelling.
REF. NO.: ...47 LOCATION: WPMB library CALL NO.: F1-H.9
- B.C. Research. 1951. Survey of Fraser River water quality. Third progress report. B.C. Research, Report Z-CH-50-60, 11p.
KEYWORDS: Main Arm, water quality, nutrients, major ions, oxygen, pH.
REF. NO.: ...48 LOCATION: WPMB library CALL NO.: F2-HQ.4
- B.C. Research. 1951. Survey of Fraser River water quality. Second progress report. B.C. Research, Report Z-CH-50-60, 5p.
KEYWORDS: Main Arm, water quality, oxygen, pH, major ions, nutrients.
REF. NO.: ...49 LOCATION: WPMB library CALL NO.: F2-HQ.3
- B.C. Research. 1950. Survey of Fraser River water quality. First progress report. B.C. Research, Report Z-CH-50-60, 14p.
KEYWORDS: Main Arm, water quality, nutrients, pH, oxygen, major ions.
REF. NO.: ...50 LOCATION: WPMB library CALL NO.: F2-HQ.2
- Bowering, R., J.H. Doughty-Davies jr., and A.J. English. 1950. A preliminary survey of the industrial wastes in the Lower Fraser valley. Health Branch, Canada Dept. Health and Welfare, in cooperation with the Lower Fraser Pollution Committee, 5p.
KEYWORDS: estuary, contaminant sources, industrial effluents.
REF. NO.: ...51 LOCATION: WPMB library CALL NO.: F2-HQ.1
- Luttmerding, H.A. 1980. Soils of the Langley-Vancouver map area, vol. 1, soil map mosaic and legend, Lower Fraser valley. B.C. Ministry of the Environment, B.C. Soil Survey, Rept. No. 15, 6 volumes.
KEYWORDS: estuary, sediments.
REF. NO.: ...52 LOCATION: WPMB library CALL NO.: F1-SS.3
- Church, M., D. McLean, M. Mannerstrom, and D. Evans. 1984. Reference materials on sedimentation and morphology of the Lower Fraser River. Dept. of Geography, UBC, DSS contract 1 ST 83-00170, 243p.
KEYWORDS: estuary, sediments, physical environment, sedimentation, discharge.
REF. NO.: ...53 LOCATION: WPMB library CALL NO.: F1-HS.9
- Tywniuk, N. 1972. Sediment budget of the Lower Fraser River estuary. Prep. for the 13th International Conference on Coastal Engineering, Vancouver, B.C., July 10-14, 1972, 5p. + tables.
KEYWORDS: estuary, sediments, sedimentation, physical environment, discharge, tides.
REF. NO.: ...55 LOCATION: WPMB library CALL NO.: F1-HS.4

REFERENCES (listing continued):

Water Quality Branch. 1974. Selected water quality data on the Fraser River study - 1973. Inland Waters Directorate, Environment Canada, Water Quality Data Report, Ottawa.

KEYWORDS: estuary, water quality, physical environment, nutrients, fecal coliforms, trace metals.

REF. NO.: ...56 LOCATION: WPMB library CALL NO.: F1-HQ.1

Western Canada Hydraulic Laboratories Ltd. 1981. Final report on dredge spoil disposal at Steveston south jetty. Report No. 75039, for Public Works Canada, 16p.

KEYWORDS: Main Arm, water quality, turbidity, water use, dredging.

REF. NO.: ...57 LOCATION: WPMB impact CALL NO.: F1-HS.7

Slaymaker, O. and L.M. Lavkulich. 1978. A review of land use - water quality interrelationships and a proposed method for their study. Westwater Research Centre, UBC, Tech. Rept. 13, 59p.

KEYWORDS: Main Arm, contaminant sources, diffuse sources.

REF. NO.: ...58 LOCATION: WPMB impact CALL NO.: F1-HQ.2

Ministry of Transportation and Highways. 1983. Fisheries, habitat, and hydrological study: Annieville Channel bridge pier protection works. Interim report. B.C. Ministry of Transportation and Highways, Victoria, File L1-M127-545, 191p.

KEYWORDS: Main Arm, physical environment, currents, fish, salmon.

REF. NO.: ...59 LOCATION: WPMB library CALL NO.: F1-HH.6

Envirocon Ltd. 1976. Environmental overview assessment and guidelines for DPW Lower Fraser River channel training program. Draft report. Rept. EA 1801, for Public Works Canada, 138p.

KEYWORDS: estuary, physical environment, water quality, water use, fish, training walls.

REF. NO.: ...60 LOCATION: WPMB library CALL NO.: F4-EI.1-1

Envirocon Ltd. 1976. Lower Fraser River channel training program. Initial environmental evaluation. Rept. ER 1801, for Public Works Canada, 169p.

KEYWORDS: Main Arm, water quality, fish, birds, invertebrates, water use.

REF. NO.: ...61 LOCATION: WPMB library CALL NO.: F4-EI.1

Ecological Sub-Cte. for V.I.A. Plann. Comm. 1976. An environmental impact assessment of the Vancouver International Airport expansion proposals. A summary report. Ecological Sub-cte. for V.I.A. Planning Comm., Environ. Canada, Van., 91p.

KEYWORDS: Sturgeon Bank, water use, water quality, contaminant sources, commercial use, dredging.

REF. NO.: ...62 LOCATION: WPMB impact CALL NO.: F3-EI.1

REFERENCES (listing continued):

- Beak Consultants Ltd. 1978. EIS study recommendations: Proposed improvements to the Fraser River shipping channel. Rept. for Public Works Canada, File K4350, 41p.
KEYWORDS: Main Arm, water quality, sediments, invertebrates, fish, water use.
REF. NO.: ...63 LOCATION: WPMB impact CALL NO.: F4-EI.3
- Beak Consultants Ltd. 1981. Overview summary: Environmental impact study for proposed improvements to the Fraser River shipping channel. Rept. for Public Works Canada, Pacific Region.
KEYWORDS: Main Arm, water quality, sediments, invertebrates, fish, water use.
REF. NO.: ...64 LOCATION: WPMB impact CALL NO.: F4-EI.5
- Larry Wolfe Associates. 1982. A review of issues and concerns for environmental assessment of the amended Fraser River shipping channel proposal. Advisory report to the Fraser River Shipping Channel Environmental Assessment Panel, 88p.
KEYWORDS: Main Arm, water use, commercial use, shipping, recreational use, fish.
REF. NO.: ...65 LOCATION: WPMB impact CALL NO.: F4-EI.6
- Water Survey of Canada. 1975. Provisional data report for the lower Fraser River sediment survey 1975. Lower Fraser River Sediment Survey, Environment Canada.
KEYWORDS: estuary, sediments, physical environment, sediment load.
REF. NO.: ...66 LOCATION: WPMB library CALL NO.: F1-HS.5
- Levings, C.D. and J.-B. Coustalin. 1975. Zonation of intertidal biomass and related benthic data from Sturgeon and Roberts Banks, Fraser River estuary, British Columbia. Fisheries and Marine Service Tech. Rept. 468, 138p + figures.
KEYWORDS: estuary, invertebrates, benthos, distribution, abundance.
REF. NO.: ...67 LOCATION: WPMB library CALL NO.: 9.41
- Meyer, P.A. 1974. Recreational and preservation values associated with the salmon of the Fraser River. Environment Canada and Fisheries and Marine Service Information Rept. Series No. PAC/N-74-1, 49p.
KEYWORDS: estuary, fish, salmon, water use, recreational use, fishing.
REF. NO.: ...68 LOCATION: WPMB library CALL NO.: 9.27
- Levings, C.D. 1973. Sediments and abundance of *Lycodopsis pacifica* (Pisces, Zoarcidae) near Point Grey, B.C., with catch data for associated demersal fish. Fisheries Res. Bd. Canada Tech. Rept. No. 393, 15p.
KEYWORDS: Sturgeon Bank, sediments, invertebrates, benthos, fish.
REF. NO.: ...69 LOCATION: WPMB library CALL NO.: 9.24

REFERENCES (listing continued):

- Hurley, D.A. and W.L. Woodall. 1968. Responses of young pink salmon to vertical temperature and salinity gradients. *Internat. Pacific Salmon Fish. Comm. Progr. Rept. No. 19*, 80p.
KEYWORDS: estuary, fish, salmon, physical environment, salinity, temperature.
REF. NO.: ...71 LOCATION: WPMB library CALL NO.: 9.4
- Hoos, L.M. and G.A. Packman. 1974. The Fraser River estuary - status of environmental knowledge to 1974. *Estuary Working Group, Environment Canada, Special Estuary Series No. 1*, 518p.
KEYWORDS: estuary, contaminant sources, water quality, physical environment, fish, birds.
REF. NO.: ...72 LOCATION: WPMB library CALL NO.: F5-E.1
- Harrison, P.G. 1982. Control of microbial growth and of amphipod grazing by water-soluble compounds from leaves of *Zostera marina*. *Marine Biology* 67:225-230.
KEYWORDS: Roberts Bank, invertebrates, bacteria, plants, benthos, vascular plants.
REF. NO.: ...73 LOCATION: new CALL NO.: new
- Harvey, C., K. Melliship, and N.C. Toner. 1982. Fraser River Estuary Study, Phase II: Results of public involvement program. *Environment Canada, Vancouver*, 76p.
KEYWORDS: estuary.
REF. NO.: ...74 LOCATION: WPMB library CALL NO.: F5-H.3-1
- Fraser River Estuary Study Steering Committee. 1978. Fraser River Estuary Study. Summary Report. Fraser River Estuary Study, Environment and Land Use Committee Secretariat, Victoria, 145p.
KEYWORDS: estuary, water quality, water use, sediments, recreational use, commercial use.
REF. NO.: ...75 LOCATION: WPMB impact CALL NO.: F5-E.2-2
- Fraser River Estuary Study Planning Comm. 1982. A living river by the door. A proposed management program for the Fraser river estuary. Fraser River Estuary Study, Phase 2. Fraser River Estuary Study, MOE, Victoria, 64p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ...76 LOCATION: WPMB library CALL NO.: F5-H.3
- Garrett, C.L. 1980. Fraser River Estuary Study: water quality. Toxic organic contaminants. Fraser River Estuary Study, Ministry of Environment and Environment Canada, Vancouver, 125p.
KEYWORDS: estuary, water quality, trace organics, sediments, fish, pesticides.
REF. NO.: ...77 LOCATION: WPMB library CALL NO.: F5-HQ.1-3

REFERENCES (listing continued):

- Churchland, L.M. 1980. Fraser River Estuary Study:water quality. Microbial water quality, 1970 - 1977. Fraser River Estuary Study, Vancouver, 144p.
KEYWORDS: estuary, water quality, bacteria, contaminant sources, sewage, fecal coliforms.
REF. NO.: ...78 LOCATION: WPMB impact CALL NO.: F5-HQ.1-2
- Ferguson, K.D. and K.J. Hall. 1979. Fraser River Estuary Study:water quality. Stormwater discharges. Fraser River Estuary Study, Ministry of Environment, Victoria, 197p.
KEYWORDS: estuary, water quality, stormwater discharges, effluent quality.
REF. NO.: ...79 LOCATION: WPMB library CALL NO.: F5-HQ.1-1
- Fraser River Estuary Study. 1982. Fraser River Estuary Study. Report of the area designation task force, vols. 1 and 2. Fraser River Estuary Study, Technical background report - phase II, Ministry of Environment, Surrey, 264p. + unpaginated volume.
KEYWORDS: estuary, contaminant sources, water quality, sediments, plants, invertebrates.
REF. NO.: ...80 LOCATION: WQB library CALL NO.: 808 A1360
- Harris, R.D. and E.W. Taylor. 1973. Human impact on estuarine habitat. Canadian Wildlife Service, Background paper for DOE coastal zone seminar, Bedford Inst., Dartmouth, N.S., March 21-23, 1972, 16p.
KEYWORDS: estuary, contaminant sources, sewage, water use, recreational use, commercial use.
REF. NO.: ...81 LOCATION: WPMB library CALL NO.: 31/D.3
- Annacis Island Sewage Treatment Study. 1976. Annacis Island sewage treatment study. Report of the technical committee to the steering committee. Draft. Annacis Island Sewage Treatment Study, 38p.
KEYWORDS: Main Arm, water quality, sewage, effluent quality, fecal coliforms, trace metals.
REF. NO.: ...82 LOCATION: WPMB library CALL NO.: 34.26
- Taylor, E.W. 1970. Wildlife and recreation in Boundary Bay. A review of the wildlife and recreational potential of Boundary Bay, British Columbia. Canadian Wildlife Service, Vancouver, 51p.
KEYWORDS: Boundary Bay, water use, birds, recreational use, fishing.
REF. NO.: ...83 LOCATION: WPMB library CALL NO.: SG-E.5
- C.B.A. Engineering Ltd. 1958. An introductory study for the development of the tidal sections of the Fraser River. Rept., for the New Westminster Harbour Commissioners, Vancouver, 144p. + appendices.
KEYWORDS: estuary, physical environment, tides.
REF. NO.: ...84 LOCATION: WPMB library CALL NO.: 26.17

REFERENCES (listing continued):

- Pretious, E.S. 1969. The sediment load of the Lower Fraser River, B.C. Dept. of Civil Engineering, UBC, 27p.
KEYWORDS: estuary, sediments, water quality, sediment load.
REF. NO.: ...85 LOCATION: WPMB library CALL NO.: 17.23
- Water Survey of Canada. 1973. Hydrologic data on selected estuarine rivers. Inland Waters Directorate, Environment Canada, Vancouver, 53p.
KEYWORDS: physical environment, discharge, temperature, sediment load.
REF. NO.: ...86 LOCATION: WPMB library CALL NO.: 21.109
- Mathews, W.H. and F.P. Shepard. 1962. Sedimentation of Fraser River delta, British Columbia. Bull. Amer. Assoc. Petroleum Geologists 46: 1416-1443.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ...87 LOCATION: WPMB library CALL NO.: 18.5
- E.V.S. Consultants Ltd. 1982. Environmental evaluation of the Tsawwassen salt marsh in relation to flood control dyking. Rept. 148-1, for Indian and Northern Affairs Canada, Vancouver, 21p.
KEYWORDS: Roberts Bank, biota, plants, vascular plants, marsh plants, fish.
REF. NO.: ...88 LOCATION: WPMB library CALL NO.: F124-EI.2
- Dorcey, A.H.J., K.J. Hall, D.A. Levy, and I. Yesaki. 1983. Estuarine habitat management: a prospectus for Tilbury Slough. Westwater Research Centre, UBC, 62p.
KEYWORDS: Main Arm, fish, birds, invertebrates, management.
REF. NO.: ...89 LOCATION: WPMB library CALL NO.: F124-EF.1
- Fraser River Estuary Study Steering Committee. 1978. Fraser River Estuary Study. Key findings and recommendations. Summary proposals for develop. estuary mgmt. plan. Fraser River Estuary Study, Ministry of Environment, Victoria, 22p.
KEYWORDS: estuary, water use, recreational use, land use.
REF. NO.: ...90 LOCATION: WPMB F5-E.2-1 CALL NO.: WQB 501
- Fisheries and Environment Canada. 1977. Tilbury Slough Dyking. An interagency report. Fisheries and Environment Canada, B.C. Ministries of Environment and Recreation and Conservation, Corp. of Delta, 49p. + append.
KEYWORDS: Main Arm, water quality, fish, salmon, birds.
REF. NO.: ...91 LOCATION: WPMB library CALL NO.: F124-DL.19
- Neumeyer, R.N. and V.G. Bartnik. 1981. Tilbury Slough dyke reconstruction project. Construction and post construction environmental impact assessment. Inland Water Directorate, Environment Canada, Vancouver, 31p.
KEYWORDS: Main Arm, water quality, physical environment, flooding.
REF. NO.: ...92 LOCATION: WPMB library CALL NO.: F124-EI.1

REFERENCES (listing continued):

- Fraser River Flood Control Program. 1985. Tsawwassen I. R. - collected environmental reports and approvals. Water Planning Branch, Inland Waters Directorate, Environment Canada, Vancouver, file F124-DL.26.
KEYWORDS: Roberts Bank, plants, vascular plants.
REF. NO.: ...93 LOCATION: WPMB library CALL NO.: F124-DL.26
- Franson, M.A. 1973. Environmental quality in Greater Vancouver. Rept. for Planning Dept., Greater Vancouver Regional District, 39p.
KEYWORDS: estuary, water quality, contaminant sources, sewage, quantity.
REF. NO.: ...94 LOCATION: WPMB library CALL NO.: GV-E.2
- Bawden, C.A., W.A. Heath, and A.B. Norton. 1973. A preliminary baseline study of Roberts and Sturgeon Banks. Westwater Research Centre, UBC, Tech. Rept. 1, 54p.
KEYWORDS: estuary, plants, sediments, water quality, trace metals, trace organics.
REF. NO.: ...95 LOCATION: WQB library CALL NO.: 808 A164
- Kistritz, R.U. 1978. An ecological evaluation of Fraser estuary tidal marshes: the role of detritus and the cycling of elements. Westwater Research Centre, UBC, Tech. Rept. 15, 59p.
KEYWORDS: estuary, plants, algae, vascular plants, nutrients.
REF. NO.: ...96 LOCATION: WQB library CALL NO.: 606 A1201
- Kistritz, R.U. and I. Yesaki. 1979. Primary production, detritus flux, and nutrient cycling in a sedge marsh, Fraser River estuary. Westwater Research Centre, UBC, Tech. Rept. 17, 53p.
KEYWORDS: Main Arm, plants, algae, vascular plants, tissue analysis, nutrients.
REF. NO.: ...97 LOCATION: WQB library CALL NO.: 808 A1372
- Westwater Research Centre. 1979. The status of Fraser estuary research, 1979. Westwater Research Centre, UBC, Workshop proceedings, 14p.
KEYWORDS: estuary, physical environment, sediments, water quality, fish, invertebrates.
REF. NO.: ...98 LOCATION: WQB library CALL NO.: 0808 A1359
- Fraser River Estuary Study. 1978. Fraser River Estuary Study: water quality. Interim report of the water quality work group. Fraser River Estuary Study, Ministry of Environment, Victoria, 86p.
KEYWORDS: estuary, water quality.
REF. NO.: ...99 LOCATION: WQB library CALL NO.: 0808 A1289
- Fraser River Estuary Study. 1979. Fraser River Estuary Study: water quality. Summary report of the water quality work group. Fraser River Estuary Study, Ministry of Environment, Victoria, 176p.
KEYWORDS: estuary, water quality, contaminant sources, sewage, trace metals.
REF. NO.: ...100 LOCATION: WQB library CALL NO.: none

REFERENCES (listing continued):

- Cain, R.T. and L.G. Swain. 1980. Fraser River Estuary Study:water quality. Municipal effluents. Fraser River Estuary Study, Ministry of Environment, Victoria, 101p.
KEYWORDS: estuary, contaminant sources, water quality, sewage.
REF. NO.: ..101 LOCATION: WQB library CALL NO.: 1302.2
- Swain, L.G. 1980. Fraser River Estuary Study:water quality. Industrial effluents. Fraser River Estuary Study, Ministry of Environment, Victoria, 195p.
KEYWORDS: estuary, water quality, contaminant sources, industrial effluents, trace metals.
REF. NO.: ..102 LOCATION: WQB library CALL NO.: 1302.2
- Atwater, J.W. 1980. Fraser River Estuary Study:water quality. Impacts of landfills. Fraser River Estuary Study, Ministry of Environment, Victoria, 285p.
KEYWORDS: estuary, contaminant sources, water quality, landfill leachates, oxygen.
REF. NO.: ..103 LOCATION: WQB library CALL NO.: 1302.2
- Singleton, H.J. 1980. Fraser River Estuary Study:water quality. Acute toxicity of effluents. Fraser River Estuary Study, Ministry of Environment, Victoria, 91p.
KEYWORDS: estuary, water quality, contaminant sources, sewage, landfill leachates, stormwater discharges.
REF. NO.: ..104 LOCATION: WQB library CALL NO.: 1302.2
- Stancil, D.E. 1980. Fraser River Estuary Study:water quality. Aquatic biota and sediments. Fraser River Estuary Study, Ministry of Environment, Victoria, 187p.
KEYWORDS: estuary, water quality, sediments, plants, invertebrates, fish.
REF. NO.: ..105 LOCATION: WQB library CALL NO.: 603
- Swain, L.G. and L.J. Alexander. 1981. Fraser River Estuary Study: water quality. Boundary Bay. Fraser River Estuary Study, Ministry of Environment, Victoria, 55p.
KEYWORDS: Boundary Bay, water quality, contaminant sources, sewage, industrial effluents, stormwater discharges.
REF. NO.: ..106 LOCATION: WQB library CALL NO.: 808 A1677
- Clark, M.J.R. 1978. Graphical review of Fraser River water quality monitoring, 1970 - 75. Rept. 78-3, Pollution Control Branch, Ministry of Environment, Victoria, 79p.
KEYWORDS: estuary, water quality, trace metals, nutrients, major ions, oxygen.
REF. NO.: ..107 LOCATION: WQB lib 13202.1 CALL NO.: A1226

REFERENCES (listing continued):

- B.C. Research. 1972. Water movement studies in the south arm of the Fraser River. Project Rept. 1462, for the Greater Vancouver Sewerage and Drainage District, 20p.
KEYWORDS: Main Arm, water quality, physical environment, sewage, tides.
REF. NO.: ..108 LOCATION: WQB library CALL NO.: 808.3 A986
- B.C. Research. 1971. Water quality survey of the Lower Fraser River. Rept. for B.C. Energy Board, 150p + tables.
KEYWORDS: estuary, sediments, water quality, physical environment, trace metals, nutrients.
REF. NO.: ..109 LOCATION: WQB library CALL NO.: 0806 A143
- B.C. Research. 1973. Water quality studies in the Lower Fraser River. Annual Rept. project 1462, for the Greater Vancouver Sewerage and Drainage District, 16p. + tables.
KEYWORDS: estuary, water quality, sediments, physical environment, temperature, salinity.
REF. NO.: ..110 LOCATION: WQB lib 1302.1 CALL NO.: A982
- B.C. Research. 1973. Environmental studies at Iona Island. Project Rept. for the Greater Vancouver Sewerage and Drainage District, 52p. + tables.
KEYWORDS: Sturgeon Bank, physical environment, sediments, bacteria, invertebrates, plants.
REF. NO.: ..111 LOCATION: WQB library CALL NO.: 606 A981
- B.C. Research. 1974. Water quality and water movement of the Fraser River near Annacis Island. Rept., for the Greater Vancouver Sewerage and Drainage District, 62p.
KEYWORDS: Main Arm, water quality, physical environment, sewage, tides.
REF. NO.: ..112 LOCATION: WQB library CALL NO.: 808.3 A985
- B.C. Research. 1975. Annacis Island outfall dilution study. Project Rept.#4, Project 1524, for the Greater Vancouver Sewerage and Drainage District, 71p.
KEYWORDS: Main Arm, water quality, physical environment, sewage, discharge, modelling.
REF. NO.: ..113 LOCATION: WQB lib 1302.2 CALL NO.: A984
- B.C. Research. 1975. Environmental studies at Iona Island. Project Rept.#2, Project 1511/2, for the Greater Vancouver Sewerage and Drainage District, 162p.
KEYWORDS: Sturgeon Bank, water quality, invertebrates, sediments, plants, physical environment.
REF. NO.: ..114 LOCATION: WQB library CALL NO.: 606 A983

REFERENCES (listing continued):

- B.C. Research. 1976. Water quality and movement in the Fraser River near Annacis Island. Rept., for the Greater Vancouver Sewerage and Drainage District, 98p.
KEYWORDS: Main Arm, water quality, physical environment, sewage, tides, discharge.
REF. NO.: ..115 LOCATION: WQB library CALL NO.: 808.3 A985
- Whitfield, P.H. and H. Schreier. 1981. Hysteresis in relationships between discharge and water chemistry in the Fraser river basin, British Columbia. *Limnol. Oceanogr.* 26: 1179-1182.
KEYWORDS: estuary, physical environment, discharge, water quality, nutrients.
REF. NO.: ..116 LOCATION: WQB library CALL NO.: reprint
- Brox, G.H. 1976. Water quality in the Lower Fraser River basin: a method to estimate the effects of pollution on the size of a salmon run. M.A.Sc. thesis, Dept. of Civil Engineering, UBC, 101p.
KEYWORDS: estuary, water quality, fish, salmon.
REF. NO.: ..117 LOCATION: WQB library CALL NO.: 603 A634
- Rogers, I.H. 1980. Identification by GC-MS analyses of halogenated organics and PCB's in tissues of Fraser River estuary aquatic organisms. Regional environmental contaminants seminar - proceedings. EPS, Environment Canada, Vancouver, p.12-13.
KEYWORDS: estuary, fish, bioaccumulation, PCB's, trace organics.
REF. NO.: ..118 LOCATION: WQB library CALL NO.: 1810
- Vigers, G.A. and A.W. Maynard. 1980. Monitoring environmental contamination from chlorophenol contaminated wastes generated in the wood preservation industry. Proc. Regional Environmental Contaminants Seminar:15-16. EPS, Environ. Canada, Van.
KEYWORDS: estuary, contaminant sources, water quality, trace organics, water use, commercial use.
REF. NO.: ..119 LOCATION: WQB library CALL NO.: 1810
- Cain, R.T., M.J.R. Clark, and N.R. Zorkin. 1980. Fraser River Estuary Study: water quality. Trace organic constituents in discharges. Fraser River Estuary Study, Ministry of Environment, Victoria, 56p.
KEYWORDS: estuary, contaminant sources, water quality, sewage, trace organics, chlorinated hydrocarbons.
REF. NO.: ..120 LOCATION: WQB lib 1302.2 CALL NO.: A1560
- Martens, D.W. and J.A. Servizi. 1974. Acute toxicity of municipal sewage to fingerling sockeye salmon. *Internat. Pacific Salmon Fish. Comm. Prog. Rept.* 29, 18p.
KEYWORDS: estuary, water quality, fish, sewage, salmon, bioassay.
REF. NO.: ..121 LOCATION: WQB library CALL NO.: 1302.2

REFERENCES (listing continued):

Ferguson, K.D. and B.H. Kay. 1978. Shellfish growing water sanitary survey of Semiahmoo Bay and selected areas of Boundary Bay. EPS, Environment Canada, Vancouver, Regional program rept. 78-11, 100p.
KEYWORDS: Boundary Bay, invertebrates, bacteria, water quality, shellfish.
REF. NO.: ..122 LOCATION: WQB library CALL NO.: 1302.2

E.L.U.C. Secretariat. 1976. Annacis Island sewage treatment study. Environment and Land Use Committee, Victoria, 24p.
KEYWORDS: Main Arm, contaminant sources, sewage, water quality, trace metals, trace organics.
REF. NO.: ..123 LOCATION: WQB lib 1302.2 CALL NO.: A1093

Birtwell, I. 1984. The discharge of sewage from the Iona Island sewage treatment plant: the concern. Proceedings of the workshop on municipal marine discharge, EPS, Environment Canada, Vancouver, 3p..
KEYWORDS: Sturgeon Bank, fish, salmon, water quality, oxygen.
REF. NO.: ..124 LOCATION: WQB library CALL NO.: 1302.2 EPS

Tevendale, T.J. 1984. Rationale for selection of a deep sea outfall to serve the Iona Island sewage treatment plant. Proceedings of the workshop on municipal marine discharge, EPS, Environment Canada, Vancouver, 44p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality, effluent quantity, dispersion.
REF. NO.: ..125 LOCATION: WQB library CALL NO.: 1302.2 EPS

Rogers, I.H. 1984. Organic chemicals in sewage from the Iona Island treatment plant. Proceedings of the workshop on municipal marine discharge, EPS, Environment Canada, Vancouver, 6p.
KEYWORDS: Sturgeon Bank, fish, salmon, bioaccumulation, sewage, effluent quality.
REF. NO.: ..126 LOCATION: WQB library CALL NO.: 1302.2 EPS

Kruzynski, G.M. 1984. Studies on chinook (*Oncorhynchus tshawytscha*) salmon and municipal wastewater from the Iona Island treatment plant. Proceedings of the workshop on municipal marine discharge, EPS, Environment Canada, Vancouver, 1p.
KEYWORDS: Sturgeon Bank, fish, salmon, sublethal effects, bioassay, fish pathogens.
REF. NO.: ..127 LOCATION: WQB library CALL NO.: 1302.2 EPS

Michnowsky, E., L.M. Churchland, P.A. Thomson, P. Whitfield. 1982. Changes in extractable metal concentrations during storage of surface water samples containing sediments. Water Resources Bulletin 18:129-132.
KEYWORDS: Main Arm, water quality, trace metals, techniques.
REF. NO.: ..128 LOCATION: WQB library CALL NO.: reprint

REFERENCES (listing continued):

- Churchland, L.M., G. Kan, and A. Ages. 1982. Variation in fecal pollution indicators through tidal cycles in the Fraser River estuary. *Can. J. Microbiol.* 28:239-247.
KEYWORDS: estuary, bacteria, fecal coliforms.
REF. NO.: ..129 LOCATION: WQB library CALL NO.: reprint
- Whitfield, P.H. and J.W. McKinley. 1981. Some factors affecting the determination of particulate carbon and nitrogen in river water. *Water Resources Bulletin* 17:381-386.
KEYWORDS: North Arm, water quality, nutrients, nitrogen, carbon, variability.
REF. NO.: ..130 LOCATION: WQB library CALL NO.: reprint
- Chapman, P.M., L.M. Churchland, P.A. Thomson, E. Michnowsky. 1980. Heavy metal studies with oligochaetes. In: R.O. Brinkhurst and D.G. Cook (eds.), *Aquatic Oligochaete Biology*:477-502. Plenum Publishing Corp., New York.
KEYWORDS: North Arm, invertebrates, oligochaetes, bioaccumulation, trace metals, time series.
REF. NO.: ..131 LOCATION: WQB library CALL NO.: reprint
- Churchland, L.M. and R.W. Gordon. 1978. Isolation of *Flexibacter columnaris* from Fraser River water and sediments. *Internat. Pacific Salmon Fish. Comm. Data Rept.*, 13p.
KEYWORDS: estuary, bacteria, fish pathogens, sediments.
REF. NO.: ..132 LOCATION: WQB library CALL NO.: reprint
- Chapman, P.M. et al. 1979. Tubificid oligochaetes as monitors of heavy metal pollution. *Proc. 5th Ann. Aquatic Toxicity Workshop*, Hamilton Ont., Nov. 7-9, 1978. *Fish. Mar. Service Tech. Rept.* 862, pp.278-294.
KEYWORDS: North Arm, invertebrates, oligochaetes, bioaccumulation, trace metals, benthos.
REF. NO.: ..133 LOCATION: WQB library CALL NO.: reprint
- Chapman, P.M., L.M. Churchland, P.A. Thomson, E. Michnowsky. none. Heavy metals in sediments and benthic organisms in the Lower Fraser River, B.C. An interim report. Unpublished report, Inland Waters Directorate, Vancouver, 34p + tables.
KEYWORDS: North Arm, invertebrates, oligochaetes, trace metals, bioaccumulation, sediments.
REF. NO.: ..134 LOCATION: WQB library CALL NO.: none
- Clark, M.J.R. and P.A. Peppin. 1984. A trend study of water quality in British Columbia. Waste Management Branch, Ministry of Environment, Victoria, 75p.
KEYWORDS: North Arm, bacteria, fecal coliforms, water quality, trace metals, nutrients.
REF. NO.: ..135 LOCATION: WQB library CALL NO.: none

REFERENCES (listing continued):

- Krahn, P.K., K.W. Hui, and J.R. Walker. 1980. Fraser River Estuary Study: water quality. Site registry of storm water outfalls. Parts 1 and 2. Fraser River Estuary Study, Ministry of Environment, Victoria, 205p.
KEYWORDS: estuary, contaminant sources, stormwater discharges, industrial effluents, pH.
REF. NO.: ..136 LOCATION: WQB library CALL NO.: 1302.2 1&2
- Servizi, J.A. and D.W. Martens. 1976. Disinfection, dechlorination, and toxicity to fish. Proceedings of the Annual Conference of the American Water Works Assoc., Toronto, Ontario, April 20-23, 1975, pp.34-44.
KEYWORDS: Main Arm, contaminant sources, sewage, toxicity, salmon, chlorine.
REF. NO.: ..137 LOCATION: WQB lib 1302.2 CALL NO.: A691
- Clark, M.J.R. 1978. A trend study of air and water quality in British Columbia. Pollution Control Branch, Ministry of Environment, Victoria, 52p.
KEYWORDS: North Arm, water quality, trace metals, bacteria, fecal coliforms, time series.
REF. NO.: ..138 LOCATION: WQB library CALL NO.: 1302.1
- Rusch, W.C. 1972. A computer simulation of fecal coliforms in the Fraser River estuary. M.A.Sc. thesis, Dept. of Civil Engineering, UBC, 65p.
KEYWORDS: Main Arm, bacteria, fecal coliforms, modelling.
REF. NO.: ..139 LOCATION: WQB library CALL NO.: 603 A1371
- Water Quality Management Section. 1971. Task force on environmental problems of the Lower Fraser River and Strait of Georgia. A collection of reports submitted to the task force. Dept. of Forestry and Fisheries, Unpublished report.
KEYWORDS: estuary, contaminant sources.
REF. NO.: ..140 LOCATION: WQB library CALL NO.: 808 A118
- Daley, R.J. and C.B.J. Gray. 1975. A limnological reconnaissance of Ewen Slough, Reifel Island wildlife sanctuary, Delta, B.C. Canada Centre for Inland Waters, West Vancouver, Rept. for Canadian Wildlife Service, 7p.
KEYWORDS: Main Arm, water quality, major ions, nutrients, bacteria.
REF. NO.: ..141 LOCATION: WQB library CALL NO.: 808 670
- Clark, M.J.R. et al. 1980. A preliminary study of water quality in the Fraser River and its tributaries. Rept. No. 80-12, Waste Management Branch, Ministry of Environment, Victoria, 301p.
KEYWORDS: estuary, water quality, major ions, nutrients, trace metals, time series.
REF. NO.: ..142 LOCATION: WQB library CALL NO.: 808 1669

REFERENCES (listing continued):

- Waldichuk, M. 1976. Estuarine monitoring: Fraser River. Seminar Proceedings, "Monitoring for environmental protection", Environment Canada, EPS-8-PR-76-2, 18p.
KEYWORDS: estuary, invertebrates, abundance.
REF. NO.: ..143 LOCATION: WQB library CALL NO.: none
- Garrett, C.L. 1976. Environmental contamination by polychlorinated biphenyls (PCB's) in British Columbia. A summary of current data, 1976. Environmental Impact Rept. EPS 8-PR-76-3, EPS Pac. Reg., Environment Canada, Vancouver, 74p.
KEYWORDS: estuary, fish, invertebrates, birds, PCB's, bioaccumulation.
REF. NO.: ..144 LOCATION: WQB lib 1302.2 CALL NO.: A855
- Higgs, T.W. 1977. A study of municipal wastewater toxicity, Mission pollution control centre, July, 1976. Environmental Protection Service, Environment Canada, Ms. Rept. 77-8, 35p.
KEYWORDS: Main Stem, contaminant sources, sewage, effluent quality, fish, bioassay.
REF. NO.: ..145 LOCATION: WQB lib 1302.2 CALL NO.: A1095
- Higgs, T.W. 1977. A study of municipal wastewater toxicity, Annacis Island sewage treatment plant, October, 1976. Environmental Protection Service, Vancouver, Ms. Rept. 77-3, 46p.
KEYWORDS: Main Arm, contaminant sources, sewage, effluent quality, bioassay, chlorine.
REF. NO.: ..146 LOCATION: WQB lib 1302.2 CALL NO.: A977
- Higgs, T.W. 1977. A study of municipal wastewater toxicity, Iona Island sewage treatment plant, August, 1976. Environmental Protection Service Ms. Rept. 77-11, 54p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality, bioassay, chlorine.
REF. NO.: ..147 LOCATION: WQB lib 1302.2 CALL NO.: A977 A1169
- Higgs, T.W. 1977. Municipal wastewater toxicity program summary, Pacific region. Environmental Protection Service, Ms. Rept. 77-13, 47p.
KEYWORDS: estuary, contaminant sources, sewage, toxicity, fish, bioassay.
REF. NO.: ..148 LOCATION: WQB lib 1302.2 CALL NO.: A1171
- Andrew, F.J. and G.H. Geen. 1960. Sockeye and pink salmon production in relation to proposed dams on the Fraser River system. Int. Pac. Salmon Fish. Comm. Bull. 11, 259p.
KEYWORDS: estuary, physical environment, water quality, fish, salmon, temperature.
REF. NO.: ..149 LOCATION: new CALL NO.: new
- Sherbin, I.G. 1979. Mercury in the Canadian environment. Environmental Protection Service, Rept. EPS 3-EC-79-6, 359p.
KEYWORDS: estuary, sewage, sediments, water quality, fish, mercury.
REF. NO.: ..150 LOCATION: WQB lib 1302.2 CALL NO.: A1266

REFERENCES (listing continued):

- Inland Waters Directorate. 1974. Water quality data. British Columbia 1961-71. Water Quality Branch, I.W.D., Ottawa, unpaginated.
KEYWORDS: estuary, water quality, major ions, nutrients, trace metals.
REF. NO.: ..151 LOCATION: WQB lib 1302.2 CALL NO.: A823
- Water Survey of Canada. 1985. Surface water data. British Columbia 1984 (also 1965 - 1984). Water Resources Branch, I.W.D., Ottawa, 346p.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..152 LOCATION: WQB library CALL NO.: 808
- Hagen, M.E. 1984. B.C. estuarine information catalogue. Vol. 2. Lower mainland and Sunshine coast. Lands Directorate, Environment Canada.
KEYWORDS: estuary, bibliography, remote sensing.
REF. NO.: ..153 LOCATION: Dir Gen Environ CALL NO.: M. Dunn
- Fraser River Estuary Management Program Review Committee. 1984. An implementation strategy for the Fraser River estuary management program. Environment Canada, B.C. Ministry of Environment, C1980. IV, 45p.
KEYWORDS: estuary, water quality, fish, birds, water use, time series.
REF. NO.: ..154 LOCATION: new CALL NO.: new
- Still, G.W.. 1979. Effects of land use on the water quality of Ladner Slough. M.Sc. thesis, Dep. Soil Sci., UBC, 191p..
KEYWORDS: Main Arm, water use, sediments, water quality, trace metals, nutrients.
REF. NO.: ..155 LOCATION: Soil Sci, UBC CALL NO.: none
- Koch, F.A. 1976. Lower Fraser River/estuary dissolved oxygen dynamics. M.Sc. thesis, Dep. Civil Eng., UBC, 152p..
KEYWORDS: estuary, physical environment, water quality, tides, oxygen, modelling.
REF. NO.: ..156 LOCATION: new CALL NO.: new
- Mesa, K.A. 1985. Influence of temperature, salinity, and dissolved oxygen on juvenile salmon. M.Sc. thesis, Dep. Zoology, UBC, 136p.
KEYWORDS: Sturgeon Bank, fish, water quality, physical environment, salmon, sewage.
REF. NO.: ..157 LOCATION: Ecology RR, UBC CALL NO.: thesis
- Dunford, W.E. 1975. Space and food utilization by salmonids in marsh habitats of the Fraser River estuary. M.Sc. thesis, Dept. Zoology, UBC, 81p.
KEYWORDS: estuary, fish, salmon, feeding, distribution.
REF. NO.: ..158 LOCATION: Ecology RR, UBC CALL NO.: thesis

REFERENCES (listing continued):

- Bradfield, G.E. and G.L. Porter. 1982. Vegetation structure and diversity components of a Fraser estuary tidal marsh. *Can. J. Bot.* 60(4):440-451.
KEYWORDS: Main Arm, plants, vascular plants, distribution.
REF. NO.: ..159 LOCATION: new CALL NO.: new
- Tompkins, A. prog. Role of predation in structuring fish communities. Ph.D. thesis, Dept. Zoology, UBC.
KEYWORDS: estuary, fish, salmon, feeding, predation.
REF. NO.: ..160 LOCATION: Zoology, UBC CALL NO.: none
- Northcote, T.G., C. Magnhagen and R. Gregory. prog. Microdistributional and feeding interactions between three species of juvenile Pacific salmon cohabiting intertidal marsh channels of the Fraser River estuary. Dep. Zoology, UBC.
KEYWORDS: estuary, fish, salmon, feeding, distribution.
REF. NO.: ..161 LOCATION: Zoology, UBC CALL NO.: none
- Cooper, A.C. 1980. Industrial development is one of many threats. *Western Fish.* 99(4):52,54-55,57,70.
KEYWORDS: estuary, physical environment, fish, temperature, salmon, management.
REF. NO.: ..162 LOCATION: new CALL NO.: new
- Wells, M.L., N.G. Zorkin, and A.G. Lewis. 1983. The role of colloid chemistry in providing a source of iron to phytoplankton. *J. Mar. Res.* 41:731-746.
KEYWORDS: estuary, plants, algae, trace metals.
REF. NO.: ..163 LOCATION: new CALL NO.: new
- Wells, M.L. 1982. The role of colloids in providing a source of iron to phytoplankton. M.Sc. thesis, Dep. Oceanogr. and Zoology, UBC, 116p.
KEYWORDS: estuary, plants, algae, trace metals.
REF. NO.: ..164 LOCATION: Lewis UBC CALL NO.: none
- Porter, G.L. 1982. Vegetation-environment relationships in the tidal marshes of the Fraser River delta, British Columbia. M.Sc. thesis, Dep. Botany, UBC, 143p.
KEYWORDS: estuary, plants, vascular plants, distribution.
REF. NO.: ..165 LOCATION: Bradfield UBC CALL NO.: none
- Gee, J.H. and T.G. Northcote. 1963. Comparative ecology of two sympatric species of dace (*Rhinichthys*) in the Fraser River system, British Columbia. *J. Fish. Res. Board Can.* 20(1):105-118.
KEYWORDS: estuary, fish, distribution, feeding.
REF. NO.: ..166 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Levy, D.A. and T.G. Northcote. 1982. Juvenile salmon residency in a marsh area of the Fraser River estuary. *Can. J. Fish. Aquat. Sci.* 39(2):270-276.
KEYWORDS: Main Arm, fish, salmon, distribution.
REF. NO.: ..167 LOCATION: new CALL NO.: new
- Levy, D.A. 1980. Salmon and the Fraser estuary. In: R. Lorimer and S.E. McMullin (eds.) *Canada and the Sea. I. Resources of the Marine Environment, Canadian Iss.* 3(1):43-47.
KEYWORDS: estuary, fish, salmon, distribution.
REF. NO.: ..168 LOCATION: new CALL NO.: new
- Hall, K.J. and K. Fletcher. 1974. Trace metal pollution from a metropolitan area: Sources and accumulation in the lower Fraser River and estuary. *Proc. of the Internat. Conf. on Transport of Persistent Chemicals in Aquatic Ecosystems.*
KEYWORDS: estuary, contaminant sources, water quality, sediments, water use, trace metals.
REF. NO.: ..169 LOCATION: new CALL NO.: new
- Spies, A. and T.R. Parsons. 1985. Estuarine microplankton: An experimental approach in combination with field studies. *J. Exp. Mar. Biol. Ecol.* 92:63-81.
KEYWORDS: Main Arm, plants, physical environment, production, salinity.
REF. NO.: ..170 LOCATION: new CALL NO.: new
- Parsons, T.R.. 1983. Symposium on the fisheries and oceanography of the Strait of Georgia. *Can. J. Fish. Aquat. Sci.* 40(7):1025.
KEYWORDS: estuary, physical environment, fish.
REF. NO.: ..171 LOCATION: new CALL NO.: new
- Harrison, P.J., J.D. Fulton, F.J.R. Taylor, and T.R. Parsons. 1983. Review of the biological oceanography of the Strait of Georgia: Pelagic environment. *Can. J. Fish. Aquat. Sci.* 40(7):1064-1094.
KEYWORDS: estuary, plants, physical environment, invertebrates, bacteria, fish.
REF. NO.: ..172 LOCATION: new CALL NO.: new
- Dorcey, A.H.J.. 1979. Coastal resources in the future of B.C.. Westwater Research Centre, UBC, 126p..
KEYWORDS: estuary, fish, water use, invertebrates, salmon, management.
REF. NO.: ..173 LOCATION: new CALL NO.: new
- Dorcey, A.H.J. prep. Bargaining in governments of Pacific coastal resources: research and reform. Westwater Research Centre, UBC.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..174 LOCATION: Westwater lib CALL NO.:

REFERENCES (listing continued):

- Jacob, C. and K.J. Hall. 1985. Use of the bioconcentration capability of Hirudinea (leeches) to evaluate chlorophenol contamination of water. In: New directions and research in waste treatment and residual mgmt.:773-788, Int'l Conf., UBC.
KEYWORDS: estuary, water quality, trace organics, chlorophenols, invertebrates, bioaccumulation.
REF. NO.: ..175 LOCATION: WQB library CALL NO.: none
- Kay, B. prep. West coast marine environmental quality. Bibliography. Vol. I. References. EPS, Reg. Prog. Rept. 86-2.
KEYWORDS: estuary, physical environment, contaminant sources, water quality, bibliography.
REF. NO.: ..176 LOCATION: EPS, W. Van CALL NO.: B. Kay
- Servizi, J.A., D.W. Martens and R.W. Gordon. 1978. Acute toxicity at Annacis Island primary sewage treatment plant. Int. Pac. Salmon Fish. Comm., Prog. Rep. 38, 12p.
KEYWORDS: Main Arm, contaminant sources, fish, sewage, toxicity, salmon.
REF. NO.: ..177 LOCATION: new CALL NO.: new
- Sproule-Jones, M. 1980. The real world of pollution control. Westwater Research Centre, UBC. 128p.
KEYWORDS: estuary, water use, management.
REF. NO.: ..178 LOCATION: Westwater CALL NO.: out of pri
- Albright, L.J.. 1983. Influence of river-ocean plumes upon bacterioplankton production of the Strait of Georgia, British Columbia. Mar. Ecol. Ser. 12:107-113.
KEYWORDS: estuary, bacteria.
REF. NO.: ..179 LOCATION: Churchland CALL NO.: none
- Bell, C.R. and L.J. Albright. 1981. Attached and free-floating bacteria in the Fraser River estuary, British Columbia, Canada. Mar. Ecol. 6(3):317-327.
KEYWORDS: estuary, bacteria.
REF. NO.: ..180 LOCATION: Churchland CALL NO.: none
- Albright, L.J. 1983. Heterotrophic bacterial biomasses, activities, and productivities within the Fraser River plume. pp.216-220 In: Proc. of the symp. on the dynamics of turbid coastal environments/Can. J. Fish. Aquat. Sci. 40(1).
KEYWORDS: estuary, bacteria.
REF. NO.: ..181 LOCATION: Churchland CALL NO.: none
- Bell, C.R. and L.J. Albright. 1982. Attached and free-floating bacteria in a diverse selection of water bodies. Appl. Environ. Microbiol. 43(6):1227-1237.
KEYWORDS: estuary, bacteria.
REF. NO.: ..182 LOCATION: Churchland CALL NO.: none

REFERENCES (listing continued):

- Chocair, J.A. and L.J. Albright. 1983. Actividad heterotrofica de microorganismos de sedimento y agua en Isla Iona, Columbia Britanica, Canada. An. Inst. Cienc. del Mar y Limnol. Univ. Nal. Auton. Mexico 10(1):31-46.
KEYWORDS: Sturgeon-Bank, sediments; bacteria.
REF. NO.: ..183 LOCATION: Churchland CALL NO.: none
- Levy, D.A. and T.G. Northcote. 1979. The distribution and abundance of juvenile salmon in marsh habitats of the Fraser River estuary. Westwater Research Centre, UBC, Tech. Rept. No. 25, 117p.
KEYWORDS: estuary, fish, salmon, distribution, feeding.
REF. NO.: ..184 LOCATION: WQB library CALL NO.: none
- Bell, C.R. and L.J. Albright. 1982. Bacteriological investigation of the neuston and plankton in the Fraser River estuary, British Columbia. Estuar. Coast. Shelf Sci. 15(4):385-394.
KEYWORDS: estuary, bacteria.
REF. NO.: ..185 LOCATION: Churchland CALL NO.: none
- Ward, P.R.B. 1976. Seasonal salinity changes in the Fraser River estuary. Can. J. Civ. Eng. 3:342.
KEYWORDS: estuary, physical environment, salinity, tides.
REF. NO.: ..186 LOCATION: Valiela CALL NO.: none
- Koch, F.A. and K.J. Hall. 1981. Survey of wastewater quality in the sewerage systems of the University of British Columbia. Westwater Research Centre, UBC, Tech. Rept. No. 24, 73p.
KEYWORDS: North Arm, water quality, trace metals, trace organics, oxygen.
REF. NO.: ..187 LOCATION: WQB library CALL NO.: none
- Levy, D.A., T.G. Northcote, and G.J. Birch. 1979. Juvenile salmon utilization of tidal channels in the Fraser River estuary, British Columbia. Westwater Research Centre, UBC, Tech. Rept. No. 23, 70p.
KEYWORDS: estuary, fish, salmon, distribution, feeding.
REF. NO.: ..188 LOCATION: WQB library CALL NO.: none
- Valiela, D. and R.U. Kistritz. 1980. Dependence of salmon on Fraser estuarine marsh ecosystems: A simulation analysis. Westwater Research Centre, UBC, Tech. Rept. No. 18, 51p.
KEYWORDS: estuary, fish, salmon, distribution, feeding, modelling.
REF. NO.: ..189 LOCATION: WQB library CALL NO.: none
- Birtwell, I.K. et al. 1983. Studies on the impact of municipal sewage discharges onto an intertidal area within the Fraser River estuary, British Columbia. Dept. Fish. and Oceans, Can. Tech. Rept. Fish. Aquat. Sci. No. 1170.
KEYWORDS: Sturgeon Bank, fish, water quality, salmon, sewage, bioassay.
REF. NO.: ..190 LOCATION: Valiela CALL NO.: none

REFERENCES (listing continued):

- Hall, K.J.. prep. A review of toxic substances in the Fraser River estuary. Westwater Research Centre, UBC In: Toxic chemicals research needs in the lower Fraser River. Workshop proceedings, June 19, 1985.
KEYWORDS: estuary, water quality, sediments, biota, trace metals, trace organics.
REF. NO.: ..191 LOCATION: WQB library CALL NO.: H. Mah
- Hall, K.J., V.K. Gujral, P. Parkinson and T. Ma. 1984. Selected organic contaminants in sediments and fish from the Fraser River estuary. Can. Tech. Rept. Fish. Aquat. Sci (to be published).
KEYWORDS: estuary, sediments, fish, trace organics.
REF. NO.: ..192 LOCATION: Valiela CALL NO.: none
- Dunn, B.P. and H.F. Stich. 1976. Monitoring procedures for chemical carcinogens in coastal waters. J. Fish. Res. Board Can. 33:2040-2046.
KEYWORDS: estuary, water quality, trace organics, carcinogens.
REF. NO.: ..193 LOCATION: Valiela CALL NO.: none
- Grieve, D. and K. Fletcher. 1977. Interactions between zinc and suspended sediments in the Fraser River estuary, B.C.. Estuar. Coast. Mar. Sci. 5:415-419.
KEYWORDS: estuary, water quality, physical environment, sediments, trace metals, zinc.
REF. NO.: ..194 LOCATION: Valiela CALL NO.: none
- Dorcey, A.H.J. and I.K. Fox. none. An assessment of university sponsored interdisciplinary research: The Wisconsin River and the lower Fraser River water quality studies. Westwater Research Centre, UBC, 5p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..195 LOCATION: new CALL NO.: new
- Dorcey, A.H.J. 1982. The uncertain quest for a management strategy in the Fraser estuary. Can. Water Res. J. 6(4):95-118.
KEYWORDS: estuary, management.
REF. NO.: ..196 LOCATION: new CALL NO.: new
- White, S.W. 1976. Environmental concepts and the management of the Fraser River: An examination of the preferences of individuals involved with the appeals...Annacis Island Plant. M.Sc. thesis, Sch. of Comm. and Reg. Plann., UBC, 143p.
KEYWORDS: Main Arm, water quality, sewage, management.
REF. NO.: ..197 LOCATION: Westwater CALL NO.: O6B W55
- Hourston, A.S., E.H. Vernon, and G.A. Holland. 1965. The migration, composition, exploitation and abundance of odd-year pink salmon runs in and adjacent to the Fraser River convention area. Int. Pac. Salmon Fish. Comm. Bull. 17, 151p.
KEYWORDS: estuary, fish, salmon, distribution.
REF. NO.: ..198 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Kautz, M. 1973. Waterfowl use of the lower Fraser River: A report to the Westwater Research Centre. Westwater Research Centre, UBC, 25p.
KEYWORDS: estuary, birds, waterfowl.
REF. NO.: ..199 LOCATION: Westwater CALL NO.: O6G K38
- Swain, L.G. and G.B. Holms. 1984. Water quality assessment and objectives for the Fraser-delta strategic planning unit. Vol. 2. Fraser River downstream from Kanaka Creek. Resource Quality Section, Water Management Branch, B.C. Min. Environment, 206p.
KEYWORDS: estuary, water quality, contaminant sources, water use, fish, physical environment.
REF. NO.: ..200 LOCATION: WQB library CALL NO.: none
- Tabata, S. 1972. The movement of Fraser River influenced surface water in the Strait of Georgia as deduced from a series of aerial photographs. Marine Sciences Branch, Pac. Reg., Environment Canada, Pac. Mar. Sci. Rep. 72-6, 69p.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..201 LOCATION: Westwater CALL NO.: O2L T33m
- Tywoniuk, N. 1973. Sediment budget of the lower Fraser River. 9th Canadian Hydrology Symp. Fluvial Processes and Sedimentation, U. of Alberta, Edmonton, 15p.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..202 LOCATION: Westwater CALL NO.: none
- Boyd, S. 1979. A review of various tidal marsh development techniques. Westwater Research Centre, UBC, Info. Rept. No. 1..
KEYWORDS: estuary, vascular plants, marsh plants.
REF. NO.: ..203 LOCATION: Westwater CALL NO.: out of pri
- Wade, L. 1972. Sturgeon Banks: An ecological study. Corp. of Richmond, 31p.
KEYWORDS: Sturgeon Bank, physical environment, plants, fish, birds, salinity.
REF. NO.: ..204 LOCATION: Westwater CALL NO.: O6G W34s
- B.C. Research. 1977. Environmental studies at Iona Island, Report #3. Prep. for the Greater Vancouver Sewerage and Drainage District.
KEYWORDS: Sturgeon Bank, sediments, invertebrates, benthos, bacteria, fecal coliforms.
REF. NO.: ..205 LOCATION: new CALL NO.: new
- Wersta, E. 1973. Proposal for bar fishing within the Fraser River delta: Report on the justification to retain and improve some Fraser River sand bars for fishing. Local Initiatives Prog., Richmond.
KEYWORDS: estuary, water use, recreational use, fishing.
REF. NO.: ..206 LOCATION: Westwater CALL NO.: O6G W47p

REFERENCES (listing continued):

- Servizi, J.A. and R.A. Burkhalter. 1970. Selected measurements of water quality and bottom-dwelling organisms of the Fraser River system 1963 to 1968. Int. Pac. Salmon Fish. Comm., 70p.
KEYWORDS: estuary, water quality, oxygen, invertebrates, benthos, distribution..
REF. NO.: ..207 LOCATION: new CALL NO.: new
- Hodgins, D.O. 1974. Salinity intrusion in the Fraser River. Ph.D. thesis, Dep. Civil Eng., UBC, 149p.
KEYWORDS: estuary, physical environment, salinity.
REF. NO.: ..209 LOCATION: Westwater CALL NO.: O2L H64s
- Joy, C.S. 1974. Water quality modelling in estuaries. Ph.D. thesis, Sch. of Comm. and Reg. Plann., UBC, 205p.
KEYWORDS: estuary, water quality, modelling.
REF. NO.: ..210 LOCATION: Westwater CALL NO.: O2L J68w
- Tomlins, G.F. and K.P.B. Thomson. 1982. Toward an operational, satellite-based, wetland monitoring program for the Fraser River estuary, British Columbia. In: Proc. 7th Canadian Symp. on Remote Sensing: 74-82. Sept. 8-11, 1981, Winnipeg, Man.
KEYWORDS: estuary, fish, birds.
REF. NO.: ..211 LOCATION: new CALL NO.: new
- Pretious, E.S. 1972. Downstream sedimentation effects of dams on the Fraser River, B.C. Dep. Civil Eng., UBC, Water Res. Ser. No. 6, 91p.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..212 LOCATION: Westwater CALL NO.: O2J P74d
- Sewell, W.R.D. 1965. Water management and floods in the Fraser River basin. Dep. Geogr., U. of Chicago, Res. Paper No. 100, 163p.
KEYWORDS: estuary, physical environment, flooding, management.
REF. NO.: ..213 LOCATION: Westwater CALL NO.: none
- Sproule-Jones, M. and K. Peterson. 1975. Institutional and intergovernmental arrangements and the management of water quality: the lower Fraser River case. Westwater Research Centre, UBC, 21p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..214 LOCATION: Westwater CALL NO.: none
- F.F. Slaney & Company Limited. 1979. Environmental impact statement on the reactivation of Boundary Bay Airport. Volume 3. Review of related developments. Transport Canada, 17p+.
KEYWORDS: Boundary Bay.
REF. NO.: ..215 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Fairbairn B. 1974. Sawlog pollution in the lower Fraser River. M.Sc. thesis, Sch. of Comm. and Reg. Plann., UBC, 125p.
KEYWORDS: estuary, water quality, water use, commercial use, log storage.
REF. NO.: ..216 LOCATION: Westwater CALL NO.: O5G F35s
- Taylor, E.W. 1974. The Vancouver International Airport expansion proposals and possible impact on wildlife of the Fraser River estuary. Canadian Wildlife Service, Environment Canada, 54p.
KEYWORDS: Sturgeon Bank, birds, plants, waterfowl, shorebirds, raptors.
REF. NO.: ..217 LOCATION: new CALL NO.: new
- Fraser River Harbour Commission. 1973. Annual report. New Westminster, annual.
KEYWORDS: estuary, water use, industrial use, commercial use.
REF. NO.: ..218 LOCATION: Westwater CALL NO.: O6E F73
- Ching, H.L. and D.R. Munday. 1984. Susceptibility of six Fraser chinook salmon stocks to *Ceratomyxa shasta* and the effects of salinity on *Ceratomyxosis*. Can. J. Zool. 62(6):1081-1083.
KEYWORDS: estuary, fish, salmon, pathogens.
REF. NO.: ..219 LOCATION: new CALL NO.: new
- Fraser River Joint Advisory Board. 1970. Annual report. Fraser River Joint Advisory Board.
KEYWORDS: estuary, water quality.
REF. NO.: ..220 LOCATION: Westwater CALL NO.: O4A F73a
- Friesen, B.F.J. 1974. A study of the opportunities and costs of preserving recreational sites along the lower Fraser River. M.A. thesis, Sch. of Comm. and Reg. Plann., UBC, 174p.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..221 LOCATION: Westwater CALL NO.: O6G F75s
- Greater Vancouver Sewerage and Drainage District. 1967. Brief submitted in the matter of the "Pollution Control Act" and in the ... establishment of policy for the control of water pollution in the lower Fraser basin. 20p.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..222 LOCATION: Westwater CALL NO.: O5G G74b
- Chapman, P.M., and R.O. Brinkhurst. 1981. Seasonal changes in interstitial salinities and seasonal movements of subtidal benthic invertebrates in the Fraser River estuary, B.C. Estuar. Coast. Shelf Sci. 12(1):49-66.
KEYWORDS: North Arm, physical environment, invertebrates, benthos, oligochaetes, salinity.
REF. NO.: ..223 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Goldie, C.A. 1967. Pollution and the Fraser. Rep. I-Dealing with preliminary investigations of waste disposal to the lower Fraser River. Pollution Control Branch, B.C. Water Res. Serv., 55p.
KEYWORDS: estuary, water quality, contaminant sources, sewage.
REF. NO.: ..224 LOCATION: Westwater CALL NO.: O5G/B75p
- Public Works Canada. 1978. An introduction to river mechanics and the lower Fraser River. Seminar spons. by Fraser River Harbour Comm., N. Fraser Harbour Comm., and Dep. Public Works, 72p.
KEYWORDS: estuary, physical environment, sediments, discharge, currents, sedimentation.
REF. NO.: ..225 LOCATION: Westwater CALL NO.: O2A C68i
- Public Works Canada. 1976. Proposed improvements to the shipping channel on the Fraser River from New Westminster to the Strait of Georgia. Interim report, 88p.
KEYWORDS: estuary, water use, commercial use, shipping.
REF. NO.: ..226 LOCATION: Westwater CALL NO.: O6B C68p
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.4, Appendix B. The existing biological environment. National Harbours Board, 140p+.
KEYWORDS: Roberts Bank, water use, commercial use, shipping, fish, birds.
REF. NO.: ..227 LOCATION: new CALL NO.: new
- Public Works Canada. 1978. Proposed improvements to the Fraser River shipping channel. Transcript proceedings of public information meeting, 55p.
KEYWORDS: estuary, water use, commercial use, shipping.
REF. NO.: ..228 LOCATION: Westwater CALL NO.: O6B C68p
- Williams, I.V. 1969. Implications of water quality and salinity in the survival of Fraser River sockeye smolts. Int. Pac. Salmon Fish. Comm. Prog. Rep. 22.
KEYWORDS: estuary, water quality, fish, trace metals, trace organics, salmon.
REF. NO.: ..229 LOCATION: new CALL NO.: new
- Takahashi, M, K. Fujii and T.R. Parsons. 1973. Simulation study of phytoplankton photosynthesis and growth in the Fraser River estuary. Marine Biology 19:102-116.
KEYWORDS: estuary, plants, algae, production.
REF. NO.: ..230 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Birtwell, I.K. et al. 1985. Id. toxic organic cmpds. in municipal waste from Iona Isl. S.T.P. & effects of exposure on juv. chinook salmon (*O. tshawytscha*). Intl. Conf. New Directions & Res. in Waste Treat. & Residuals Mgmt., UBC, Vol. 2.
KEYWORDS: Sturgeon Bank, water quality, fish, sewage, trace organics, salmon.
REF. NO.: ..231 LOCATION: new CALL NO.: new
- Chapman, P.M., D. Munday, and G.A. Vigers. 1980. Monitoring of polychlorinated biphenyls in the lower Fraser River - a data report. E.V.S. Consultants Limited, 29p.
KEYWORDS: estuary, water quality, fish, trace organics, chlorinated hydrocarbons, bioassay.
REF. NO.: ..232 LOCATION: new CALL NO.: new
- Swinbanks, D.D., and J.W. Murray. 1981. Biosedimentological zonation of Boundary Bay tidal flats, Fraser River delta, British Columbia. *Sedimentology* 28(2):201-237.
KEYWORDS: Boundary Bay, sediments, plants, invertebrates, distribution, benthos.
REF. NO.: ..233 LOCATION: new CALL NO.: new
- Waylen, P. and M.K. Woo. 1982. Prediction of mean annual flows in the Fraser River catchment, British Columbia. *Water Resour. Bull.* 18(4):707-711.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..234 LOCATION: new CALL NO.: new
- Fletcher, W.K. and G.S. Holmes. 1983. Geochemistry and biological availability of iron and trace elements in the upper Fraser River estuary. *Mar. Chem.* 12(2-3):195-217.
KEYWORDS: Main Arm, water quality, plants, trace metals, algae, nutrients.
REF. NO.: ..235 LOCATION: new CALL NO.: new
- Pearse, P.H. 1984. Of home and the river. *Can. Water Resour. J.* 9(2):1-6.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..236 LOCATION: new CALL NO.: new
- Geesey, G.G., L. Borstad, and P.M. Chapman. 1984. Influence of flow related events on concentration and phase distribution of metals in the lower Fraser River and a small tributary stream in British Columbia. *Water Res.* 18(2):233-238.
KEYWORDS: Main Arm, water quality, sediments, trace metals, copper, nickel.
REF. NO.: ..237 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Clague, J.J., J.L. Luternauer, and R.J. Hebda. 1983. Sedimentary environments and postglacial history of the Fraser delta and lower Fraser valley, British Columbia. *Can. J. Earth Sci.* 20(8):1314-1326.
KEYWORDS: estuary, physical environment, sediments, sedimentation.
REF. NO.: ..238 LOCATION: new CALL NO.: new
- Hobson, K.D. 1976. Notes on benthic Sedentariate polychaeta (Annelida) from British Columbia and Washington. *Syesis* 9:135-142.
KEYWORDS: Sturgeon Bank, invertebrates, benthos, annelids, distribution.
REF. NO.: ..239 LOCATION: new CALL NO.: new
- Hirst, S.M. and C.A. Easthope. 1981. Use of agricultural lands by waterfowl in southwestern British Columbia. *J. Wilfl. Manage.* 45(2):454-462.
KEYWORDS: estuary, birds, waterfowl, distribution, abundance, feeding.
REF. NO.: ..240 LOCATION: new CALL NO.: new
- Burton, B.A., and R.J. Hudson. 1978. Activity budgets of lesser snow geese wintering on the Fraser River estuary, British Columbia. *Wildfowl* 29:111-117.
KEYWORDS: estuary, birds, waterfowl, distribution, feeding.
REF. NO.: ..241 LOCATION: new CALL NO.: new
- Ching, H.L. and D.R. Munday. 1984. Geographic and seasonal distribution of the infectious stage of *Ceratomyxa shasta* Noble, 1950, a myxozoan salmonid pathogen in the Fraser River system. *Can. J. Zool.* 62(6):1075-1080.
KEYWORDS: estuary, fish, salmon, pathogens.
REF. NO.: ..242 LOCATION: new CALL NO.: new
- Runyan, C.S. 1986. 1985 environmental control summary report and 1986 priority projects. Environmental Health Div., Richmond, B.C.
KEYWORDS: Main Arm, contaminant sources, water quality, industrial effluents, landfill leachates, pesticides.
REF. NO.: ..243 LOCATION: new CALL NO.: new
- Ching, H.L. 1984. Comparative resistance of Oregon (Big Creek) and British Columbia (Capilano) juvenile chinook salmon to the Myxozoan pathogen, *Ceratomyxa shasta*, after lab *Can. J. Zool.* 62(7):1423-1424.
KEYWORDS: estuary, fish, salmon, pathogens.
REF. NO.: ..244 LOCATION: new CALL NO.: new
- Runyan, C.S. prep. Literature report on vehicle washing compounds and their environmental impacts. Environmental Health Div, Richmond.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges.
REF. NO.: ..245 LOCATION: Runyan CALL NO.: none

REFERENCES (listing continued):

- Environmental Protection Service. prep. Toxic chemicals information service. Data bank of provincial and federal water quality data. Environmental Protection Service, West Vancouver.
KEYWORDS: estuary, water quality, trace metals, trace organics, mercury, PCB's.
REF. NO.: ..246 LOCATION: EPS, West Van CALL NO.: Shrimpton
- Pond, S.G. 1975. Pollution studies of the proposed Vancouver International Airport expansion. Vol.I. Summary, storm drainage, sewerage systems, and Iona Island sewage effects. EPS, Environment Canada, EPS 8-PR-75-1.
KEYWORDS: Sturgeon Bank, water quality, contaminant sources, stormwater discharges, sewage, dredging.
REF. NO.: ..247 LOCATION: new-fiche CALL NO.: new
- Morrison, D.M. 1975. Pollution studies of the proposed Vancouver International Airport. Vol.II. Effects of dredging on water quality. Environmental Protection Service, Pac. Reg., EPS 8-PR-75-2, 53p.
KEYWORDS: Sturgeon Bank, water quality, sediments, water use, commercial use, dredging.
REF. NO.: ..248 LOCATION: new-fiche CALL NO.: new
- B.C. Research. 1975. Pollution studies of the proposed Vancouver International Airport expansion. Vol.III. Effects of airport activities on air quality. EPS, Environment Canada, EPS 8-PR-75-3.
KEYWORDS: Sturgeon Bank.
REF. NO.: ..249 LOCATION: new-fiche CALL NO.: new
- Chapman, P.M. 1981. Measurements of the short-term stability of interstitial salinities in subtidal estuarine sediments. Estuar. Coast Shelf Sci. 12(1):67-81.
KEYWORDS: estuary, sediments, physical environment, salinity.
REF. NO.: ..250 LOCATION: new CALL NO.: new
- Pomeroy, W.M. 1983. Receiving environment studies conducted in the vicinity of Iona Island sewage treatment plant, Vancouver, B.C.. EPS, Pac. Reg., 83-10, 36p.
KEYWORDS: Sturgeon Bank, water quality, physical environment, invertebrates, sewage, sediments.
REF. NO.: ..251 LOCATION: new CALL NO.: new
- Chapman, P.M., M.A. Farrell, and R.O. Brinkhurst. 1982. Effects of species interactions on the survival and respiration of *Limnodrilus hoffmeisteri* and *Tubifex tubifex* (Oligochaeta, Tubificidae) exposed to various.... Water Resour. 16(9):1405-1408.
KEYWORDS: North Arm, water quality, invertebrates, benthos, oligochaetes, bioassay.
REF. NO.: ..252 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

Chapman, P.M. and R.O. Brinkhurst. 1984. Lethal and sublethal tolerances of aquatic oligochaetes with reference to their use as a biotic index of pollution. *Hydrobiologia* 115:139-144.

KEYWORDS: estuary, invertebrates, sediments, water quality, benthos, oligochaetes.

REF. NO.: ..253 LOCATION: new CALL NO.: new

Chapman, P.M. 1981. Seasonal changes in the depth distributions of interstitial salinities in the Fraser River estuary, British Columbia. *Estuaries* 4(3):226-228.

KEYWORDS: estuary, physical environment, sediments, salinity.

REF. NO.: ..254 LOCATION: new CALL NO.: new

Kay, B.H. 1976. Shellfish growing water sanitary survey of Boundary Bay, Mud Bay, and Crescent Beach, British Columbia, 1976. EPS, Environment Canada, EPS 5-PR-76-11, 78p.

KEYWORDS: Boundary Bay, invertebrates, bacteria, benthos, shellfish, fecal coliforms.

REF. NO.: ..255 LOCATION: new CALL NO.: new

Aird, W.J. and S.P. Pearce. 1976. Remote sensing data summary: Fraser River delta. Environmental Protection Service, Ottawa, EPS 3-EC-76-2.

KEYWORDS: estuary, water quality, remote sensing.

REF. NO.: ..256 LOCATION: new CALL NO.: new

Pond, S.G. 1976. Vancouver International Airport pollution studies. EPS, Pac. Reg., EPS 8-PR-76-2.

KEYWORDS: Sturgeon Bank, water quality.

REF. NO.: ..257 LOCATION: new-fiche CALL NO.: new

Waldichuck, M. 1985. Roberts Bank coal port, British Columbia: how did the environmental impact assessment fare?. *Mar. Pollut. Bull.* 16(5):179-185.

KEYWORDS: Roberts Bank, fish, plants, birds, salmon, management.

REF. NO.: ..258 LOCATION: new CALL NO.: new

Bennett, K. 1983. A study of the storm water quality at the Vancouver International Airport: south side. Report to Richmond Environmental Health Division.

KEYWORDS: North Arm, contaminant sources, stormwater discharges, trace metals, nutrients.

REF. NO.: ..259 LOCATION: new CALL NO.: new

Levings, C.D., G.L. Greer, and P. Miller. 1983. Results of preliminary mark-recapture experiments with juvenile salmonids on Sturgeon and Roberts Bank, Fraser River estuary. *Dep. Fisheries and Oceans, Can. Manu. Rep. Fish. Aquat. Sci. No. 1684*, 30p.

KEYWORDS: estuary, fish, salmon, distribution.

REF. NO.: ..260 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Servizi, J.A. and D.W. Martens. 1974. Preliminary survey of toxicity of chlorinated sewage to sockeye and pink salmon. Int. Pac. Salmon Fish. Comm. Progress Report No. 30.
KEYWORDS: estuary, fish, salmon, bioassay, sewage, toxicity.
REF. NO.: ..261 LOCATION: new CALL NO.: new
- Levings, C.D., and F. Rafi. 1978. *Tanais stanfordi* Richardson 1901 (Crustacea, Tanaidacea) from the Fraser River estuary, British Columbia. *Syesis* 11:51-53.
KEYWORDS: estuary, invertebrates, sediments, benthos, particle size, distribution.
REF. NO.: ..262 LOCATION: new CALL NO.: new
- Gregory, R.S. prep. Effects of turbidity on interspecific competition for food in juvenile Pacific salmon species. Ph.D. thesis, Dep. Zoology, UBC.
KEYWORDS: estuary, physical environment, fish, turbidity, salmon, feeding.
REF. NO.: ..263 LOCATION: CALL NO.:
- Levings, C.D. 1985. Juvenile salmonid use of habitats altered by a coal port in the Fraser River estuary, British Columbia. *Mar. Pollut. Bull.* 16(6):248-254.
KEYWORDS: Roberts Bank, fish, salmon, herring, distribution, feeding.
REF. NO.: ..264 LOCATION: new CALL NO.: new
- Levings, C.D. 1980. Vertical distribution and abundance of epibenthos and macrozooplankton in the lower Fraser River estuary. *Dep. Fisheries and Oceans, Can. Data Rep. Fish. Aquat. Sci. No. 241*, 63p.
KEYWORDS: estuary, invertebrates, physical environment, fish, epibenthos, distribution.
REF. NO.: ..265 LOCATION: new CALL NO.: new
- Rosberg, G.E. and G.L. Greer. 1985. Migration rate and behaviour of adult sockeye and chum salmon through trained and untrained sections of the lower Fraser River. *Dep. Fisheries and Oceans, Can. Tech. Rep. Fish. Aquat. Sci. No. 1349*, 29p.
KEYWORDS: Main Arm, fish, salmon, physical environment, training walls, migration.
REF. NO.: ..266 LOCATION: new CALL NO.: new
- Levings, C.D. and B.D. Chang. 1977. A preliminary study of the influence of current velocities on estuarine benthos, especially *Anisogammarus confervicolus*, in the Fraser River estuary. *Fish. Res. Bd. Can. Ms. Rept. 1424*, 50p..
KEYWORDS: Main Arm, invertebrates, physical environment, benthos, drift, abundance.
REF. NO.: ..267 LOCATION: WQB library CALL NO.: 0603 A1623

REFERENCES (listing continued):

- Harrison, P.J. et al. 1984. Bibliography of the biological oceanography of the Strait of Georgia and adjacent inlets, with emphasis on ecological aspects. Dep. Fisheries and Oceans, Can. Tech. Rep. Fish. Aquat. Sci. No. 1293, 140p.
KEYWORDS: estuary, fish, bacteria, invertebrates, plants, bibliography.
REF. NO.: ..268 LOCATION: new CALL NO.: new
- Pomeroy, W.M., D.K. Gordon, and C.D. Levings. 1981. Experimental transplants of brackish and salt water marsh species on the Fraser River estuary. Dep. Fisheries and Oceans, Can. Tech. Rep. Fish. Aquat. Sci. No. 1067, 35p.
KEYWORDS: estuary, plants, vascular plants, distribution.
REF. NO.: ..269 LOCATION: new CALL NO.: new
- Otte, G. and C.D. Levings. 1975. Distribution of macroinvertebrate communities on a mud flat influenced by sewage, Fraser River estuary, British Columbia. Fisheries and Marine Service, West Vancouver, 14p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, invertebrates, benthos, distribution.
REF. NO.: ..270 LOCATION: new CALL NO.: new
- Birtwell, I.K. et al. 1981. Brief presented to the B.C. Pollution Control Board inquiry pertaining to the Annacis Island sewage treatment plant and municipal waste Dep. Fisheries and Oceans, Can. Ind. Rep. Fish. Aquat. Sci. No. 126, 51p.
KEYWORDS: Main Arm, contaminant sources, sewage, fish, salmon, fishing.
REF. NO.: ..271 LOCATION: new CALL NO.: new
- Environmental Emergency Branch. prog. Spill report data base. E.P.S. Computerized data base of oil and chemical spills. Environmental Emergency Branch, E.P.S.
KEYWORDS: estuary, contaminant sources, diffuse sources.
REF. NO.: ..272 LOCATION: EPS, W. Van CALL NO.: W Phillips
- Gordon, D.K. and C.D. Levings. 1984. Seasonal changes in inshore fish populations on Sturgeon and Roberts Bank, Fraser River estuary, British Columbia. Dep. Fisheries and Oceans, Can. Tech. Rep. Fish. Aquat. Sci. No. 1240, 85p.
KEYWORDS: estuary, fish, water quality, salmon, distribution, oxygen.
REF. NO.: ..273 LOCATION: new CALL NO.: new
- Goodman, D.A.. 1975. Fisheries resources and food web components of the Fraser River estuary... Vol. I of II, preliminary draft. Environment and Fisheries & Marine Service.
KEYWORDS: estuary, physical environment, fish, discharge, salmon, distribution.
REF. NO.: ..274 LOCATION: T.G. Northcote CALL NO.: 4716

REFERENCES (listing continued):

- Howard Paish & Assoc. 1985. Review of lower Fraser system salmon escapements, habitat condition, and exploitation rates. Prep. for Salmon Habitat Research Section, Fish. Res. Branch, DFO. KEYWORDS: estuary, fish, salmon, distribution, abundance, migration. REF. NO.: ..275 LOCATION: HP & Assoc CALL NO.: C Levings
- Western Canada Hydraulic Laboratories Ltd. 1977. Feasibility study, development of a forty foot draft navigation channel, New Westminster to Sandheads. Final report, Hydraulic model studies. Western Canada Hydraulic Laboratories Limited, 107p. KEYWORDS: estuary, physical environment, water use, commercial use, shipping, dredging. REF. NO.: ..276 LOCATION: new CALL NO.: new
- Meyer, P.A. 1978. Updated estimates for recreation and preservation values associated with the salmon and steelhead of the Fraser River. Habitat Protection Directorate, Fisheries and Environment Canada, 35p. KEYWORDS: estuary, fish, salmon, water use, recreational use, fishing. REF. NO.: ..277 LOCATION: new CALL NO.: new
- Beak Consultants Limited. 1981. Environmental impact statement of proposed improvements to the Fraser River shipping channel. Public Works Canada, Pacific Region. KEYWORDS: Main Arm, water use, commercial use, shipping, dredging, physical environment. REF. NO.: ..278 LOCATION: new CALL NO.: new
- Howard Paish & Assoc. 1973. A resource management and social perspective on the Coquitlam River. Prep. for Dist. Coquitlam & City of Coquitlam. KEYWORDS: Main Arm, physical environment, water quality, sediment load. REF. NO.: ..279 LOCATION: HP & Assoc CALL NO.: H. Paish
- Fraser River Shipping Channel Environmental Assessment Panel. 1982. Panel questions to Public Works Canada and draft environmental impact statement (EIS) guidelines. Environmental Assessment Review, Govt. of Canada, 41p. KEYWORDS: Main Arm, water use, commercial use, shipping. REF. NO.: ..280 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1976. Guidelines to prepare an environmental impact statement for the proposed Fraser River shipping channel project. Environmental Assessment Panel Office, Environment Canada, 11p. KEYWORDS: Main Arm, water use, commercial use, shipping. REF. NO.: ..281 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Public Works Canada. 1977. The Fraser ... Waterway to the Pacific - proposed navigation channel improvements. Public Works Canada, Pacific Region, 23p.
KEYWORDS: Main Arm, water use, commercial use, shipping.
REF. NO.: ..282 LOCATION: new CALL NO.: new
- Reith, G. (ed.). 1982. Fraser River Estuary Study: the information systems reports. Technical background report - phase II. Information Systems Sub-committee, Ministry of Environment, Victoria, 151p.
KEYWORDS: estuary, management.
REF. NO.: ..283 LOCATION: new CALL NO.: new
- Alexander, L.J. 1982. Fraser River Estuary Study: legal provisions for linked management. Technical background report - phase II. Management Systems Sub-committee, Ministry of Environment, Victoria, 40p.
KEYWORDS: estuary, management.
REF. NO.: ..284 LOCATION: new CALL NO.: new
- McDougall, R.D. 1982. Fraser River Estuary Study: referrals systems presently used in the Fraser River estuary study core area. Information Systems Sub-committee, Ministry of Environment, Victoria, 87p.
KEYWORDS: estuary, water use, management.
REF. NO.: ..285 LOCATION: new CALL NO.: new
- Fraser River Estuary Study Steering Committee. 1978. Fraser River Estuary Study: land use and transportation. Fraser River Estuary Study, Ministry of Environment, Victoria, 277p.
KEYWORDS: estuary.
REF. NO.: ..286 LOCATION: new CALL NO.: new
- Fraser River Estuary Study Recreation Work Group. 1978. Fraser River Estuary Study: recreation. Recreation Work Group, Ministry of Environment, Victoria, 67p + appendices.
KEYWORDS: estuary, water use, recreational use, boating, fishing, swimming.
REF. NO.: ..287 LOCATION: new CALL NO.: new
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.6, Appendix D. Engineering and commodity projections. National Harbours Board, 198p.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..288 LOCATION: new CALL NO.: new
- Soper, P.W. and H.F. McAlpine. 1977. Richmond landfill assessment study. EPS, Pacific Region, EPS 8-PR-77-2.
KEYWORDS: Main Arm, contaminant sources, landfill leachates.
REF. NO.: ..289 LOCATION: CALL NO.:

REFERENCES (listing continued):

- Environmental Assessment Panel. 1978. Boundary Bay Airport reactivation guidelines review, written submissions received by the Panel prior to July 25, 1978. Environmental Assessment Panel, Fisheries and Environment Canada.
KEYWORDS: Boundary Bay.
REF. NO.: ..290 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1979. Boundary Bay Airport reactivation. Federal Environmental Assessment Review Office, 60p.
KEYWORDS: Boundary Bay, birds, water quality, plants.
REF. NO.: ..291 LOCATION: new CALL NO.: new
- F.F. Slaney & Company Limited. 1979. Environmental impact statement on the reactivation of Boundary Bay Airport. Volume 1. Summary. Transport Canada, 31p.
KEYWORDS: Boundary Bay, physical environment, birds, plants, fish, water use.
REF. NO.: ..292 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1978. Guidelines for preparation of an environmental impact statement on the proposed reactivation of Boundary Bay Airport. Federal Environmental Assessment Review Office, Environment Canada, 15p.
KEYWORDS: Boundary Bay.
REF. NO.: ..293 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1978. Boundary Bay reactivation - a compendium of written submissions on draft environmental impact statement guidelines to the Environmental Assessment Panel. Environment Canada, 90p.
KEYWORDS: Boundary Bay.
REF. NO.: ..294 LOCATION: new CALL NO.: new
- Environmental Assessment Panel. 1978. Proceedings of public meeting to hear comments on draft guidelines for an environmental impact statement on the proposed reactivation of Boundary Bay Airport. Allwest Reporting Ltd., 174p.
KEYWORDS: Boundary Bay.
REF. NO.: ..295 LOCATION: new CALL NO.: new
- Transport Canada. 1981. Vancouver International Airport master plan. Govt. of Canada, 96p.
KEYWORDS: Sturgeon Bank, water use, commercial use.
REF. NO.: ..296 LOCATION: new CALL NO.: new
- Entech Environmental Consultants, Vancouver, B.C. 1981. Dissolved oxygen study at selected sampling sites on the Lower Fraser River. D.S.S. Contract 08SB.FP501-0-1874 to Dept. Fish. & Oceans.
KEYWORDS: estuary, water quality, oxygen.
REF. NO.: ..297 LOCATION: Entech CALL NO.:

REFERENCES (listing continued):

- Federal Environmental Assessment Review Office. 1979. Report of the Environmental Assessment Panel - Roberts Bank port expansion. Environment Canada, 70p.
KEYWORDS: Roberts Bank, physical environment, water quality, plants, invertebrates; fish:
REF. NO.: ..298 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 1. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..299 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 2. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..300 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 3. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..301 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 4. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..302 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 5. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..303 LOCATION: new CALL NO.: new
- Environmental Assessment Panel, Roberts Bank Port Expansion. 1978. Public meetings to review the environmental impact of a National Harbours Board proposal to expand Roberts Bank port in Delta, B.C. Volume 6. Allwest Reporting Ltd.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..304 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.3, Appendix A. The existing physical environment. National Harbours Board, 91p.
KEYWORDS: Roberts Bank, water use, commercial use, shipping, physical environment, sediments.
REF. NO.: ..305 LOCATION: new CALL NO.: new
- Barker, M.L. 1974. Water resources and related land uses Strait of Georgia - Puget Sound basin. Lands Directorate, Environment Canada, Geogr. Pap. No. 56.
KEYWORDS: estuary, water use, irrigation, industrial use, recreational use, commercial use.
REF. NO.: ..306 LOCATION: Sedge lib TD227 CALL NO.: B7 B37
- Envirocon Ltd. 1980. Fraser River estuary habitat development program, criteria summary report. EA 1830, 206p + 38p addendum.
KEYWORDS: estuary, fish, birds.
REF. NO.: ..307 LOCATION: DFO QH 541.5 E8 CALL NO.: F737+F7372
- Tutty, B.D. and J.A. Morrison. 1976. Dredge monitoring capture data and entrainment estimates during the 1976 juvenile salmonid migration in the lower Fraser River. Fisheries and Marine Service, Pac. Reg., 56p.
KEYWORDS: Main Arm, fish, salmon, water use, commercial use, dredging.
REF. NO.: ..308 LOCATION: DFO, Vanc CAN 10 CALL NO.: PACT-76-21
- Nassichuck, M. and P. Futer. prep. Metal levels in transplanted bivalves in the vicinity of the Iona Island sewage treatment plant, Fraser River. Dep. Fisheries and Oceans.
KEYWORDS: Sturgeon Bank, water quality, trace metals, invertebrates, benthos, shellfish.
REF. NO.: ..309 LOCATION: Nassichuck DFO CALL NO.:
- Tutty, B.D. and J. McBride. 1976. Histopathology of chum (*Oncorhynchus keta*) and sockeye (*Oncorhynchus nerka*) smolts subjected to entrainment during hydraulic dredging in the Fraser River est.. Fisheries and Marine Service, Pac. Reg., 23p.
KEYWORDS: estuary, water use, fish, salmon, commercial use, dredging.
REF. NO.: ..310 LOCATION: new CALL NO.: new
- Meyer, P.A.. 1970. Need for public facilities related to the fishing industry at Steveston. Economics Br., Fisheries Serv., Pac. Reg., 1970-11, 23p + appendix.
KEYWORDS: Main Arm, water use, commercial use, recreational use, commercial fishing.
REF. NO.: ..311 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Dutta, L.K. and P. Sookachoff. 1975. Assessing the impact of a 24 inch pipeline dredge on chum salmon fry in the Fraser River. Fisheries and Marine Service, Pac. Reg., PAC/T-75-26, 24p.
KEYWORDS: Main Arm, fish, water use, salmon, commercial use, dredging.
REF. NO.: ..312 LOCATION: new CALL NO.: new
- Nassichuck, M.D., P.G. Futer, J.H. Patterson, I.K. Birtwell. 1984. Water and sediment chemistry characteristics of the Tilbury and Deas Slough regions of the Fraser River. Dep. Fisheries and Oceans, Can. Data Rep. Fish. Aquat. Sci. No. 492, 81p.
KEYWORDS: Main Arm, sediments, water quality, trace metals, oxygen, nutrients.
REF. NO.: ..313 LOCATION: new CALL NO.: new
- Malik, J.G., I.K. Birtwell and M.B. Flynn. 1985. A survey of dissolved oxygen and other water quality characteristics of the lower Fraser River 1975-1981. Can. Manu. Rep. Fish. Aquat. Sci. No. 1824, 189p.
KEYWORDS: estuary, physical environment, water quality, temperature, salinity, oxygen.
REF. NO.: ..314 LOCATION: new CALL NO.: new
- Howard Paish & Assoc. 1972. The environmental and natural resource implications of a power line right of way in the District of Coquitlam. Prep. for B.C. Hydro.
KEYWORDS: Main Arm, physical environment, water quality, sediment load.
REF. NO.: ..315 LOCATION: HP & Assoc CALL NO.: H. Paish
- Mosley, T. 1982. Creel survey of lower Fraser River bar fishery, 1982. Dep. Fisheries and Oceans, 98p.
KEYWORDS: estuary, water use, recreational use, fishing, fish, salmon.
REF. NO.: ..316 LOCATION: DFO, Vanc SH CALL NO.: 224 B7 M68
- Bennett, M.G. 1973. Indian fishing and its cultural importance in the Fraser River system. Environment Canada, Fisheries Service, 44p.
KEYWORDS: estuary, water use, recreational use, fishing, Indian, fish.
REF. NO.: ..317 LOCATION: DFO, Vanc CAN 11 CALL NO.: S 1973-1
- B.C. Research Council. 1951. Study of tidal effects in the North arm of the Fraser River, April 23-24, 1951.
KEYWORDS: North Arm, physical environment, tides.
REF. NO.: ..318 LOCATION: DFO, Vanc CALL NO.: CAN 124
- B.C. Research Council. 1951. Survey of Fraser River water quality. 3rd progress report. Vancouver, 11p.
KEYWORDS: estuary, water quality.
REF. NO.: ..319 LOCATION: DFO, Vanc CALL NO.: CAN 124

REFERENCES (listing continued):

- Fraser River Board. 1956. Interim report investigations into measures for flood control in the Fraser River basin. Victoria, 71p.
KEYWORDS: estuary, physical environment, flooding.
REF. NO.: ..320 LOCATION: DFO, Vanc CALL NO.: CAN 126
- Howard Paish & Assoc. 1972. B.C. Hydro gas pipeline - Vancouver mainland Vancouver Island Southern Section. Prep. for B.C. Hydro.
KEYWORDS: Main Arm, physical environment, water quality, sediment load.
REF. NO.: ..321 LOCATION: HP & Assoc CALL NO.: H. Paish
- Fisheries Canada and Int. Pac. Salmon Fish. Comm.. 1958. The salmon spawning grounds of the Fraser River below Hope and of the Harrison River in relation to the dredging of shipping channels. Report 1958-5, 9p.
KEYWORDS: estuary, fish, water use, salmon, commercial use, dredging.
REF. NO.: ..322 LOCATION: DFO, Vanc CAN 8 CALL NO.: 1958-5
- Goldie, C.A. 1967. Waste disposal to the lower Fraser River. Pollution Control Br., 55p.
KEYWORDS: estuary, physical environment, water quality, water use, bacteria.
REF. NO.: ..323 LOCATION: DFO, Vanc TD CALL NO.: 227 B7 G64
- Western Canada Hydraulic Laboratories Ltd. 1976. Interim Report. Analytical and hydraulic model studies lower Fraser River. Prep. for Public Works Canada, 119p + 71 figs. + 13 plates + app.
KEYWORDS: estuary, physical environment, discharge, modelling.
REF. NO.: ..324 LOCATION: WCHL CALL NO.: A. McLaren
- Western Canada Hydraulic Laboratories Ltd. 1980. Report - Hydraulic and related studies on Roberts Bank and review of existing oceanographic, hydraulic and geotechnical info. on Sturgeon Bank. B.C. Hydro, 66p + 59 figs. + app.
KEYWORDS: estuary, physical environment, sediments, currents, modelling, bibliography.
REF. NO.: ..325 LOCATION: WCHL CALL NO.: A MacLaren
- Leroux, J. and J.L. Luternauer. 1979. Comprehensive compilation of air photo indices for the Fraser delta foreshore Point Grey to Tsawwassen, 1922-1978. Geological Survey of Canada, Open file 625.
KEYWORDS: estuary, physical environment, sediments, remote sensing, bibliography.
REF. NO.: ..326 LOCATION: GS Canada CALL NO.: Luternauer
- B.C. Research. 1975. Receiving water quality in the vicinity of the Lulu Island sewage outfall. B.C. Research Progress Report April 1972 - Feb. 1975.
KEYWORDS: Main Arm, water quality, contaminant sources, sewage.
REF. NO.: ..327 LOCATION: BC Research CALL NO.:

REFERENCES (listing continued):

- Water Management Branch. curr. Registry of water extraction licences for the Fraser River (data base). Min. of Environ., Water Mgmt. Branch, Surrey.
KEYWORDS: estuary, water use, industrial use, irrigation, quantity.
REF. NO.: ..328 LOCATION: new CALL NO.: new
- Howard Paish & Assoc. 1972. Living with the land. Prep. for City of Coquitlam.
KEYWORDS: Main Arm, physical environment, water quality, sediment load.
REF. NO.: ..329 LOCATION: HP & Assoc CALL NO.: H. Paish
- B.C. Research. 1977. Environmental monitoring program for dredging operation at Point Grey scow mooring basin, North Arm, Fraser River. B.C. Public Works Canada, 12p.
KEYWORDS: North Arm, sediments, water quality, dredging, particle size, fecal coliforms.
REF. NO.: ..330 LOCATION: Public Works CALL NO.: 8-39
- Schubert, N.D. 1985. The Indian food fishery of the Fraser River: 1984 summary. Dep. Fisheries and Oceans, Can. Data Rep. Fish. Aquat. Sci. No. 512, 69p.
KEYWORDS: Main Arm, fish, salmon, water use, fishing, Indian.
REF. NO.: ..331 LOCATION: DFO, New West CALL NO.: none
- Ward, P. 1980. Explore the Fraser estuary. Lands Directorate, Environment Canada, in support of the Fraser River Estuary Study, 104p.
KEYWORDS: estuary, water use, recreational use, fishing, boating.
REF. NO.: ..332 LOCATION: DFO QH 541.5 CALL NO.: E8 W35
- Mora, S.J. de. 1983. The distribution of alkalinity and pH in the Fraser estuary. Environ. Technol. Lett. 4(1):35-46.
KEYWORDS: estuary, water quality, physical environment, pH, alkalinity, modelling.
REF. NO.: ..333 LOCATION: new CALL NO.: new
- Roberts, A. and J. Liedtke. 1986. Airborne definition of suspended surface sediment and intertidal environments in the Fraser R. plume, B.C.. In: Current Research, Part A, Geol. Survey Canada, Paper 86-1A:571-582.
KEYWORDS: estuary, water quality, sediments, particle size, remote sensing.
REF. NO.: ..334 LOCATION: Tassone, WSC CALL NO.: none
- Milliman, J.D. 1980. Sedimentation in the Fraser River and its estuary, southwestern British Columbia (Canada). Estuar. Coastal Mar. Sci. 10:609-633.
KEYWORDS: estuary, sediments, sedimentation, physical environment, discharge.
REF. NO.: ..335 LOCATION: Tassone, WSC CALL NO.: none

REFERENCES (listing continued):

- Western Canada Hydraulic Laboratories Ltd. 1975. The Fraser River model. Fraser River Harbour Commission pamphlet.
KEYWORDS: estuary, physical environment, modelling.
REF. NO.: ..336 LOCATION: Tassone, WSC CALL NO.: none
- Kenyon, P.M. and D.L. Turcotte. 1985. Morphology of a delta prograding by bulk sediment transport. Bull. Geological Soc. Amer. 96:1457-1465.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..337 LOCATION: Tassone, WSC CALL NO.: none
- Mortimore, G.E. 1981. Who will save the Fraser River?. Reader's Digest, Oct. 1981:69-74.
KEYWORDS: estuary, contaminant sources, sewage, industrial effluents, fish.
REF. NO.: ..338 LOCATION: Tassone, WSC CALL NO.: none
- Kostaschuk, R.A. and M.A. Church. none. Patterns and mechanisms of sedimentation in the outer main stem Fraser River delta. Unpublished research proposal, Water Survey of Canada files, Vancouver.
KEYWORDS: estuary, sediments, sedimentation, distribution.
REF. NO.: ..339 LOCATION: Tassone, WSC CALL NO.: none
- Kellerhals, R. 1984. Review of sediment survey program Lower Fraser River British Columbia. Kellerhals Eng. Serv. Ltd., for Sed. Surv. Sec., IWD-HQ-WRB-SS-84-3.
KEYWORDS: estuary, sediments, sedimentation, water use, commercial use, dredging.
REF. NO.: ..340 LOCATION: Tassone, WSC CALL NO.: none
- Western Canada Hydraulic Laboratories Ltd. 1978. Final report. Analysis of federal sediment survey data taken on the Lower Fraser River. Water Survey of Canada, Vancouver, 120pp + figures.
KEYWORDS: estuary, sediments, sedimentation, particle size.
REF. NO.: ..341 LOCATION: Tassone, WSC CALL NO.: none
- Fraser River Upstream Storage Study. 1974. FRUSS Task 58. River regime and sediment studies. Draft internal report. Water Planning and Management Branch, IWD, Environment Canada, Vancouver, 17pp.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..342 LOCATION: Tassone, WSC CALL NO.: none
- Ward, P.R.B. none. Dispersion of pollutants in a partially stratified estuary. Unpublished draft report, Sediment Survey files, Water Survey of Canada, Vancouver.
KEYWORDS: Main Arm, water quality, contaminant sources, sewage, dispersion.
REF. NO.: ..343 LOCATION: Tassone, WSC CALL NO.: none

REFERENCES (listing continued):

- Williams, H.F.L. 1986. Depositional facies and evolution of Lulu Island topset deposits, Fraser delta, British Columbia. In: Current Research, Part A, Geol. Survey of Canada, Paper 86-1A, p.559-564.
KEYWORDS: Sturgeon Bank, sediments, sedimentation.
REF. NO.: ..344 LOCATION: Tassone, WSC CALL NO.: none
- Entech Environ. Consultants Ltd., Van., B.C. 1974. Assessment of impact of proposed Vancouver Int'l. Airport expansion on birds using the wetlands of Fraser R. delta, B.C. Prep. for Canadian Wildlife Service.
KEYWORDS: estuary, birds, waterfowl.
REF. NO.: ..345 LOCATION: Entech CALL NO.:
- Environmental Protection Service. 1982. Summary report: toxic screening studies at municipal sewage treatment plants 1979 - 1981. Water Pollution Control Directorate (draft rept.), EPS, 45p.
KEYWORDS: Main Arm, contaminant sources, water quality, sewage, trace organics.
REF. NO.: ..346 LOCATION: L. Swain CALL NO.: none
- Western Canada Hydraulic Laboratories Ltd.. 1978. Final report. North Arm borrow study. B.C. Dept. of Highways, 31pp + figures.
KEYWORDS: North Arm, sediments, sedimentation.
REF. NO.: ..347 LOCATION: Tassone, WSC CALL NO.: none
- Water Survey of Canada, Sediment Survey Section. 1970. Hydrometric and sediment survey, Lower Fraser River. Progress report 1965-68. Water Survey of Canada, Dept. Energy, Mines, and Natural Resources, 133pp.
KEYWORDS: estuary, sediments, sedimentation, physical environment, discharge, sediment load.
REF. NO.: ..348 LOCATION: Tassone, WSC CALL NO.: none
- Barnard, A.E. 1985. Pacific Flyway waterfowl report. Rept. 91, Pac. Flyway Comm., U.S. Fish and Wildlife Service, Portland, Ore..
KEYWORDS: estuary, birds, waterfowl, distribution, abundance.
REF. NO.: ..349 LOCATION: Butler, CWS CALL NO.: none
- Douglas, A. 1984. An evaluation of wintering raptors in the Lower Mainland of British Columbia. BCIT Forestry report, B.C. Wildlife Branch files, Surrey (draft rept).
KEYWORDS: estuary, birds, raptors, distribution.
REF. NO.: ..350 LOCATION: Butler, CWS CALL NO.: none
- Forbes, R.D. 1973. A floral description of the Fraser River estuary and Boundary and Mud Bays, B.C. Unpublished report, B.C. Fish and Wildlife Branch, Burnaby, 94p.
KEYWORDS: estuary, Boundary Bay, plants, vascular plants, distribution.
REF. NO.: ..351 LOCATION: Butler, CWS CALL NO.: none

REFERENCES (listing continued):

- Chapman, P.M. and R.O. Brinkhurst. 1980. Salinity tolerance in some selected aquatic oligochaetes. *Int. Revue ges. Hydrobiol.* 65(4):499-505.
KEYWORDS: estuary, physical environment, salinity, invertebrates, sediments, bioassay.
REF. NO.: ..352 LOCATION: new CALL NO.: new
- McKelvey, R.W. et al. 1985. The interaction of birds and air traffic at the Boundary Bay airport. Unpublished report, Canadian Wildlife Service, Delta.
KEYWORDS: Boundary Bay, birds, raptors, distribution, abundance.
REF. NO.: ..353 LOCATION: Butler, CWS CALL NO.: none
- McLaren, K.A. 1972. A vegetation study of the islands and associated marshes in the South Arm of the Fraser R. from Deas Island Tunnel to Westham Island foreshore. Unpub. rept., B.C. Fish. Wildl. Branch, Dept. Recreation & Conservation, Victoria, 54p.
KEYWORDS: Main Arm, plants, vascular plants, distribution.
REF. NO.: ..354 LOCATION: Butler, CWS CALL NO.: none
- Moody, A.I. 1978. Growth and distribution of the vegetation of a southern Fraser River marsh. M.Sc. thesis, Dept. Botany, UBC.
KEYWORDS: Main Arm, plants, vascular plants, distribution, production.
REF. NO.: ..355 LOCATION: Botany, UBC CALL NO.: none
- Reynolds, L.M. 1979. Organochlorine pesticide and PCB residue analyses of Great Blue Heron eggs. Canadian Wildlife Service Rept. ORF 79-4.
KEYWORDS: estuary, birds, bioaccumulation, chlorinated hydrocarbons, PCB's.
REF. NO.: ..356 LOCATION: Whitehead, CWS CALL NO.: none
- Swinbanks, D.D. 1979. Environmental factors controlling floral zonation and the distribution of burrowing and tube-dwelling organisms on Fraser Delta tidal flats, B.C.. Ph.D. thesis, Dept. Botany, UBC, 274p.
KEYWORDS: estuary, plants, algae, invertebrates, benthos, physical environment.
REF. NO.: ..357 LOCATION: Botany, UBC CALL NO.: none
- Taylor, E.W. 1950. A study of factors affecting reproduction and survival of Ring-necked pheasant in the Lower Fraser valley of B.C. M.Sc. thesis, Dept. Zoology, UBC.
KEYWORDS: estuary, birds, Galliformes, abundance.
REF. NO.: ..358 LOCATION: Zoology, UBC CALL NO.: none
- Yamanaka, K. 1975. Primary productivity of the Fraser River delta foreshore: yield estimates of emergent vegetation. M.Sc. thesis, Dept. Plant Science, UBC.
KEYWORDS: estuary, plants, vascular plants, production.
REF. NO.: ..359 LOCATION: Plant Sci., UBC CALL NO.: none

REFERENCES (listing continued):

- Burton, B.A. 1977. Some aspects of the ecology of Lesser Snow Geese wintering on the Fraser River estuary. M.Sc. thesis, Dept. Animal Science, UBC.
KEYWORDS: estuary, birds, waterfowl, feeding, distribution.
REF. NO.: ..360 LOCATION: Anim. Sci. UBC CALL NO.: none
- Hall, K.J. 1977. Pollution in the Fraser River estuary delta. Paper presented at the Fraser River conference, Douglas College, June 17-19, 1977.
KEYWORDS: estuary, water quality, contaminant sources, sediments, trace metals.
REF. NO.: ..362 LOCATION: new CALL NO.: new
- Clark, M.J.R. 1976. Mercury concentrations in lake, river, and marine waters of British Columbia. Fish. Marine Service, Pac. Biol. Station, Nanaimo, Circular No. 105.
KEYWORDS: Main Arm, water quality, trace metals, mercury.
REF. NO.: ..364 LOCATION: new CALL NO.: new
- Johnston, N.T. 1981. The feeding ecology of *Neomysis mercedis* Holmes in the Fraser River estuary. M.Sc. thesis, Dept. Zoology, UBC.
KEYWORDS: Main Arm, invertebrates, epibenthos, mysids, feeding.
REF. NO.: ..365 LOCATION: new CALL NO.: new
- Johnston, N.T. and D.C. Lasenby. 1982. Diet and feeding of *Neomysis mercedis* Holmes (Crustacea, Mysidacea) from the Fraser River estuary, B.C.. Can. J. Zoology 60(5):813-824.
KEYWORDS: Main Arm, invertebrates, epibenthos, mysids, feeding.
REF. NO.: ..366 LOCATION: new CALL NO.: new
- Thompson, J.A.J. and D.W. Paton. 1978. Heavy metals in benthic organisms from Point Grey dumpsite, Vancouver B.C.. Institute of Ocean Sciences, Patricia Bay, Dept. Fish. and Environ., Pac. Mar. Sci. Rep. 78-11.
KEYWORDS: Sturgeon Bank, contaminant sources, industrial effluents, invertebrates, benthos, bioaccumulation.
REF. NO.: ..367 LOCATION: new CALL NO.: new
- Matson, R.G. 1980. Prehistoric subsistence patterns in the Fraser delta the evidence from the Glenrose cannery site. B.C. Studies 48:64-85.
KEYWORDS: Main Arm, water use, fish, birds, invertebrates, distribution.
REF. NO.: ..368 LOCATION: new CALL NO.: new
- Levings, C.D., R. Armour and N.G. McDaniel. 1978. A trench through mudflat communities of macroinvertebrates on Roberts Bank, Fraser River delta, B.C. Manusc. Rep. Fish. Mar. Serv. (Can.) No. 151, 55p.
KEYWORDS: Roberts Bank, invertebrates, water use, commercial use, dredging, abundance.
REF. NO.: ..369 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Pomeroy, W.M., D. Gordon and C.D. Levings. 1981. Data report on brackish marsh transplant experiments at the Fraser estuary. Dept. Fish. & Oceans, West Vancouver, B.C.
KEYWORDS: estuary, plants, vascular plants, sediments, particle size, abundance:
REF. NO.: ..370 LOCATION: new CALL NO.: new
- Levings, C.D. 1980. Consequences of training walls and jetties for aquatic habitats at two British Columbia estuaries. In: Coastal Eng. 4(2):111-136, Elsevier Pub. Co., Amsterdam, NL.
KEYWORDS: estuary, invertebrates, water use, physical environment, sediments, training walls.
REF. NO.: ..371 LOCATION: new CALL NO.: new
- Levings, C.D. 1982. Short term use of a low tide refuge in a sandflat by juvenile chinook, (*Oncorhynchus tshawytscha*), Fraser River estuary. Can. Tech. Rep. Fish. Aquat. Sci. No 1111, 33p.
KEYWORDS: Sturgeon Bank, fish, salmon, feeding, invertebrates, abundance.
REF. NO.: ..372 LOCATION: new CALL NO.: new
- Levings, C.D. 1980. Account of a workshop on restoration of estuarine habitats. Can. Manusc. Rep. Fish. Aquat. Sci. No. 1571, 29p.
KEYWORDS: estuary, fish, birds, plants, invertebrates, water use.
REF. NO.: ..373 LOCATION: new CALL NO.: new
- Greer, G.L. et al. 1980. Distribution of fish species on Roberts and Sturgeon Banks recorded in seine and trawl surveys. Can. Manusc. Rep. Fish. Aquat. Sci. No. 1596, 55p.
KEYWORDS: estuary, fish, salmon, herring, distribution, abundance.
REF. NO.: ..374 LOCATION: new CALL NO.: new
- B.C. Research. 1974. Water quality and water movement of the Fraser River near Annacis Island. B.C. Research, 62p, 3 ref, 13 tab, 24 fig.
KEYWORDS: Main Arm, water quality, physical environment, salinity, tides, fecal coliforms.
REF. NO.: ..375 LOCATION: new CALL NO.: new
- Greater Vancouver Regional District. 1976. Regional Parks Review: 1976, History, status and current planning. Greater Vancouver Regional District, 26p.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..376 LOCATION: GVRD library CALL NO.: none
- Koch, F.A. and W.K. Oldham. 1976. Lower Fraser River/estuary dissolved oxygen dynamics. Water Quality Tech. Rep. No. 2, 152p, Dep. Civil Eng., U.B.C.
KEYWORDS: estuary, physical environment, water quality, oxygen, modelling, tides.
REF. NO.: ..377 LOCATION: L. Swain CALL NO.: none

REFERENCES (listing continued):

- Romaine, M.J. 1977. Fraser River delta and estuary region: federal land ownership and jurisdiction. Lands Directorate, Fisheries and Environment Canada, map.
KEYWORDS: estuary, water use, management.
REF. NO.: ..378 LOCATION: E. Swain CALL NO.: none.
- Leach, B.A. 1975. Waterfowl habitat management and use in the Lower Fraser valley. Institute of Environmental Studies, Douglas College, 31pp.
KEYWORDS: estuary, birds, waterfowl, distribution.
REF. NO.: ..379 LOCATION: GVRD library CALL NO.: K165 L37
- S.P.E.C. 1972. Fraser estuary study project. British Columbia. British Columbia Environmental Council, 50p + (3)p incl. bibliography.
KEYWORDS: estuary.
REF. NO.: ..380 LOCATION: S.P.E.C CALL NO.: LFRA 032
- Reid, B.T. 1975. Lower mainland pleasure boating: the potential role of the North and Middle Arms of the Fraser River. Report by Thompson, Berwick, Pratt, and Partners, 23pp.
KEYWORDS: North Arm, water use, recreational use, boating.
REF. NO.: ..381 LOCATION: GVRD library CALL NO.: K220 R43
- Fisheries and Environment Canada. 1977. Fraser River delta and estuary region: outdoor recreation. Lands Directorate, Environment Canada, maps.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..382 LOCATION: GVRD library CALL NO.: K208 C12
- Becker, R.E. 1971. An ecological perspective of the Fraser River delta foreshores. M.Sc. thesis, Dept. Plant Science, UBC, 49pp.
KEYWORDS: estuary, plants, vascular plants.
REF. NO.: ..383 LOCATION: GVRD library CALL NO.: K172 B42
- Swain, L.G. and G.B. Holms. 1985. Water quality assessment and objectives. Fraser-Delta area. Fraser River sub-basin from Kanaka Creek to the mouth. Resource Quality Section, Water Management Branch, B.C. Ministry of Environment, 16pp.
KEYWORDS: estuary, water quality, contaminant sources, industrial effluents, trace organics, trace metals.
REF. NO.: ..384 LOCATION: GVRD library CALL NO.: none
- Gore and Storrie Limited. 1985. Report on odour problems at Iona Island water pollution control plant. Unpublished report for Greater Vancouver Sewerage and Drainage District, 18pp.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, odours.
REF. NO.: ..385 LOCATION: GVRD library CALL NO.: cabinet

REFERENCES (listing continued):

- S and S Consultants. 1983. Iona deep sea outfall feasibility study. Vol. 1, Main report. Unpublished report, for GVSDD.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, fish, salmon, sediments.
REF. NO.: ..386 LOCATION: GVRD library CALL NO.: cabinet
- Greater Vancouver Sewerage and Drainage District. 1983. Iona Island sewage treatment plant source control study. Quality Control Dept., GVSDD, 102pp + append.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, water quality, effluent quality, effluent quantity.
REF. NO.: ..387 LOCATION: GVRD library CALL NO.: cabinet
- Greater Vancouver Sewerage and Drainage District. 1982. Seminar on solid waste disposal May 1, 1982. Selected papers on landfill leachate and its treatment.... GVSSD, 94pp.
KEYWORDS: estuary, contaminant sources, landfill leachates.
REF. NO.: ..388 LOCATION: GVRD library CALL NO.: cabinet
- Fraser River Board. 1963. Flood control and hydro-electric power in the Fraser river basin. Final Report. Fraser River Board, Victoria, 106pp.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..390 LOCATION: GVRD library CALL NO.: K174 F75
- Water Survey of Canada. 1985. Surface water data: Reference index. Canada 1983. Water Resources Branch, IWD, Ottawa, 1972-1985.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..391 LOCATION: WQB library CALL NO.: 808
- Thompson, Berwick, Pratt and Partners. 1975. North Fraser recreational study. Unpublished report, for GVRD.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..392 LOCATION: GVRD library CALL NO.: K235 T3
- Lea (N.D.) and Associates. 1967. Traffic study of Sea Island access and North Arm of Fraser River crossings. Unpublished report for Transport Canada and B.C. Dept. of Highways, 131pp.
KEYWORDS: estuary, water use, commercial use, shipping, recreational use, boating.
REF. NO.: ..393 LOCATION: GVRD library CALL NO.: K906 V3L3
- Greater Vancouver Regional Parks District. 1978. Outdoor recreation review: regional recreation opportunities. Greater Vancouver Regional Parks District.
KEYWORDS: estuary, water use, recreational use, boating, fishing, swimming.
REF. NO.: ..394 LOCATION: GVRD library CALL NO.: cabinet

REFERENCES (listing continued):

- Jones, R.T. and G.T. Marsh. 1985. Monitoring report on discharge of untreated sewage into North Arm of the Fraser River ... February 12 and 13, 1985. Unpublished report, Greater Vancouver Sewerage and Drainage District, 189 pp.
KEYWORDS: North Arm, contaminant sources, sewage, fish, bioassay.
REF. NO.: ..395 LOCATION: R. Jones, GVRD CALL NO.: none
- Jones, R.J. and G.T. Marsh. 1985. Monitoring report on the discharge of untreated sewage at the marshend pump station outfall June 11, 1985. Unpublished report, Greater Vancouver Sewerage and Drainage District, 10pp + append.
KEYWORDS: North Arm, contaminant sources, sewage, fish, bioassay, water use.
REF. NO.: ..396 LOCATION: R.Jones, GVRD CALL NO.: none
- Jones, R.J. curr. Bimonthly water quality monitoring of the Main Arm, Fraser River. Unpublished database (ongoing), Greater Vancouver Regional District, Vancouver.
KEYWORDS: Main Arm, water quality, trace metals, fecal coliforms, oxygen, chlorine.
REF. NO.: ..397 LOCATION: R.Jones, GVRD CALL NO.: none
- Jones, R.J. curr. Biweekly summer water quality monitoring of the North Arm, Fraser River. Unpublished database (ongoing), Greater Vancouver Regional District, Vancouver.
KEYWORDS: North Arm, water quality, fecal coliforms, oxygen, salinity.
REF. NO.: ..398 LOCATION: R.Jones, GVRD CALL NO.: none
- Jones, R.J. curr. Data base. Water quality monitoring of Iona Jetty, Roberts Bank, and Boundary Bay. Unpublished database (ongoing), Greater Vancouver Regional District, Vancouver.
KEYWORDS: estuary, water quality, physical environment, oxygen, contaminant sources, sewage.
REF. NO.: ..399 LOCATION: R.Jones, GVRD CALL NO.: none
- Anderson, E.P. et al. 1981. Environmental effects of harbor construction activities at Steveston, British Columbia. Part 1. Main Report. Can. Tech. Rept. Fish. Aquat. Sci. 1070.
KEYWORDS: Main Arm, water quality, fish, invertebrates, sediments, trace metals.
REF. NO.: ..400 LOCATION: new CALL NO.: new
- Buchanan, K. (ed.). 1983. Proceedings of the 4th Pacific coast herring workshop, October 7-8, 1981. Can. Manu. Rep. Fish. Aquat. Sci. 1700. 151pp.
KEYWORDS: estuary, fish, herring, distribution, abundance.
REF. NO.: ..401 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- B.C. Research. 1978. Summary of the effects of Annacis Island sewage discharge on water quality in the Fraser River. Unpublished report for GVSDD, 79pp.
KEYWORDS: Main Arm, water quality, contaminant sources, sewage, physical environment, fish.
REF. NO.: ..402 LOCATION: new CALL NO.: new
- Chawla, V.K., J. Yip, and D.B. Cohen. 1976. Recycling of liquid digested sewage sludge on dredged river sand. Dep. Environment, Wastewater Technology Centre, Ottawa, EN-43-4/76-3F, 44p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, plants, trace metals, fecal coliforms.
REF. NO.: ..403 LOCATION: new CALL NO.: new
- Water Survey of Canada. 1983. Sediment data Canadian rivers, 1981. Water Resources Branch, IWD, Environment Canada.
KEYWORDS: estuary, sediments, physical environment.
REF. NO.: ..404 LOCATION: WQB library CALL NO.: 808 A1631
- Water Quality Branch. 1973. Index of water quality stations. First edition. IWD, Environment Canada, 100p.
KEYWORDS: estuary, water quality.
REF. NO.: ..405 LOCATION: WQB library CALL NO.: 502 A96
- Gaspard, J.F. 1979. Beach erosion immediately south of the Tsawwassen causeway, Vancouver, B.C. B.A.Sc. thesis, Dept. Geological Engineering, UBC, 92pp.
KEYWORDS: Roberts Bank, physical environment, sediments, sedimentation, erosion.
REF. NO.: ..406 LOCATION: Luternauer, GSC CALL NO.: none
- Western Canada Hydraulic Laboratories Ltd. 1983. Final report on Fraser foreshore sediment tracing project. Unpubl. report, for Transport Canada, Can. Coast Guard, Waterways Devel. Div., 46pp.
KEYWORDS: estuary, physical environment, sediments, modelling, discharge.
REF. NO.: ..407 LOCATION: Luternauer, GSC CALL NO.: none
- Levings, C.D. 1975. Food webs and industrial disruption on the Fraser River tidal flats, British Columbia. Unpublished report.
KEYWORDS: estuary, contaminant sources, industrial effluents, sediments, fish, invertebrates.
REF. NO.: ..408 LOCATION: Luternauer, GSC CALL NO.: none
- Kolankiewicz, L.J. 1981. Implementation of British Columbia's Pollution Control Act, 1967 in the lower Fraser River - Vancouver. U.B.C, 208p, includes bibliography, author's M.Sc. thesis.
KEYWORDS: estuary, water quality.
REF. NO.: ..409 LOCATION: S.P.E.C CALL NO.: FRA 038

REFERENCES (listing continued):

- Burgess, T.E. 1970. Food and habitat of four anatinids wintering on the Fraser Delta tidal marshes. M.Sc. thesis, Dept. Zoology, UBC.
KEYWORDS: estuary, birds, waterfowl, feeding, distribution.
REF. NO.: ..410 LOCATION: Zoology, UBC CALL NO.: none
- Savard, J-P. L. 1985. Fall and winter inventories of ducks on the Fraser River delta and Boundary Bay, 1977-1978. Unpublished report, Canadian Wildlife Service, Delta, File 9410-2.
KEYWORDS: estuary, Boundary Bay, birds, waterfowl, distribution, abundance.
REF. NO.: ..411 LOCATION: new CALL NO.: new
- Fry, K. 1980. Aspects of the winter ecology of the dunlin (*Calidris alpina*) on the Fraser River delta. Unpublished report, Canadian Wildlife Service, Delta.
KEYWORDS: estuary, Boundary Bay, birds, shorebirds, feeding, abundance.
REF. NO.: ..412 LOCATION: new CALL NO.: new
- Vermeer, K. and D.B. Peakall. 1979. Trace metals in seaducks of the Fraser River delta intertidal area, British Columbia. Mar. Poll. Bull. 10(7):189-193.
KEYWORDS: estuary, birds, waterfowl, bioaccumulation, trace metals.
REF. NO.: ..413 LOCATION: new CALL NO.: new
- Greater Vancouver Sewerage and Drainage District. 1980. A public inquiry to assess pollution control objectives for the Lower Fraser River. Greater Vancouver Sewerage and Drainage District, 141p, tables.
KEYWORDS: estuary, water quality.
REF. NO.: ..414 LOCATION: S.P.E.C CALL NO.: POW 002
- Hebda, R.J. and W.G. Biggs. 1981. The vegetation of Burns Bog, Fraser delta, southwestern British Columbia. Sysis 14:1-20.
KEYWORDS: Main Arm, plants, vascular plants, distribution.
REF. NO.: ..415 LOCATION: new CALL NO.: new
- Archibald, D. and R. Bocking. 1983. Annual report summarizing 1981-82 activities on Roberts Bank. Crab habitat loss and dredge monitoring program. Unpublished report for National Harbours Board and Dept. Fisheries and Oceans, 171pp.
KEYWORDS: Roberts Bank, invertebrates, crabs, bioaccumulation, trace metals, abundance.
REF. NO.: ..416 LOCATION: new CALL NO.: new
- Kaiser, G.W., K. Fry, and J.G. Ireland. 1979. Ingestion of lead shot by dunlin (*Calidris alpina*). Unpublished report, 9050 dunlin 9104-1, Canadian Wildlife Service, Delta, 2pp.
KEYWORDS: estuary, birds, shorebirds, feeding, lead.
REF. NO.: ..417 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Church, I.R. 1970. An ecological review of our southwestern shores.
Ecological and Environmental Systems Consultants, West Vancouver.
KEYWORDS: estuary, physical environment, fish, birds, contaminant sources,
water quality.
REF. NO.: ..418 LOCATION: SPEC CALL NO.: FRA 003
- Greater Vancouver Sewerage and Drainage District. 1985. Liquid waste
management plan. Unpub. Memo, Greater Vancouver Sewerage and
Drainage District.
KEYWORDS: estuary, water quality, contaminant sources, sewage, stormwater
discharges.
REF. NO.: ..419 LOCATION: GVRD library CALL NO.: file cab.
- Butler, R.W. 1986. The birds of the Fraser River lowlands: populations,
ecology, and international significance. Draft, Canadian Wildlife
Service, Delta, Occasional Paper No., 85pp + tables.
KEYWORDS: estuary, birds, waterfowl, raptors, shorebirds, distribution.
REF. NO.: ..420 LOCATION: new CALL NO.: new
- Hillaby, B.A. 1981. The effects of coal dust on ventilation and oxygen
consumption in the dungeness crab, *Cancer magister*. Can. Tech.
Rep. Fish. Aquat. Sci. No. 1033, 18p.
KEYWORDS: Roberts Bank, invertebrates, epibenthos, crabs, water quality,
coal dust.
REF. NO.: ..421 LOCATION: Vanc. Port CALL NO.: B. Moody
- Miller, P. and L. Hensel. 1982. Roberts Bank development. A report on
habitat compensation. National Harbours Board and Dep. Fisheries
and Oceans, 82p.
KEYWORDS: Roberts Bank, plants, vascular plants, distribution, abundance.
REF. NO.: ..422 LOCATION: Vanc. Port CALL NO.: B. Moody
- Western Canada Hydraulic Laboratories Ltd. 1981. Report of hydraulic model
studies for Roberts Bank port development. National Harbours Board,
42p.
KEYWORDS: Roberts Bank, physical environment, discharge, modelling.
REF. NO.: ..423 LOCATION: Vanc. Port CALL NO.: B. Moody
- McEwan, E.H. and D.K. Gordon. none. Benthic invertebrates of Boundary Bay
and Roberts Bank, British Columbia. Canadian Wildlife Service,
Delta, 18pp.
KEYWORDS: Roberts Bank, Boundary Bay, invertebrates, benthos, distribution,
abundance.
REF. NO.: ..424 LOCATION: new CALL NO.: new
- B.C. Research. 1983. Satellite remote sensing for monitoring construction
impacts at Roberts Bank port. Results of 1982 study. Project No.
1-13-806, 41p.
KEYWORDS: Roberts Bank, plants, remote sensing.
REF. NO.: ..425 LOCATION: Vanc. Port CALL NO.: B. Moody

REFERENCES (listing continued):

McEwan, E.H. and K. Fry. none. Food habits of wintering dunlin (*Calidris alpina*). Canadian Wildlife Service, Delta, 10pp.

KEYWORDS: Boundary Bay, birds, shorebirds, feeding.

REF. NO.: ..426 LOCATION: new CALL NO.: new

Weber, W.C. 1982. Spring migrant and breeding birds of the Alaskan National Wildlife Area, British Columbia. Unpublished report, DSS file KS603-2-0015, Canadian Wildlife Service, Delta.

KEYWORDS: Main Arm, birds, waterfowl, raptors, shorebirds, abundance.

REF. NO.: ..427 LOCATION: new CALL NO.: new

Kragh, W.D. 1983. Fall migrant and resident birds of the Alaskan National Wildlife Area, British Columbia. Unpublished report, Canadian Wildlife Service, Delta, 44pp.

KEYWORDS: Main Arm, birds, waterfowl, abundance.

REF. NO.: ..428 LOCATION: new CALL NO.: new

Forbes, L.S. et al. 1985. Great blue heron colonies in British Columbia. Unpublished report, Canadian Wildlife Service, Delta, 78pp.

KEYWORDS: North Arm, birds, herons, abundance, feeding.

REF. NO.: ..429 LOCATION: new CALL NO.: new

Water Planning and Management Branch and Water Resources Br. 1983. Fraser River model study. The application of a 1-dimensional hydrodynamic model to the lower Fraser River. Environment Canada, 61p.

KEYWORDS: estuary, physical environment, sediments, discharge, modelling.

REF. NO.: ..430 LOCATION: WPMB library CALL NO.: F1-HF.11

Kellerhals, P. and J.W. Murray. 1969. Tidal flats at Boundary Bay, Fraser River delta, British Columbia. Bull. Can. Petrol. Geol. 17(1):67-91.

KEYWORDS: Boundary Bay, sediments, sedimentation.

REF. NO.: ..431 LOCATION: new CALL NO.: new

Gough, G. 1981. Environmental impact review. Roberts Bank port. Internal report, Waste Management Branch, 11p.

KEYWORDS: Roberts Bank, water quality, sediments, particle size, oxygen, turbidity.

REF. NO.: ..432 LOCATION: Vanc. Port CALL NO.: B. Moody

Archibald, D. 1982. Interim report summarizing 1981 activities on Roberts Bank dredge and aquatic monitoring program. Unpub. rept. for National Harbours Board and Dept. Fish. Oceans, 52pp.

KEYWORDS: Roberts Bank, invertebrates, benthos, crabs, abundance, feeding.

REF. NO.: ..433 LOCATION: new CALL NO.: new

Can. Scientific Society for Polln. & Environmental Control. 1970. The Fraser River report. S.P.E.C, 52p tables.

KEYWORDS: estuary, contaminant sources, water quality, sewage, agricultural effluents, pesticides.

REF. NO.: ..434 LOCATION: S.P.E.C CALL NO.: FRA 033

REFERENCES (listing continued):

- Vermeer, K. and C.D. Levings. 1977. Populations, biomass, and food habits of ducks on the Fraser delta intertidal area, British Columbia. *Wildfowl* 28:49-60.
KEYWORDS: estuary, birds, waterfowl, feeding, invertebrates.
REF. NO.: ..435 LOCATION: new CALL NO.: new
- Greater Vancouver Regional District. 1977. Fraser River recreation report. The results of a summer survey (August 1977) of visitors to recreation sites along the Fraser R. and estuary downriver Mission. Greater Vancouver Regional District.
KEYWORDS: estuary, water use, recreational use.
REF. NO.: ..436 LOCATION: G.V.R.D CALL NO.: REC 005
- Dawe, N.K., C.S. Runyan, and R. McKelvey. 1978. Seasonal food habits of the barn owl (*Tyto alba*) on the Alaksen National Wildlife Area, British Columbia. *Can. Field Naturalist* 92(2):151-155.
KEYWORDS: Main Arm, birds, raptors, feeding.
REF. NO.: ..437 LOCATION: new CALL NO.: new
- Medley, E. and J.L. Luternauer. 1976. Use of aerial photographs to map sediment distribution and identify historical changes on a tidal flat. *Geol. Survey of Canada, Paper 76-1C*, p.293-304.
KEYWORDS: estuary, sediments, distribution.
REF. NO.: ..438 LOCATION: new CALL NO.: new
- Swain, L.G. 1983. Stormwater area, Vancouver, B.C. Res. Quality Sec., Water Manag. Branch, B.C. Ministry of Environment, 250p.
KEYWORDS: North Arm, contaminant sources, stormwater discharges, water quality, nutrients, trace metals.
REF. NO.: ..439 LOCATION: L. Swain CALL NO.: none
- B.C. Research. 1982. Satellite remote sensing for monitoring construction impacts at Roberts Bank port, Phase II study. Project No. 1-13-532, 32p.
KEYWORDS: Roberts Bank, plants, remote sensing.
REF. NO.: ..440 LOCATION: Vanc. Port CALL NO.: B. Moody
- Swinbanks, D.D. 1982. Intertidal exposure zones: a way to subdivide the shore. *J. Exp. Mar. Biol. Ecol.* 62:69-86.
KEYWORDS: Roberts Bank, physical environment, tides.
REF. NO.: ..441 LOCATION: new CALL NO.: new
- Nelson, C.S. and M.F. Lawrence. 1984. Methane-derived high-Mg calcite submarine cement in Holocene nodules from the Fraser delta, British Columbia, Canada. *Sedimentology* 31:645-654.
KEYWORDS: estuary, sediments.
REF. NO.: ..442 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Higgs, T.W. 1977. A study of municipal wastewater toxicity, Iona Island sewage treatment plant, October 1976. EPS MS Rep. 77-3, 47p.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality, bioassay, chlorine.
REF. NO.: ..443 LOCATION: WQB:libr 1302.2 CALL NO.: A1641
- Thomas, D.J. and E.V. Grill. 1977. The effect of exchange reactions between Fraser River sediment and seawater on dissolved Cu and Zn concentrations in the Strait of Georgia. *Estuarine and Coastal Marine Science* 5:421-427.
KEYWORDS: estuary, water quality, trace metals, sediments, desorption, copper.
REF. NO.: ..444 LOCATION: new CALL NO.: new
- Shephard, F.P. and J.D. Milliman. 1978. Sea-floor currents on the foreshore slope of the Fraser River delta, British Columbia (Canada). *Marine Geology* 28:245-251.
KEYWORDS: estuary, physical environment, currents, tides.
REF. NO.: ..445 LOCATION: new CALL NO.: new
- Duggan, D.M. and J.L. Luternauer. 1985. Development-induced tidal flat erosion, Fraser River delta, British Columbia. In *Current Research, Part A, Geol. Survey of Canada, paper 85-1A, p.317-326.*
KEYWORDS: Roberts Bank, sediments, erosion, vascular plants, eelgrass.
REF. NO.: ..446 LOCATION: new CALL NO.: new
- Clague, J.J. and J.L. Luternauer. 1982. Where the river meets the sea, studies of the Fraser delta. *Geos* 11(2):8-12.
KEYWORDS: estuary, sediments, sedimentation.
REF. NO.: ..447 LOCATION: new CALL NO.: new
- Western Canada Hydraulic Laboratories Ltd. 1979. A pilot sand tracing study on the Fraser foreshore. Unpublished rept. for Dept. Supply and Services, 21p.
KEYWORDS: Roberts Bank, sediments, sedimentation, transport.
REF. NO.: ..448 LOCATION: new CALL NO.: new
- Garrison, R.E. et al. 1969. Early diagenetic cementation of recent sands, Fraser River delta, British Columbia. *Sedimentology* 12:27-46.
KEYWORDS: estuary, physical environment, sediments, particle size.
REF. NO.: ..449 LOCATION: new CALL NO.: new
- MacDonald, A. 1983. Utilization of nearshore habitats by juvenile salmon and herring, southern Roberts Bank, B.C.. Port of Vancouver, Nat. Harbours Board, 20p.
KEYWORDS: Roberts Bank, fish, salmon, distribution, abundance.
REF. NO.: ..450 LOCATION: Vanc. Port CALL NO.: B. Moody

REFERENCES (listing continued):

Roberts, M.C. et al. 1985. Sedimentary framework of the Fraser River delta, British Columbia: Preliminary field and laboratory results. In: Current Research, Part A, Geological Survey of Canada, Paper 85-1A:717-722.

KEYWORDS: estuary, sediments, sedimentation..

REF. NO.: ..451 LOCATION: new CALL NO.: new

Luternauer, J.L., J.J. Clague, and C.H. Pharo. 1983. Substrates of the Strait of Georgia, British Columbia. Can. J. Fish. Aquat. Sci. 40(7):1026-1032.

KEYWORDS: estuary, sediments, particle size.

REF. NO.: ..452 LOCATION: new CALL NO.: new

Luternauer, J.L. and W.D. Liam Finn. 1983. Stability of the Fraser River delta front. Canadian Geotechnical Journal 20(4):603-616.

KEYWORDS: estuary, physical environment, sediments, stability.

REF. NO.: ..453 LOCATION: new CALL NO.: new

Kostaschuk, R.A., J.L. Luternauer and T.H. Millard. 1986. Sediment transport during the 1985 freshet in the outer main channel of the Fraser River estuary, British Columbia. Current Research, Part A, Geological Survey of Canada, Paper 86-1A:565-570.

KEYWORDS: Main Arm, physical environment, sediments, sediment load, discharge, tides.

REF. NO.: ..454 LOCATION: new CALL NO.: new

Luternauer, J.L. 1980. Genesis of morphologic features on the western delta front of the Fraser River, British Columbia - Status of knowledge. In: The Coastline of Canada, S.B. McCann (editor), Geological Survey of Canada, Paper 80-10:381-396.

KEYWORDS: estuary, sediments, distribution.

REF. NO.: ..455 LOCATION: new CALL NO.: new

Luternauer, J.L. and J.W. Murray. 1973. Sedimentation on the western delta-front of the Fraser River, British Columbia. Can. J. Earth Sci. 10:1642-1463.

KEYWORDS: estuary, sediments, sedimentation, erosion, particle size, bathymetry.

REF. NO.: ..456 LOCATION: new CALL NO.: new

Clague, J.J. and J.L. Luternauer. 1983. Late Quarternary geology of southwestern British Columbia, Trip 6, Field Trip Guidebook. Geological Association of Canada, Victoria Section.

KEYWORDS: estuary, sediments, distribution.

REF. NO.: ..457 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Clark, M.J.R., Krahn, P.K. and J.R. Walker. 1981. Fraser River Estuary Study:water quality. Dry weather storm sewer discharges. APD Bulletin 11, Ministry of Environment, Victoria, B.C.
KEYWORDS: estuary, contaminant sources, stormwater discharges, effluent quality, trace metals, nutrients.
REF. NO.: ..458 LOCATION: new CALL NO.: new
- Rocchini, R.J., W.A. Bergerud and R.W. Drinnan. 1981. Fraser River Estuary Study:water quality. Survey of fecal coliforms in 1978. APD Bulletin 21 (VI) prepared for Aquatic Studies Branch, Ministry of Environment, Victoria, B.C., 20p.
KEYWORDS: estuary, bacteria, fecal coliforms.
REF. NO.: ..459 LOCATION: new CALL NO.: new
- Bergerud, W.A. and L.J. Alexander. 1981. Fraser River Estuary Study:water quality. Survey of dissolved oxygen in 1978. APD Bulletin 18 Prepared for Aquatic Studies Branch, Ministry of Environment, Victoria, B.C.
KEYWORDS: estuary, water quality, oxygen.
REF. NO.: ..460 LOCATION: new CALL NO.: new
- Wan, M. prep. Fraser River estuary pesticide monitoring study 1985-1986. Unpublished report, EPS, West Vancouver.
KEYWORDS: estuary, water quality, trace organics, chlorinated hydrocarbons.
REF. NO.: ..461 LOCATION: Wan, EPS CALL NO.: none
- Wan, M. prep. Toxicity to rainbow trout of selected 2,4-D formulations. Unpublished draft report, EPS, West Vancouver.
KEYWORDS: estuary, fish, bioassay, chlorinated hydrocarbons.
REF. NO.: ..462 LOCATION: Wan, EPS CALL NO.: none
- Wan, M. prep. Persistence of glyphosate and its metabolites in coastal British Columbia streams. Unpublished draft report, EPS, West Vancouver.
KEYWORDS: estuary, water quality, trace organics, organophosphates.
REF. NO.: ..463 LOCATION: Wan, EPS CALL NO.: none
- Mannerstrom, M. and D.G. McLean. 1985. Estimating bedload transport in the lower Fraser River. Can. Society for Civil Engineering, 7th Can. Hydrotechnical Conf., Proceedings 1B:97-116.
KEYWORDS: estuary, physical environment, sediments, sediment load.
REF. NO.: ..464 LOCATION: M. Church CALL NO.: Geog. UBC
- Martens, D.W., R.W. Gordon, and J.A. Servizi. 1980. Toxicity of butoxyethyl ester of 2,4-D to selected salmon and trout. Int. Pac. Salmon Fish. Comm. Prog. Rep. No. 40, 18p.
KEYWORDS: Main Arm, water quality, trace organics, toxicity, fish, bioassay.
REF. NO.: ..465 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- McLean, D.G. and M. Church. 1986. A re-examination of sediment transport data in lower Fraser River. Fraser River Project. Progress Rpt. 4.
KEYWORDS: estuary, physical environment, sediments, sediment load.
REF. NO.: ..466 LOCATION: M. Church CALL NO.: Geog. UBC
- International Pac. Salmon Fish. Comm. none. Potential effects of the Kemano completion project on Fraser River sockeye and pink salmon. 5p.
KEYWORDS: estuary, fish, salmon, migration, abundance.
REF. NO.: ..467 LOCATION: new CALL NO.: new
- Derksen, G. prep. Seasonal differences in the water quality of No. 7 Road ditch in the nearshore area of the Fraser River adjacent to Richmond landfill. EPS, West Vancouver.
KEYWORDS: Main Arm, water quality, contaminant sources, landfill leachates, trace organics, trace metals.
REF. NO.: ..468 LOCATION: EPS CALL NO.: none
- Pomeroy, W.M. and A. Coledey. prep. PCP distribution in Boundary Bay. EPS, Environment Canada, West Vancouver.
KEYWORDS: Boundary Bay, water quality, sediments, trace organics, PCP's.
REF. NO.: ..469 LOCATION: EPS, West Van CALL NO.: none
- Pomeroy, W.M. prep. Trace metal analysis of sediments of the Fraser River foreshore. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, sediments, trace metals.
REF. NO.: ..470 LOCATION: EPS West Van CALL NO.: none
- Coastline Environmental Sciences Ltd. prep. Liquid waste management study. Phase 1. Current literature. Greater Vancouver Sewerage and Drainage District.
KEYWORDS: estuary, water quality, contaminant sources.
REF. NO.: ..471 LOCATION: R. Jones, GVRD CALL NO.: none
- Wilson, D. prep. Reports on chlorinated phenols, cadmium, lead, and agricultural pesticide monitoring in the Fraser River estuary. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, water quality, trace organics, trace metals.
REF. NO.: ..472 LOCATION: EPS West Van CALL NO.: none
- Garrett, C.L., H. Sneddon, J. Shrimpton, and L. MacLeod. prep. Cadmium in the B.C. and Yukon environment. EPS, Environment Canada, West Vancouver, Regional progress report.
KEYWORDS: estuary, water quality, sediments, trace metals, fish, birds.
REF. NO.: ..473 LOCATION: EPS West Van CALL NO.: none
- Garrett, C.L. prep. Chemicals in the environment. Pacific and Yukon Region. I. Mercury. EPS, Environment Canada, West Vancouver.
KEYWORDS: estuary, water quality, sediments, trace metals, fish, birds.
REF. NO.: ..474 LOCATION: EPS West Van CALL NO.: none

REFERENCES (listing continued):

Garrett, C.L. prep. Chemicals in the environment, Pacific and Yukon Region.
II. Cadmium. EPS, Environment Canada, West Vancouver.

KEYWORDS: estuary, water quality, sediments, trace metals, fish, birds.

REF. NO.: ..475 LOCATION: EPS West Van CALL NO.: none

Garrett, C.L. prep. Chemicals in the environment. Pacific and Yukon Region.
III. Polychlorinated biphenols. EPS, Environment Canada, West Vancouver.

KEYWORDS: estuary, water quality, sediments, trace organics, fish, birds.

REF. NO.: ..476 LOCATION: EPS West Van CALL NO.: none

Garrett, C.L. prep. Chemicals in the environment. Pacific and Yukon Region.
IV. Lead. EPS, Environment Canada, West Vancouver.

KEYWORDS: estuary, water quality, sediments, trace metals, fish, birds.

REF. NO.: ..477 LOCATION: EPS West Van CALL NO.: none

Garrett, C.L. prep. Chemicals in the environment. Pacific and Yukon Region.
V. Chlorophenols. EPS, Environment Canada, West Vancouver.

KEYWORDS: estuary, water quality, sediments, trace organics, fish, birds.

REF. NO.: ..478 LOCATION: EPS West Van CALL NO.: none

Garrett, C.L. 1983. An overview of PCB's and their current status in
British Columbia. EPS, Pacific and Yukon Region, Regional Prog.
Rep. 83-16.

KEYWORDS: estuary, water quality, sediments, trace organics, PCB's,
invertebrates.

REF. NO.: ..479 LOCATION: EPS West Van CALL NO.: none

Cantest Limited. 1982. Analysis of environmental contaminants in tissues of
fish from the Fraser River. DSS file 05SB.KE202-0-0972, EPS, West
Vancouver.

KEYWORDS: estuary, fish, bioaccumulation, trace organics, chlorinated
hydrocarbons, pH.

REF. NO.: ..480 LOCATION: EPS, W.Van CALL NO.: Shrimpton

Maguire, R.J. et al. 1985. Occurrence of organotin compound in water and
sediment in Canada. Canada Centre for Inland Waters, Contribution
No. 85-78.

KEYWORDS: estuary, water quality, sediments, trace organics.

REF. NO.: ..481 LOCATION: EPS West Van CALL NO.: Shrimpton

Waters, R.D.. 1986. Initial environmental assessment profile of Vancouver
harbour. Vol.2 Annotated bibliog. on some aspects of the environment
of Vancouver harbour, Burrard Inlet. Rep. for EPS, W. Vancouver.

KEYWORDS: estuary, bibliography, water quality, sediments, contaminant
sources, trace metals.

REF. NO.: ..482 LOCATION: EPS, W.Van CALL NO.: D.Goyette

REFERENCES (listing continued):

- North, M.E.A., M.W. Dunn, and J.M. Teversham. 1979. Vegetation of the southwestern Fraser lowland, 1858-1880. Lands Directorate, Environment Canada, Vancouver.
KEYWORDS: estuary, plants, vascular plants, distribution, maps.
REF. NO.: ..483 LOCATION: Butler, CWS CALL NO.: none
- Swan Wooster Engineering Co. Ltd. 1982. An impact assessment of the expansion of Roberts Bank on Delta. Draft rep., National Harbours Board, 26p.
KEYWORDS: Roberts Bank, water use.
REF. NO.: ..484 LOCATION: Vanc. Port CALL NO.: B. Moody
- Public Works Canada. none. Annual Survey Plans. Sets 1 and 2. South and North Arms. Unpublished rept., Public Works Canada.
KEYWORDS: estuary, sediments, bathymetry.
REF. NO.: ..485 LOCATION: H. Wu, PWC CALL NO.: none
- Pharo, C. 1972. Sediments in the central and southern Straits of Georgia, British Columbia. Ph.D. thesis, Dept. Geological Sciences, UBC.
KEYWORDS: estuary, sediments.
REF. NO.: ..486 LOCATION: Water Survey CALL NO.: C. Pharo
- Fish and Wildlife Branch. 1986. Region II (Lower Mainland) steelhead/sea-run cutthroat management 1986 and beyond. B.C. Min. Environment. 14p+.
KEYWORDS: estuary, fish, steelhead, water use, recreational use, fishing.
REF. NO.: ..487 LOCATION: new CALL NO.: new
- Swiatkiewicz, V.J. none. Lower Mainland Region fisheries management statement. Fisheries Branch, Min. Environ.
KEYWORDS: estuary, fish, water use, recreational use, fishing.
REF. NO.: ..488 LOCATION: new CALL NO.: new
- Moore, B.J. and G.R. Gough. 1980. Hog fuel as a fill in the south Westminister area. A review and water chemistry survey November 1979 - January 1980. Waste Management Branch, Ministry of Environment.
KEYWORDS: Main Arm, contaminant sources, landfill leachates, effluent quality, BOD.
REF. NO.: ..489 LOCATION: new CALL NO.: new
- Higham, J. 1983. Fraser River log management review. Fraser River Harbour Commission, Fraser Port.
KEYWORDS: estuary, water use, commercial use, log storage.
REF. NO.: ..490 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Lands Directorate, Fisheries and Environment Canada. 1977. Fraser River delta and estuary region: outdoor recreation. Lands Directorate, Fisheries and Environment Canada.
KEYWORDS: estuary, water use, recreational use, maps.
REF. NO.: ..491 LOCATION: new CALL NO.: new
- Council of Forest Industries, B.C. 1981. Summary Report. Estuary, foreshore and water log handling and transportation study. COFI, DFO, MOE.
KEYWORDS: estuary, water use, commercial use, log storage.
REF. NO.: ..492 LOCATION: new CALL NO.: new
- Fox, I.K. and J.P. Nowlan. 1978. The management of estuarine resources in Canada. Canadian Environmental Advisory Council Report No. 6, 51p.
KEYWORDS: estuary, fish, water use, commercial use.
REF. NO.: ..493 LOCATION: new CALL NO.: new
- Water Quality Work Group. 1979. Fraser River Estuary Study: water quality. Summary report. Fraser River Estuary Study, B.C. Min. Environment, 176p.
KEYWORDS: estuary, water quality, contaminant sources, sewage, bioaccumulation, stormwater discharges.
REF. NO.: ..494 LOCATION: new CALL NO.: new
- B.C. Ministry of Environment. none. The Fraser River flood control program. B.C. Ministry of Environment, Environment Canada.
KEYWORDS: estuary, physical environment, discharge.
REF. NO.: ..495 LOCATION: new CALL NO.: new
- Habitat Work Group. 1978. Habitat. Fraser River Estuary Study. Habitat Work Group, Fraser River Estuary Study, Victoria.
KEYWORDS: estuary, physical environment, sediments, fish, birds, water use.
REF. NO.: ..496 LOCATION: FRES, N. West. CALL NO.: none
- Water Quality Work Group. 1978. Water Quality - Interim Report. Water Quality Work Group, Fraser River Estuary Study, Victoria.
KEYWORDS: estuary, water quality, contaminant sources, sediments, plants, fish.
REF. NO.: ..497 LOCATION: FRES, N. West CALL NO.: none
- Area Designation Task Force. 1981. First Draft Report of the Area Designation Task Force to the Fraser River Estuary Planning Committee. Fraser River Estuary Study, Ministry of Environment, Victoria.
KEYWORDS: estuary, water quality, water use, fish, birds, management.
REF. NO.: ..498 LOCATION: FRES CALL NO.: none

REFERENCES (listing continued):

- Area Designation Task Force. 1982. Final Draft Report of the Area Designation Task Force to the Fraser River Estuary Planning Committee. Fraser River Estuary Study, Surrey.
KEYWORDS: estuary, water quality, water use, fish, birds, management.
REF. NO.: ..499 LOCATION: FRES CALL NO.: none
- Area Designation Task Force. 1982. Report of the Area Designation Task Force. Fraser River Estuary Study, Surrey.
KEYWORDS: estuary, water quality, water use, fish, birds, management.
REF. NO.: ..500 LOCATION: FRES CALL NO.: none
- Fraser River Estuary Study Planning Committee. 1981. A living river by the door. A public review workbook on the draft management program for the Fraser River estuary. Fraser River Estuary Study, Surrey.
KEYWORDS: estuary, water use, management.
REF. NO.: ..501 LOCATION: FRES CALL NO.: none
- Rosberg, G.E. and S.C. Byers. 1985. Fisheries and aquatic studies for the proposed Fraser Richmond Terminal development. Rep. for Fraser River Harbour Comm., 151p.
KEYWORDS: Main Arm, water quality, sediments, trace metals, trace organics, fish.
REF. NO.: ..502 LOCATION: WPMB library CALL NO.: F1-EF.5
- Fraser River Flood Control Program. 1968. Information guide, 27p. .
KEYWORDS: estuary, physical environment, flooding, management.
REF. NO.: ..503 LOCATION: FRES, N. West CALL NO.: none
- Roberts Bank Environmental Review Committee. 1983. Progress Report, Roberts Bank Environmental Review Committee. Roberts Bank Environmental Review Committee.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..504 LOCATION: FRES, N. West CALL NO.: none
- Colnett, D. et al. 1986. Analysis of log storage in the North Fraser harbour: development of a terms of reference. ESSA Ltd. for N. Fraser Harbour Comm., 60p.
KEYWORDS: North Arm, water use, commercial use, log storage, fish, birds.
REF. NO.: ..505 LOCATION: FRES, N. West CALL NO.: none
- Cypress Resource Consultants Ltd. 1983. EIA of construction of a natural gas pipeline across Roberts Bank. Vol.5. The potential impact on public use of pipeline construction across Roberts Bank. B.C. Hydro.
KEYWORDS: Roberts Bank.
REF. NO.: ..506 LOCATION: B.C. Hydro CALL NO.:

REFERENCES (listing continued):

Waste Management Branch. 1978. Data base of water quality sampling at five stations, Fraser River estuary 1972-1978+ (computer summary sheets). Waste Management Branch, Surrey.

KEYWORDS: estuary, water quality, oxygen, nutrients, major ions, trace metals.

REF. NO.: ..508 LOCATION: G. Gough CALL NO.: file cab.

Blood, D.A. and M.J. Chutter. 1983. EIA of construction of a natural gas pipeline across Roberts Bank. Vol.4. Potential impact on wildlife of pipeline construction across Roberts Bank. B.C. Hydro.

KEYWORDS: Roberts Bank.

REF. NO.: ..517 LOCATION: B.C. Hydro CALL NO.:

Leach, B.A. 1979. A bibliography of works on the natural history of waterfowl on the lower Fraser River. Information Booklet No. 32, Institute of Environmental Studies, Douglas College.

KEYWORDS: estuary, birds, waterfowl.

REF. NO.: ..526 LOCATION: new CALL NO.: new

Leach, B.A. (ed.). 1977. The need for conservation and management of the wetlands of the Fraser estuary and delta (A collection of papers). Information Booklet No. 28, Institute of Environmental Studies, Douglas College.

KEYWORDS: estuary, plants, marsh plants.

REF. NO.: ..527 LOCATION: new CALL NO.: new

Kostaschuk, R.A. and J.L. Luternauer. prep. Sedimentary processes in the outer main channel of the Fraser River estuary. Unpublished.

KEYWORDS: Main Arm, sediments.

REF. NO.: ..528 LOCATION: Kostaschuk CALL NO.: none

Kostaschuk, R.A. and J.L. Luternauer. prep. River discharge and tidal controls on suspended sediment transport in the Fraser estuary. Unpublished.

KEYWORDS: estuary, physical environment, discharge, tides, sediments, sediment load.

REF. NO.: ..529 LOCATION: Kostaschuk CALL NO.: none

Millard, T.H. prep. Bedforms in the Fraser River estuary. B.Sc. thesis, Dept. Geog., U.B.C.

KEYWORDS: estuary, sediments, bathymetry.

REF. NO.: ..530 LOCATION: Dep. Geog. UBC CALL NO.: none

Kostaschuk, R.A. and J.L. Luternauer. prep. A large submarine landslide at Sand Heads, Fraser River estuary, 1985. Unpublished.

KEYWORDS: Main Arm, sediments, bathymetry.

REF. NO.: ..531 LOCATION: Kostaschuk CALL NO.: none

REFERENCES (listing continued):

- Envirocon Ltd. 1980. Environmental impact assessment of repairs to the Steveston north jetty. Envirocon Ltd. for Dep. Public Works.
KEYWORDS: Main Arm, water use, commercial use, shipping, plants, fish.
REF. NO.: ..532 LOCATION: Public Works CALL NO.: 8-125
- Public Works Dep., Marine Operations, Survey Division. none. Fraser River - Annual survey plans. Sets 1 and 2. Public Works Dep., Survey Division, Marine Operations.
KEYWORDS: estuary, sediments, bathymetry.
REF. NO.: ..533 LOCATION: Public Works CALL NO.: new
- Anon. prep. Data summary report on the analysis of environmental contaminants in tissue of fish from the Fraser River. Water Management Branch.
KEYWORDS: estuary, fish, bioassay, chlorophenols, trace organics.
REF. NO.: ..534 LOCATION: L. Swain CALL NO.: none
- Golder Associates Consulting Geotechnical Engineers. 1977. Leachate containment investigation Richmond landfill, Richmond, British Columbia. Golder Associates Consulting Geotechnical Engineers for Dep. Public Works, 25p+.
KEYWORDS: Main Arm, contaminant sources, water quality, landfill leachates, major ions.
REF. NO.: ..535 LOCATION: Public Works CALL NO.: 8-25
- McAlpine, H.F. and P.W. Soper. 1976. Richmond landfill assessment study. Interim report. Fed. Activ. Poll. Abatement Group, EPS, Pac. Region, 134p.
KEYWORDS: Main Arm, contaminant sources, water quality, landfill leachates, effluent quality, fecal coliforms.
REF. NO.: ..536 LOCATION: Public Works CALL NO.: 8-25
- McLeay, D.J. 1975. Environmental monitoring program for dredging operation at Point Grey - Fisherman's basin. Prepared by Water Quality Group for Dep. Publ. Works, 8p+.
KEYWORDS: Sturgeon Bank, fish, bioassay, water use, commercial use, dredging.
REF. NO.: ..537 LOCATION: Public Works CALL NO.: 8-21
- Envirocon Ltd. 1976. Lower Fraser River channel training program initial environmental evaluation. Envirocon Ltd. for Dep. Public Works, 169p + refs.
KEYWORDS: Main Arm, water use, commercial use, dredging, training walls, fish.
REF. NO.: ..538 LOCATION: Public Works CALL NO.: 8-20

REFERENCES (listing continued):

- Ecological Subcommittee, Vancouver Airport Planning Comm. 1975. An environmental impact assessment of the Vancouver International Airport expansion proposals. Lands Directorate, Environmental Management Serv., Environment Canada.
KEYWORDS: Sturgeon Bank, physical environment, sediments, water quality, fish, birds.
REF. NO.: ..539 LOCATION: Public Works CALL NO.: 8-19
- B.C. Research. 1976. Dredging spoil sampling and analysis, Fraser River, B.C. Dep. Publ. Works.
KEYWORDS: Main Arm, water use, commercial use, dredging, sediments, particle size.
REF. NO.: ..540 LOCATION: Public Works CALL NO.: 8-16
- Airport Planning Committee. 1975. An environmental impact assessment of the Vancouver International Airport expansion proposals. Vancouver International Airport Master Plan project, Transport Canada.
KEYWORDS: Sturgeon Bank, contaminant sources, water use, commercial use, water quality, sewage.
REF. NO.: ..541 LOCATION: Public Works CALL NO.: 8-6
- Public Works of Canada. 1974. Engineering feasibility study. Potential reclamation for proposed expansion of Vancouver International Airport. Prepared for Ministry of Transport, 64p+.
KEYWORDS: estuary, sediments, physical environment, tides, dredging, discharge.
REF. NO.: ..542 LOCATION: Public Works CALL NO.: 8-2
- Hoos, R.A.W. 1977. Environmental assessment of an ocean dumpsite in the Strait of Georgia, British Columbia. EPS, Pacific Region, EPS 5-PR-77-2, 31p.
KEYWORDS: Sturgeon Bank, physical environment, sediments, invertebrates, benthos, particle size.
REF. NO.: ..543 LOCATION: Public Works CALL NO.: 8-88
- B.C. Research. 1976. Water quality of the Fraser River in relation to the disposal of dredge spoil, Steveston, B.C. Public Works Canada, 4p+.
KEYWORDS: Main Arm, water quality, water use, commercial use, dredging, oxygen.
REF. NO.: ..544 LOCATION: Public Works CALL NO.: 8-76
- B.C. Research. 1976. Ocean dumping studies - Steveston fishing harbour (waterfront site), Steveston, B.C. Public Works Canada, 4p+.
KEYWORDS: Main Arm, water use, commercial use, dredging, fishing, sediments.
REF. NO.: ..545 LOCATION: Public Works CALL NO.: 8-75

REFERENCES (listing continued):

- E.V.S. Consultants Ltd. 1979. Field sampling and analysis of dredge spoils for ocean dumping permit, Fraser River, B.C. Public Works Canada, 2p + tables + maps.
KEYWORDS: estuary, sediments, particle size, trace metals, organic content, dredging.
REF. NO.: ..546 LOCATION: Public Works CALL NO.: 8-72
- Environmental Assessment Panel, Roberts Bank port expansion. 1978. Final review. Written submissions received by the Panel prior to October 20, 1978. Environmental Assessment Panel.
KEYWORDS: Roberts Bank.
REF. NO.: ..547 LOCATION: Public Works CALL NO.: 8-72
- Beak-Hinton Consultants Ltd. 1978. Response to "A statement of deficiencies in the environmental assessment of Roberts Bank port expansion". Nat. Harbours Board, 198p.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..548 LOCATION: Public Works CALL NO.: 8-62
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.5, Appendix C. The existing socio-economic environment. Nat. Harbours Board, 153p.
KEYWORDS: Roberts Bank, water use, commercial use, shipping.
REF. NO.: ..549 LOCATION: Public Works CALL NO.: 8-62
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.2, Main report. Nat. Harbours Board, 201p.
KEYWORDS: estuary, water use, commercial use, shipping, sediments, water quality.
REF. NO.: ..550 LOCATION: Public Works CALL NO.: 8-62
- Beak-Hinton Consultants Ltd. 1977. Environmental impact assessment of Roberts Bank port expansion. Vol.1, Summary., 17p. Nat. Harbours Board.
KEYWORDS: Roberts Bank, water use, commercial use, shipping, water quality, sediments.
REF. NO.: ..551 LOCATION: Public Works CALL NO.: 8-62
- Blood, D.A. 1978. Migratory bird use of South Arm of Fraser River December 1976 through November 1977. Canadian Wildlife Service, 27p + maps.
KEYWORDS: Main Arm, birds, distribution, abundance.
REF. NO.: ..552 LOCATION: Public Works CALL NO.: 8-60
- Tutty, B.D. 1976. Assessment of techniques used to quantify salmon smolt entrainment by a hydraulic suction hopper dredge in the Fraser River estuary. Fish. and Mar. Serv., Tech. Rep. Ser. No. PAC/T-76-16.
KEYWORDS: Main Arm, water use, commercial use, dredging, fish, salmon.
REF. NO.: ..553 LOCATION: Public Works CALL NO.: 8-54

REFERENCES (listing continued):

- B.C. Research. 1977. Analysis of dredging spoils. Public Works Canada, Project No. 1-05-739-20, 2p + tables.
KEYWORDS: estuary, water use, commercial use, dredging, sediments, trace metals.
REF. NO.: ..554 LOCATION: Public Works CALL NO.: 8-52
- B.C. Research. 1975. Environmental monitoring program for dredging operation at Point Grey - Fisherman's basin, Vancouver, B.C. Public Works Canada, 8p+.
KEYWORDS: North Arm, sediments, water quality, dredging, particle size, invertebrates.
REF. NO.: ..555 LOCATION: Public Works CALL NO.: 8-39
- Kistritz, R.U. and B.J. Harrison. 1983. EIA of construction of a natural gas pipeline across Roberts Bank. Vol.3. Aquatic ecosystem of Roberts Bank, and potential impacts of pipeline construction. Rep. for B.C. Hydro, 189p.
KEYWORDS: Roberts Bank, sediments, water quality, plants, invertebrates, benthos.
REF. NO.: ..556 LOCATION: R. Kistritz CALL NO.: none
- Whelan, M.A. and E.R. McGreer. 1982. Benthic studies related to the proposed dredge spoil disposal site at Steveston, B.C. Prepared by E.V.S. Consultants Ltd. for Public Works Canada, 9p + appendices.
KEYWORDS: Main Arm, water use, commercial use, dredging, invertebrates, sediments.
REF. NO.: ..557 LOCATION: Public Works CALL NO.: 8-150
- Fry, K. 1981. Migratory bird use of experimental dredge spoil islands in the Fraser River delta. Canadian Wildlife Service, Pacific and Yukon Region, 17p + appendices.
KEYWORDS: Main Arm, water use, commercial use, dredging, birds, distribution.
REF. NO.: ..558 LOCATION: Public Works CALL NO.: 8-147
- Envirocon Ltd. and W. Canada Hydr. Ltd. 1979. Fraser River estuary habitat development program site conditions summary report. Public Works Canada, EA 1830.
KEYWORDS: estuary, physical environment, sediments, plants, bathymetry, particle size.
REF. NO.: ..559 LOCATION: Public Works CALL NO.: 8-123
- Nordin, R.N. 1985. Water quality criteria for nutrients and algae. Water Quality Unit, Res. Qual. Section, Water Manag. Br., B.C. Ministry of Environ., 7p.
KEYWORDS: estuary, water quality, nutrients, plants, algae.
REF. NO.: ..560 LOCATION: Nordin CALL NO.: B.C. WQ Br

REFERENCES (listing continued):

- Sproule-Jones, M. 1977. Handbook of key organizations affecting water quality for the Fraser River. Prepared for Conf. on the Fraser, Richmond, B.C., 18 June 1977, 40p.
KEYWORDS: estuary, water quality, contaminant sources, management.
REF. NO.: ..561 LOCATION: Public Works CALL NO.: 8-93
- Public Works Canada. curr. Sediment survey, raw data 1973 - present (in binders). Public Works Canada.
KEYWORDS: estuary, sediments.
REF. NO.: ..562 LOCATION: Public Works CALL NO.: none
- Servizi, J.A. prep. Toxicity of Fraser River suspended sediment to fish. Res. Branch, Dep. Fisheries and Oceans.
KEYWORDS: estuary, sediments, fish, water quality, turbidity, bioassay.
REF. NO.: ..563 LOCATION: Servizi CALL NO.: none
- Runyan, C.S. prep. Background summary for storm sewer washwater enforcement guidelines. Environmental Health Div., Richmond.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges.
REF. NO.: ..564 LOCATION: new CALL NO.: draft
- Valdes, M. and L.J. Albright. 1981. Survival and heterotrophic activities of Fraser River and Strait of Georgia bacterioplankton within the Fraser River plume. Marine Biology 64:231-241.
KEYWORDS: Main Arm, bacteria, salinity, nutrients.
REF. NO.: ..565 LOCATION: new CALL NO.: new
- Albright, L.J. 1977. Heterotrophic bacterial dynamics in the lower Fraser River, its estuary and Georgia Strait, British Columbia, Canada. Marine Biology 39:203-211.
KEYWORDS: estuary, bacteria, abundance, heterotrophs.
REF. NO.: ..566 LOCATION: new CALL NO.: new
- Albright, L.J. et al. 1975. Chlorinated hydrocarbon residues in fish, crabs, shellfish of lower Fraser R., estuary, and...Georgia Strait, B.C. 1972-73. Pesticides Monitoring J. 9(3):134-140.
KEYWORDS: estuary, fish, invertebrates, bioaccumulation, trace organics, PCB's.
REF. NO.: ..567 LOCATION: new CALL NO.: new
- Oloffs, P.C., L.J. Albright, S.Y. Szeto, and J. Lau. 1973. Factors affecting the behaviour of five chlorinated hydrocarbons in two natural waters and their sediments. J. Fish. Res. Board Can. 30:1619-1623.
KEYWORDS: Main Arm, water quality, sediments, trace organics, transformation.
REF. NO.: ..568 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Oloffs, P.C., L.J. Albright, and S.Y. Szeto. 1972. Fate and behaviour of five chlorinated hydrocarbons in three natural waters. *Can. J. Microbiology* 18(9):1393-1398.
KEYWORDS: Main Arm, water quality, trace organics, transformation, bacteria.
REF. NO.: ..569 LOCATION: new CALL NO.: new
- Tabata, S., and R.J. LeBrasseur. 1958. Sea water intrusion into the Fraser River and its relation to the incidence of shipworms in Steveston Cannery basin. *J. Fish. Res. Board Can.* 15(1):91-113.
KEYWORDS: Main Arm, physical environment, salinity, tides, invertebrates, shipworms.
REF. NO.: ..570 LOCATION: new CALL NO.: new
- Tabata, S., L.F. Giovando and D. Devlin. 1971. Current velocities in the vicinity of the Greater Vancouver Sewerage and Drainage District's Iona Island outfall - 1968. *Fish. Res. Bd. of Can. Technical Report No. 263*, Biological Station, Nanaimo, B.C.
KEYWORDS: Sturgeon Bank, contaminant sources, physical environment, discharge, sewage.
REF. NO.: ..571 LOCATION: S. Tabata CALL NO.: none
- Tabata, S., L.F. Giovando, J.A. Stickland and J. Wong. 1970. Current velocity measurements in the Strait of Georgia - 1969. *Fish. Res. Bd. of Can. Technical Report No. 191*, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents.
REF. NO.: ..572 LOCATION: S. Tabata CALL NO.: none
- Tabata, S., L.F. Giovando, J.A. Stickland and J. Wong. 1970. Current velocity measurements in the Strait of Georgia - 1968. *Fish. Res. Bd. of Can. Technical Report No. 178*, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents.
REF. NO.: ..573 LOCATION: S. Tabata CALL NO.: none
- Tabata, S., L.F. Giovando, J.A. Stickland and J. Wong. 1970. Current velocity measurements in the Strait of Georgia - 1967. *Fish. Res. Bd. of Can. Technical Report No. 169*, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents.
REF. NO.: ..574 LOCATION: S. Tabata CALL NO.: none
- Giovando, L.F. and S. Tabata. 1970. Measurements of surface flow in the Strait of Georgia by means of free-floating current followers. *Fish. Res. Bd. of Can. Technical Report No. 163*, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents.
REF. NO.: ..575 LOCATION: S. Tabata CALL NO.: none

REFERENCES (listing continued):

- Tabata, S. et al. 1971. Program current velocity and water temperature observations from moored instruments in Strait of Georgia 1968-1970. Fish. Res. Bd. Can. Tech. Rept. No. 253, Biological Station, Nanaimo, B.C.
KEYWORDS: estuary, physical environment, currents, temperature.
REF. NO.: ..576 LOCATION: S. Tabata CALL NO.: none
- Tabata, S. & J.A. Stickland. 1972. Summary oceanographic records from moored instruments Strait of Georgia 1969-1970 Current velocity and seawater temp. Stat. H-26. Pac. Mar. Sci. Rept. No. 72-9, Environ. Canada, Mar. Sci. Br., Pac. Region.
KEYWORDS: estuary, physical environment, currents, temperature.
REF. NO.: ..577 LOCATION: S. Tabata CALL NO.: none
- Tabata, S. & J.A. Stickland. 1972. Summary oceanographic records from moored instruments Strait of Georgia 1969-1970 Current velocity and seawater temp. Stat. H-16. Pac. Mar. Sci. Rept. No. 72-8, Environ. Canada, Mar. Sci. Br., Pac. Region.
KEYWORDS: estuary, physical environment, temperature, currents.
REF. NO.: ..578 LOCATION: S. Tabata CALL NO.: none
- Tabata, S. & J.A. Stickland. 1972. Summary oceanographic records from moored instruments Strait of Georgia 1969-1970 Current velocity and seawater temp. Stat. H-06. Pac. Mar. Sci. Rept. No. 72-7, Environ. Canada, Mar. Sci. Br., Pac. Region.
KEYWORDS: estuary, physical environment, temperature, currents.
REF. NO.: ..579 LOCATION: S. Tabata CALL NO.: none
- Barker, M.L. 1974. Oil tankers and Canada's Pacific seaboard. Geosci. Canada 1(1):31-34.
KEYWORDS: estuary, water use, commercial use, shipping, contaminant sources, chemical spills.
REF. NO.: ..580 LOCATION: new CALL NO.: new
- Royer, L., and W.J. Emery. 1982. Variations of the Fraser River plume and their relationship to forcing by tide, wind and discharge. Atmosphere-Ocean 20(4):357-372.
KEYWORDS: Roberts Bank, physical environment, salinity.
REF. NO.: ..581 LOCATION: new CALL NO.: new
- Cordes, R.E. et al. 1980. Estimates of entrainment in the Fraser River plume, British Columbia. Atmos. Ocean 18(1):15-26.
KEYWORDS: estuary, physical environment, salinity, currents.
REF. NO.: ..582 LOCATION: new CALL NO.: new
- Devlin, D.G. 1968. Wastewater treatment plant design experience at Vancouver, British Columbia. J. Water Poll. Contr. Fed. 40(3):468-477.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quantity.
REF. NO.: ..583 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Quick, M.C. and A. Pipes. 1976. A combined snowmelt and rainfall runoff model. *Can. J. Civ. Eng.* 3:449-460.
KEYWORDS: estuary, physical environment, discharge, modelling.
REF. NO.: ..584 LOCATION: new CALL NO.: new
- Mackenzie, C.J.G. 1980. Water quality management in British Columbia. *Canadian Water Resources Journal* 5(3):69-77.
KEYWORDS: estuary, water quality, management.
REF. NO.: ..585 LOCATION: new CALL NO.: new
- Hodgins, D.O., T.R. Osborn and M.C. Quick. 1977. Numerical model of stratified estuary flows. *J. Waterway, Amer. Soc. Civil Eng.* 103(WW1):25-42, Proceedings paper 12734.
KEYWORDS: Main Arm, physical environment, currents, salinity, modelling.
REF. NO.: ..586 LOCATION: new CALL NO.: new
- Fletcher, W.K., G.S. Holmes, and A.G. Lewis. 1983. Geochemistry and biological availability of iron and trace elements in the upper Fraser River estuary. *Marine Chemistry* 12:195-217.
KEYWORDS: Main Arm, water quality, trace metals, iron, bioassay, biological availability.
REF. NO.: ..587 LOCATION: new CALL NO.: new
- Stein, J. R. 1975. Freshwater algae of British Columbia: the Lower Fraser Valley. *Syesis* 8:119-184.
KEYWORDS: estuary, plants, algae, distribution, taxonomy.
REF. NO.: ..588 LOCATION: new CALL NO.: new
- Grieve, D.A. and W.K. Fletcher. 1976. Heavy metals in deltaic sediments of the Fraser River, British Columbia. *Can. J. Earth Sci.* 13(12):1683-1693.
KEYWORDS: estuary, sediments, particle size, trace metals.
REF. NO.: ..589 LOCATION: new CALL NO.: new
- Grieve, D.A. and W.K. Fletcher. 1975. Trace metals in Fraser delta sediments. *Geol. Surv. Can., Paper 75-1, Part B*, pp. 161-163.
KEYWORDS: estuary, sediments, trace metals.
REF. NO.: ..590 LOCATION: new CALL NO.: new
- Clark, D.W. and J.E. McInerney. 1974. Emigration of the peamouth chub, *Mylocheilus caurinus*, across a dilute seawater bridge: an experimental zoogeographic study. *Can. J. Zool.* 52:457-469.
KEYWORDS: estuary, fish, peamouth chub, bioassay, salinity tolerance.
REF. NO.: ..591 LOCATION: new CALL NO.: new
- Parsons, T.R. et al. 1969. Production studies in the Strait of Georgia. Parts I-III. *J. Exp. Biol. Ecol.* 3:27-38, 39-50, 55-61.
KEYWORDS: Roberts Bank, plants, algae, production.
REF. NO.: ..592 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Chang, P., S. Pond, and S. Tabata. 1976. Subsurface currents in the Strait of Georgia, west of Sturgeon Bank. *J. Fish. Res. Board Can.* 33:2218-2241.
KEYWORDS: Sturgeon Bank, physical environment, currents.
REF. NO.: ..593 LOCATION: new CALL NO.: new
- Parsons, T.R., C.A. Bawden, and W.A. Heath. 1973. Preliminary survey of mercury and other metals contained in animals from the Fraser River mudflats. *J. Fish. Res. Board Can.* 30:1014-1016.
KEYWORDS: Sturgeon Bank, invertebrates, epibenthos, bioaccumulation, trace metals, crabs.
REF. NO.: ..594 LOCATION: new CALL NO.: new
- Monenco Pipeline Consultants Ltd. 1983. Environmental impact assessment of construction of a natural gas pipeline across Roberts Bank. Vol.2. Impact of pipeline construction on the physical env. of RB. Rep. for B.C. Hydro.
KEYWORDS: Roberts Bank, physical environment, currents, sediments, bathymetry, particle size.
REF. NO.: ..595 LOCATION: R. Kistritz CALL NO.: none
- Pomeroy, W.M. and C.D. Levings. 1980. Association and feeding relationships between *Eogammarus confervicolus* (Amphipoda, Gammaridae) and benthic algae on Sturgeon and Roberts Banks, Fraser R estuary. *Can. J. Fish. Aquat. Sci.* 37:1-10.
KEYWORDS: estuary, invertebrates, benthos, amphipods, plants, algae.
REF. NO.: ..596 LOCATION: new CALL NO.: new
- Forrester, C.R., K.S. Ketchen, and C.C. Wong. 1972. Mercury content of spiny dogfish (*Squalus acanthias*) in the Strait of Georgia, British Columbia. *J. Fish. Res. Board Can.* 29:1487-1490.
KEYWORDS: estuary, fish, dogfish, bioaccumulation, mercury.
REF. NO.: ..597 LOCATION: new CALL NO.: new
- Hebda, R.J. 1979. Size, productivity, and paleoecological implications of ericaceous pollen from Burns Bog, southern Fraser River delta, British Columbia. *Can. J. Botany* 57:1712-1717.
KEYWORDS: Main Arm, plants, marsh plants, distribution.
REF. NO.: ..598 LOCATION: new CALL NO.: new
- McGreer, E.R. 1982. Factors affecting the distribution of the bivalve, *Macoma balthica* (L.) on a mudflat receiving sewage effluent, Fraser River estuary, British Columbia. *Marine Environmental Research* 7:131-149.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, invertebrates, shellfish, distribution.
REF. NO.: ..599 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

Liedtke, J. and A. Roberts. prep. Discrimination of suspended sediment and littoral features using multispectral video imagery. Accepted for presentation at 10th Annual Symposium on Remote Sensing.

KEYWORDS: estuary, sediments, plants, physical environment, turbidity, remote sensing:

REF. NO.: ..600 LOCATION: Dep. Geog. SFU CALL NO.: M. Church

Roberts, A., J. Udell and W. Dixon. prep. Mapping effluent plumes with digitally enhanced and classified aerial photography. Accepted for presentation at 10th Annual Symposium on Remote Sensing.

KEYWORDS: estuary, contaminant sources, water quality, sewage, oxygen, remote sensing.

REF. NO.: ..601 LOCATION: Dep. Geog. SFU CALL NO.: MChurch

McDonald, R., J. Luternauer and F. Noon. prep. Morphologic changes along the corridor for the proposed Iona Island sewage pipeline. Open file GSC, figures and maps. .

KEYWORDS: Sturgeon Bank, contaminant sources, sewage, physical environment, sediments.

REF. NO.: ..602 LOCATION: Luternauer CALL NO.: none

Environmental Control Office. curr. Data base. Stormwater drainage at Boundary Bay airport. Environmental Control Office, Eng. Dept., Corp. of Delta.

KEYWORDS: Boundary Bay, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.

REF. NO.: ..603 LOCATION: V. Kucy CALL NO.: none

Environmental Control Office. curr. Data base. Stormwater drainage at Tilbury Slough. Environmental Control Office, Eng. Dept., Corp. of Delta.

KEYWORDS: Main Arm, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.

REF. NO.: ..604 LOCATION: V. Kucy CALL NO.: none

Environmental Control Office. 1978. Data base. Surface water quality survey, Delta, B.C.. Environmental Control Office, Eng. Dept., Corp. of Delta.

KEYWORDS: Main Arm, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.

REF. NO.: ..605 LOCATION: V. Kucy CALL NO.: none

Environmental Control Office. curr. Survey of stormwater in the vicinity of Burns Bog landfill site. Environmental Control Office, Eng. Dept., Corp. of Delta.

KEYWORDS: Main Arm, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.

REF. NO.: ..606 LOCATION: V. Kucy CALL NO.: none

REFERENCES (listing continued):

- Environmental Control Office. curr. Data base. Survey of stormwater at Annacis Island, Phase I area (Audley Blvd. drainage channel). Environmental Control Office, Eng. Dept., Corp. of Delta.
KEYWORDS: Main Arm, contaminant sources, stormwater discharges, water quality, trace metals, nutrients.
REF. NO.: ..607 LOCATION: V. Kucy CALL NO.: none
- Vermeer, K. and R. Vermeer. 1975. Oil threat to birds on the Canadian West Coast. The Canadian Field-Naturalist. 89:278-298.
KEYWORDS: estuary, water quality, birds, oil, waterfowl, shorebirds.
REF. NO.: ..608 LOCATION: new CALL NO.: new
- Liedtke, J. prep. Airborne definition of suspended surface sediment in the Fraser River plume. M.Sc. thesis, Dep. Geog., S.F.U.
KEYWORDS: estuary, sediments, physical environment, water quality, sediment load, turbidity.
REF. NO.: ..609 LOCATION: A. Roberts, SFU CALL NO.: A. Roberts
- Evans, D. prep. Airborne definition of surface water content in soils in Boundary Bay. M.Sc. thesis, Dep. Geog., S.F.U.
KEYWORDS: Boundary Bay, sediments.
REF. NO.: ..610 LOCATION: Dep. Geog. SFU CALL NO.: A. Roberts
- B.C. Research. none. Kanaka Creek water quality and sediment monitoring program. B.C. Research.
KEYWORDS: Main Arm, water quality, sediments, bacteria, particle size, trace metals.
REF. NO.: ..611 LOCATION: GVRD CALL NO.: Parks, Red
- Howard Paish & Associates Ltd. 1975. Some ecological considerations for B.C. Hydro routing of cables or pipeline across Roberts Bank. B.C. Hydro, 16p.
KEYWORDS: Roberts Bank, water use, commercial use, pipelines.
REF. NO.: ..612 LOCATION: B.C. Hydro CALL NO.: H. Smith
- B.C. Hydro. 1983. Environmental impact assessment of construction of a natural gas pipeline across Roberts Bank. Vol.1. Summary. B.C. Hydro.
KEYWORDS: Roberts Bank, water quality, vascular plants, invertebrates, fish, birds.
REF. NO.: ..613 LOCATION: R. Kistritz CALL NO.: none
- Moody, R. 1975. Habitat, population, and leaf characteristics of *Zostera marina* L. on Roberts Bank, B.C. M.Sc. thesis, Dep. Plant Sci., U.B.C., 104p.
KEYWORDS: Roberts Bank, plants, vascular plants, abundance.
REF. NO.: ..614 LOCATION: B.C. Hydro CALL NO.: H. Smith

REFERENCES (listing continued):

- B.C. Research. curr. Data base of landfill leachate monitoring at Fraser River landfill port site at No. 7 Road ditch. Richmond. B.C. Research, Unpub. data for Fraser River Ports.
KEYWORDS: Main Arm, contaminant sources, landfill leachates, invertebrates, benthos.
REF. NO.: ..615 LOCATION: FR Ports CALL NO.: T. Grozier
- Rogers, I.H., J.K. Birtwell, and G.M. Kruzynski. 1986. Organic extractables in primary treated municipal wastewater and uptake in exposed juvenile chinook salmon. (Prelim. study, Iona Island sewage treatment plant). Can. Tech. Rept. Fish. Aquat. Sci.
KEYWORDS: Sturgeon Bank, water quality, sewage, trace organics, fish, salmon.
REF. NO.: ..616 LOCATION: Birtwell CALL NO.: none
- Rogers, I.H. et al. 1986. Studies on effects of exposure of chinook salmon (*O. tshawytscha*) to municipal wastewater: I. Organic extractables on Iona Isl. Sew. Treatm. Pl. effluent. Submitted to Can. J. Water Poll. Res.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality, trace organics, PCB's.
REF. NO.: ..617 LOCATION: Birtwell CALL NO.: none
- Brown, D.A., C.A. Bawden, K.W. Chatel, and T.R. Parsons. 1977. The wildlife community of Iona Island jetty, Vancouver, B.C., and heavy metal pollution effects. Environmental Conservation 4(3):213-216.
KEYWORDS: Sturgeon Bank, invertebrates, birds, contaminant sources, sewage, trace metals.
REF. NO.: ..618 LOCATION: new CALL NO.: new
- Moore, D. and R. Brinkhurst. 1986. Data report. Cruise #84-BB-01. Draft of proprietary data.
KEYWORDS: Boundary Bay, invertebrates, benthos, oligochaetes, distribution, abundance.
REF. NO.: ..619 LOCATION: new CALL NO.: new
- Brinkhurst, R.O., P.M. Chapman and M.A. Farrell. 1983. A comparative study of respiration rates of some aquatic oligochaetes in relation to sublethal stress. Int. Revue ges. Hydrobiol. 68(5):683-699.
KEYWORDS: estuary, invertebrates, benthos, oligochaetes, bioassay, trace metals.
REF. NO.: ..620 LOCATION: new CALL NO.: new
- Hughes, G.C. and A.B. Ages. 1975. Salinity and temperature measurements in the lower Fraser River, 1966-1968, 1970-1973. Pacific Marine Science Report 75-2, Institute of Ocean Sciences, Patricia Bay, Victoria, B.C., 295p.
KEYWORDS: estuary, physical environment, salinity, temperature.
REF. NO.: ..621 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Ages, A. 1979. The salinity intrusion in the Fraser River: salinity, temperature and current observations, 1976, 1977. Pacific Marine Science Report 79-14, Institute of Ocean Sciences, Patricia Bay, Sidney, B.C.
KEYWORDS: Main Arm; physical environment; currents, salinity, temperature.
REF. NO.: ..622 LOCATION: new CALL NO.: new
- Swain, L.G. and R.J. Rocchini. 1983. A progress report on the state of water quality in the lower Fraser River. Water Management Branch, 26p.
KEYWORDS: estuary, water quality, stormwater discharges, sewage, industrial effluents, effluent quality.
REF. NO.: ..623 LOCATION: new CALL NO.: new
- Environmental Protection Service. none. A water quality and biological assessment of three rivers in the lower Fraser valley, B.C. Unpaginated.
KEYWORDS: Boundary Bay, water quality, nutrients, oxygen.
REF. NO.: ..624 LOCATION: CALL NO.:
- Watmough, D. 1972. An ecological approach to the development of the Richmond foreshore. Richmond Nature Park Committee, 59p.
KEYWORDS: Sturgeon Bank, biota, vascular plants, fish.
REF. NO.: ..625 LOCATION: new CALL NO.: new
- Greater Vancouver Sewerage and Drainage District. 1978. Hazardous, toxic and nuisance wastes survey. Greater Vancouver Sewerage and Drainage District, 58p+.
KEYWORDS: estuary, contaminant sources, industrial effluents, sewage, effluent quality.
REF. NO.: ..626 LOCATION: new CALL NO.: new
- Lawson, E.M., G.B. Mitchell and D.G. Walton. 1985. Stormwater monitoring in an industrial catchment basin located in Burnaby, British Columbia. Waste Management, Lower Mainland Region, Ministry of Environment, 90pp.
KEYWORDS: North Arm, contaminant sources, stormwater discharges, effluent quality, trace metals, trace organics.
REF. NO.: ..627 LOCATION: new CALL NO.: new
- Swain, L.G. and D.A. Douglas. 1982. Prelim. exam. of details related to a proposed long sea outfall for the Iona Island sewage treatment plant. Assess. & Plan. Div., Min. Environ., Victoria, B.C., APD Bulletin 29, 54pp + maps.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, dispersion.
REF. NO.: ..628 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Fraser River Estuary Monitoring Working Committee. 1984. Fraser River estuary monitoring - A recommended approach. The Working Committee on Fraser River Estuary Monitoring, 43pp.
KEYWORDS: estuary, water quality, sediments, fish, invertebrates, monitoring.
REF. NO.: ..629 LOCATION: new CALL NO.: new
- Jasper, S.E. (ed.). 1985. New directions and research in waste treatment and residuals management. Proceedings, Vols. 1 & 2, Dep. Civil Eng., U.B.C. (June 23-28, 1985).
KEYWORDS: estuary, contaminant sources, water quality, landfill leachates, sewage, nutrients.
REF. NO.: ..630 LOCATION: Civil Eng. UBC CALL NO.: none
- Associated Engineering Services Ltd. 1977. Annacis Island Current Study, 450pp + app.. Greater Vancouver Sewerage and Drainage District.
KEYWORDS: Main Arm, physical environment, currents, temperature, salinity.
REF. NO.: ..631 LOCATION: new CALL NO.: new
- Bethell, G. 1977. A summary status report for the inventory of toxic and hazardous waste generation within the GVRD. Unpaginated.
KEYWORDS: estuary, contaminant sources, industrial effluents.
REF. NO.: ..632 LOCATION: new CALL NO.: new
- Greater Vancouver Sewerage and Drainage District. 1970. Consolidation of amendments to the Rawn report on sewerage and drainage of the Greater Vancouver area, British Columbia. Greater Vancouver Sewerage and Drainage District, unpaginated.
KEYWORDS: estuary, contaminant sources, sewage.
REF. NO.: ..633 LOCATION: new CALL NO.: new
- Advisory Panel to the Pollution Control Board. 1980. Report and Recommendations of the Advisory Panel to the Pollution Control Board, Lower Fraser River Public Hearing, 18-22 Feb., 1980. Pollution Control Board, Lower Fraser River, 43pp.
KEYWORDS: estuary, contaminant sources, sewage, stormwater discharges.
REF. NO.: ..634 LOCATION: new CALL NO.: new
- Servizi, J.A. et al. 1986. Microbiological detoxification of resin acids. Can. J. Water Pollution Res. - submitted.
KEYWORDS: estuary, fish, invertebrates, bioassay, resin acids.
REF. NO.: ..635 LOCATION: new CALL NO.: new
- Municipal Division, Water Pollution Control Directorate. 1982. Effluent survey report Annacis Island sewage treatment plant. Municipal Division, Water Pollution Control Directorate.
KEYWORDS: Main Arm, contaminant sources, sewage, effluent quality, trace metals, trace organics.
REF. NO.: ..636 LOCATION: new CALL NO.: new

REFERENCES (listing continued):

- Ministry of Environment, B.C. 1985. Fraser Delta strategic environmental management plan (Tables only). Ministry of Environment, B.C, 189pp.
KEYWORDS: estuary, contaminant sources, water use, water quality.
REF. NO.: ..637 LOCATION: new CALL NO.: new
- Duncan, M.J. 1984. Levels of contaminants in bivalve molluscs of British Columbia. Regional Program Report No. 83-19, Dep. Environ., EPS, Pacific Region.
KEYWORDS: estuary, bioaccumulation, invertebrates, benthos, trace metals, trace organics.
REF. NO.: ..638 LOCATION: new CALL NO.: new
- Brinkhurst, R.O., P.M. Chapman, and M.A. Farrell. 1982. Relative tolerances of selected aquatic oligochaetes to combinations of pollutants and environmental factors. *Aquatic Toxicology* 2:69-78.
KEYWORDS: estuary, invertebrates, benthos, oligochaetes, bioassay.
REF. NO.: ..639 LOCATION: CALL NO.:
- Singleton, H.J. 1983. Trace metals and selected organic contaminants in Fraser River fish. B.C. Min. Environment, Water Mgmt. Br., Victoria, Tech. Paper 2, 114p.
KEYWORDS: estuary, fish, bioaccumulation, trace metals, trace organics.
REF. NO.: ..640 LOCATION: new CALL NO.: new
- Iona Island Sewage Treatment Plant Study Group. 1982. Report of the Iona Island Sewage Treatment Plant Study Group. Iona Island Sewage Treatment Plant Study Group.
KEYWORDS: Sturgeon Bank, contaminant sources, sewage, effluent quality.
REF. NO.: ..641 LOCATION: new CALL NO.: new
- Swain, L.G. 1986. A survey of metals, PCB's, and chlorophenols in the sediments, benthic organisms and fish of the lower Fraser River. Resource Quality Section, Water Management Branch, Ministry of Environment, B.C 42p+.
KEYWORDS: estuary, sediments, invertebrates, benthos, fish, trace organics.
REF. NO.: ..642 LOCATION: new CALL NO.: new
- Brinkhurst, R.O., P.M. Chapman, and M.A. Farrell. 1982. Relative tolerances of selected aquatic oligochaetes to individual pollutants and environmental factors. *Aquatic Toxicology* 2:47-67.
KEYWORDS: estuary, invertebrates, benthos, oligochaetes, bioassay.
REF. NO.: ..643 LOCATION: CALL NO.:
- Williams, G.L., J. Villamere, and G. Smith. 1984. An environmental assessment of the Bridgeport harbour market, foreshore development, Richmond, B.C.. Hatfield Consultants Ltd. Rept. to North Fraser Harbour Comm., 60p.
KEYWORDS: North Arm, plants, fish, invertebrates, sediments, benthos.
REF. NO.: ..644 LOCATION: Hatfield Cons. CALL NO.: G.Williams

REFERENCES (listing continued):

Williams, G.L., and J. Villamere. 1983. Aquatic environmental assessment of First Capitol City Development Ltd. proposed New West. waterfront revitalization project:Phase 1 - 8th St basin. Hatfield Cons.

Ltd. Rept. to First Capitol City Dev. Ltd., 62p.

KEYWORDS: Main Arm, water quality; sediments; water use; fish, industrial use.

REF. NO.: ..645 LOCATION: Hatfield Cons. CALL NO.: G.Williams

Kistriz, R.U. prep. Environmental studies of salmon habitat enhancement project at Tilbury Slough, Fraser River estuary. Kistriz Consultants Ltd. for DSS/DFO.

KEYWORDS: water quality, juvenile salmon, invertebrates, Main Arm, carbon, physical environment.

REF. NO.: ..646 LOCATION: Kistriz CALL NO.: in prog

Kistriz, R.U., K.J. Hall and I. Yesaki. 1983. Productivity, detritus flux, and nutrient cycling in a *Carex lyngbyei* tidal marsh. *Estuaries*. 6(3):227-236.

KEYWORDS: Main Arm, marsh, nutrients, plants, primary production, Woodward Island.

REF. NO.: ..647 LOCATION: Valiela CALL NO.:

Kistriz, R.U. Consultants Ltd.. 1985. Annacis Bridge Project. Final report on environmental studies of water quality and aquatic habitats..

Report prep. for Ministry of Transportation and Highways.

KEYWORDS: Main Arm, water quality, marsh, Annacis Island, plants, sediments.

REF. NO.: ..648 LOCATION: Kistriz CALL NO.:

Leach, B.A. 1982. Waterfowl on a Pacific estuary: a natural history of man and waterfowl on the lower Fraser River. B.C. Provincial Museum Special Publication No. 5, 211p, ill., map.

KEYWORDS: estuary, birds, waterfowl, distribution, abundance.

REF. NO.: ..650 LOCATION: Main QL696 CALL NO.: A52 L43

Thomson, R.E. 1981. Oceanography of the British Columbia coast. *Can. Spec. Publ. Fish. Aquat. Sci.* 56, 291p.

KEYWORDS: estuary, physical environment.

REF. NO.: ..651 LOCATION: Main library CALL NO.: GC854 T46

CROSS-REFERENCE INDEX
(refer to tab labeled NUMBER to find reference)

Geographic Location

North Arm

.. 2	.. 19	.. 36	.. 39	..130	..131	..133	..134	..135	..138	..187	..223
..252	..259	..318	..330	..347	..381	..395	..396	..398	..429	..439	..505
..555	..627	..644									

Main Arm

.. 17	.. 26	.. 29	.. 32	.. 33	.. 34	.. 35	.. 37	.. 38	.. 40	.. 41	.. 42
.. 48	.. 49	.. 50	.. 57	.. 58	.. 59	.. 61	.. 63	.. 64	.. 65	.. 82	.. 89
.. 91	.. 92	.. 97	..108	..112	..113	..115	..123	..128	..137	..139	..141
..146	..155	..159	..167	..170	..177	..197	..235	..237	..243	..245	..266
..267	..271	..278	..279	..280	..281	..282	..289	..308	..311	..312	..313
..315	..321	..327	..329	..331	..343	..346	..354	..355	..364	..365	..366
..368	..375	..397	..400	..402	..415	..427	..428	..437	..454	..465	..468
..489	..502	..528	..531	..532	..535	..536	..538	..540	..544	..545	..552
..553	..557	..558	..564	..565	..568	..569	..570	..586	..587	..598	..604
..605	..606	..607	..611	..615	..622	..631	..636	..645	..646	..647	..648
..649											

Sturgeon Bank

.. 62	.. 69	..111	..114	..124	..125	..126	..127	..147	..157	..183	..190
..204	..205	..217	..231	..239	..247	..248	..249	..251	..257	..270	..296
..309	..344	..367	..372	..385	..386	..387	..403	..443	..537	..539	..541
..543	..571	..583	..593	..594	..599	..602	..616	..617	..618	..625	..628
..641											

Roberts Bank

.. 18	.. 73	.. 88	.. 93	..227	..258	..264	..288	..298	..299	..300	..301
..302	..303	..304	..305	..369	..406	..416	..421	..422	..423	..424	..425
..432	..433	..440	..441	..446	..448	..450	..484	..504	..506	..517	..547
..548	..549	..551	..556	..581	..592	..595	..612	..613	..614		

Main Stem

..145

Boundary Bay

.. 83	..106	..122	..215	..233	..255	..290	..291	..292	..293	..294	..295
..351	..353	..411	..412	..424	..426	..431	..469	..603	..610	..619	..624

CROSS-REFERENCE INDEX
(refer to tab labeled NUMBER to find reference)

Geographic Location (cont.)

Estuary

.. 1	.. 3	.. 4	.. 5	.. 6	.. 7	.. 8	.. 9	.. 10	.. 11	.. 12	.. 13
.. 14	.. 15	.. 16	.. 20	.. 21	.. 22	.. 23	.. 24	.. 27	.. 28	.. 30	.. 31
.. 43	.. 44	.. 45	.. 46	.. 47	.. 51	.. 52	.. 53	.. 55	.. 56	.. 60	.. 66
.. 67	.. 68	.. 71	.. 72	.. 74	.. 75	.. 76	.. 77	.. 78	.. 79	.. 80	.. 81
.. 84	.. 85	.. 87	.. 90	.. 94	.. 95	.. 96	.. 98	.. 99	..100	..101	..102
..103	..104	..105	..107	..109	..110	..116	..117	..118	..119	..120	..121
..129	..132	..136	..140	..142	..143	..144	..148	..149	..150	..151	..152
..153	..154	..156	..158	..160	..161	..162	..163	..164	..165	..166	..168
..169	..171	..172	..173	..174	..175	..176	..178	..179	..180	..181	..182
..184	..185	..186	..188	..189	..191	..192	..193	..194	..195	..196	..198
..199	..200	..201	..202	..203	..206	..207	..209	..210	..211	..212	..213
..214	..216	..218	..219	..220	..221	..222	..224	..225	..226	..228	..229
..230	..232	..234	..236	..238	..240	..241	..242	..244	..246	..250	..253
..254	..256	..260	..261	..262	..263	..265	..268	..269	..272	..273	..274
..275	..276	..277	..283	..284	..285	..286	..287	..297	..306	..307	..310
..314	..316	..317	..319	..320	..322	..323	..324	..325	..326	..328	..332
..333	..334	..335	..336	..337	..338	..339	..340	..341	..342	..345	..348
..349	..350	..351	..352	..356	..357	..358	..359	..360	..362	..370	..371
..373	..374	..376	..377	..378	..379	..380	..382	..383	..384	..388	..390
..391	..392	..393	..394	..399	..401	..404	..405	..407	..408	..409	..410
..411	..412	..413	..414	..417	..418	..419	..420	..430	..434	..435	..436
..438	..442	..444	..445	..447	..449	..451	..452	..453	..455	..456	..457
..458	..459	..460	..461	..462	..463	..464	..466	..467	..470	..471	..472
..473	..474	..475	..476	..477	..478	..479	..480	..481	..482	..483	..485
..486	..487	..488	..490	..491	..492	..493	..494	..495	..496	..497	..498
..499	..500	..501	..503	..508	..526	..527	..529	..530	..533	..534	..542
..546	..550	..554	..559	..560	..561	..562	..563	..566	..567	..572	..573
..574	..575	..576	..577	..578	..579	..580	..582	..584	..585	..588	..589
..590	..591	..596	..597	..600	..601	..608	..609	..620	..621	..623	..626
..629	..630	..632	..633	..634	..635	..637	..638	..639	..640	..642	..643
..650	..651										

CROSS-REFERENCE INDEX (cont.)
(refer to tab labled NUMBER to find reference)

Major Subject Headings

Physical Environment

.. 20	.. 21	.. 22	.. 29	.. 31	.. 32	.. 33	.. 35	.. 36	.. 39	.. 40	.. 41
.. 43	.. 44	.. 45	.. 47	.. 53	.. 55	.. 56	.. 59	.. 60	.. 66	.. 71	.. 72
.. 84	.. 86	.. 92	.. 98	..108	..109	..110	..111	..112	..113	..114	..115
..116	..149	..152	..156	..157	..162	..170	..171	..172	..176	..186	..194
..200	..201	..204	..209	..213	..223	..225	..234	..238	..250	..251	..254
..263	..265	..266	..267	..274	..276	..278	..279	..292	..298	..305	..314
..315	..318	..320	..321	..323	..324	..325	..326	..329	..333	..335	..336
..348	..352	..357	..371	..375	..377	..390	..391	..399	..402	..404	..406
..407	..418	..423	..430	..441	..445	..449	..453	..454	..464	..466	..495
..496	..503	..529	..539	..542	..543	..559	..570	..571	..572	..573	..574
..575	..576	..577	..578	..579	..581	..582	..584	..586	..593	..595	..600
..602	..609	..621	..622	..631	..646	..664					

Contaminant Sources

.. 2	.. 8	.. 42	.. 46	.. 51	.. 58	.. 62	.. 72	.. 78	.. 80	.. 81	.. 94
..100	..101	..102	..103	..104	..106	..119	..120	..123	..125	..136	..137
..140	..145	..146	..147	..148	..169	..176	..177	..200	..224	..243	..245
..247	..259	..270	..271	..272	..289	..327	..338	..343	..346	..362	..367
..384	..385	..386	..387	..388	..395	..396	..399	..402	..403	..408	..418
..419	..434	..439	..443	..458	..468	..471	..482	..489	..494	..497	..535
..536	..541	..561	..564	..571	..580	..583	..599	..601	..602	..603	..604
..605	..606	..607	..615	..617	..618	..626	..627	..628	..630	..632	..633
..634	..636	..637	..641								

Sediments

.. 3	.. 8	.. 20	.. 25	.. 32	.. 35	.. 39	.. 45	.. 52	.. 53	.. 55	.. 63
.. 64	.. 66	.. 69	.. 75	.. 77	.. 80	.. 85	.. 87	.. 95	.. 98	..105	..109
..110	..111	..114	..132	..134	..150	..155	..169	..183	..191	..192	..194
..202	..205	..212	..225	..233	..237	..238	..248	..250	..251	..253	..254
..262	..305	..313	..325	..326	..330	..334	..335	..337	..339	..340	..341
..342	..344	..347	..348	..352	..362	..370	..371	..386	..400	..404	..406
..407	..408	..430	..431	..432	..438	..442	..444	..446	..447	..448	..449
..451	..452	..453	..454	..455	..456	..457	..464	..466	..469	..470	..473
..474	..475	..476	..477	..478	..479	..481	..482	..485	..486	..496	..497
..502	..528	..529	..530	..531	..533	..539	..540	..542	..543	..545	..546
..550	..551	..554	..555	..556	..557	..559	..562	..563	..568	..589	..590
..595	..600	..602	..609	..610	..611	..629	..642	..644	..645	..648	

CROSS-REFERENCE INDEX (cont.)
(refer to tab labeled NUMBER to find reference)

Major Subject Headings (cont.)

Water: Quality

.. 1	.. 3	.. 4	.. 13	.. 14	.. 16	.. 34	.. 35	.. 42	.. 46	.. 47	.. 48
.. 49	.. 50	.. 56	.. 57	.. 60	.. 61	.. 62	.. 63	.. 64	.. 72	.. 75	.. 76
.. 77	.. 78	.. 79	.. 80	.. 82	.. 85	.. 91	.. 92	.. 94	.. 95	.. 98	.. 99
..100	..101	..102	..103	..104	..105	..106	..107	..108	..109	..110	..112
..113	..114	..115	..116	..117	..119	..120	..121	..122	..123	..124	..128
..130	..135	..138	..141	..142	..149	..150	..151	..154	..155	..156	..157
..169	..174	..175	..176	..187	..190	..191	..193	..194	..195	..197	..200
..207	..208	..210	..214	..216	..220	..222	..224	..229	..231	..232	..235
..236	..237	..243	..246	..247	..248	..251	..252	..253	..256	..257	..273
..279	..291	..297	..298	..309	..313	..314	..315	..319	..321	..323	..327
..329	..330	..333	..334	..343	..346	..362	..364	..375	..377	..384	..387
..397	..398	..399	..400	..402	..405	..409	..414	..418	..419	..421	..432
..434	..439	..444	..460	..461	..463	..465	..468	..469	..471	..472	..473
..474	..475	..476	..477	..478	..479	..481	..482	..494	..497	..498	..499
..500	..502	..508	..535	..536	..539	..541	..544	..550	..551	..555	..556
..560	..561	..563	..568	..569	..585	..587	..601	..603	..604	..605	..606
..607	..608	..609	..611	..613	..616	..623	..624	..629	..630	..637	..645
..646	..648										

Plants

.. 9	.. 12	.. 17	.. 18	.. 29	.. 34	.. 35	.. 37	.. 38	.. 39	.. 73	.. 80
.. 88	.. 93	.. 95	.. 96	.. 97	..105	..111	..114	..159	..163	..164	..165
..170	..172	..203	..204	..217	..230	..233	..235	..258	..268	..269	..291
..292	..298	..351	..354	..355	..357	..359	..370	..373	..383	..403	..415
..422	..425	..440	..446	..483	..497	..527	..532	..556	..559	..560	..588
..592	..596	..598	..600	..613	..614	..625	..644	..647	..648	..649	

Bacteria

.. 3	.. 4	.. 73	.. 78	..111	..122	..129	..132	..135	..138	..139	..141
..172	..179	..180	..181	..182	..183	..185	..205	..255	..268	..323	..459
..565	..566	..569	..611								

Invertebrates

.. 6	.. 13	.. 29	.. 32	.. 38	.. 39	.. 61	.. 63	.. 64	.. 67	.. 69	.. 73
.. 80	.. 89	.. 98	..105	..111	..114	..122	..131	..133	..134	..143	..144
..177	..173	..175	..205	..207	..223	..233	..239	..251	..252	..253	..255
..262	..265	..267	..268	..270	..298	..309	..352	..357	..365	..366	..367
..368	..369	..371	..372	..373	..400	..408	..416	..421	..424	..433	..435
..479	..543	..555	..556	..557	..567	..570	..594	..596	..599	..613	..615
..618	..619	..620	..629	..635	..638	..639	..642	..643	..644	..646	

CROSS-REFERENCE INDEX (cont.)
(refer to tab labled NUMBER to find reference)

Major Subject Headings (cont.)

Fish

.. 5	.. 7	.. 9	.. 10	.. 11	.. 13	.. 15	.. 19	.. 22	.. 23	.. 24	.. 26
.. 29	.. 34	.. 35	.. 36	.. 37	.. 38	.. 39	.. 40	.. 41	.. 59	.. 60	.. 61
.. 63	.. 64	.. 65	.. 68	.. 69	.. 71	.. 72	.. 77	.. 88	.. 89	.. 91	.. 98
..105	..117	..118	..121	..124	..126	..127	..144	..145	..148	..149	..150
..154	..157	..158	..160	..161	..162	..166	..167	..168	..171	..172	..173
..177	..184	..188	..189	..190	..192	..198	..200	..204	..211	..219	..227
..229	..231	..232	..242	..244	..258	..260	..261	..263	..264	..265	..266
..268	..271	..273	..274	..275	..277	..292	..298	..307	..308	..310	..312
..316	..317	..322	..331	..338	..368	..372	..373	..374	..386	..395	..396
..400	..401	..402	..408	..418	..450	..462	..465	..467	..473	..474	..475
..476	..477	..478	..480	..487	..488	..493	..496	..497	..498	..499	..500
..502	..505	..532	..534	..537	..538	..539	..553	..563	..567	..591	..597
..613	..616	..625	..629	..635	..640	..642	..644	..645			

Birds

.. 9	.. 23	.. 24	.. 27	.. 28	.. 29	.. 36	.. 37	.. 38	.. 40	.. 41	.. 61
.. 72	.. 83	.. 89	.. 91	..144	..154	..199	..204	..211	..217	..227	..240
..241	..258	..291	..292	..307	..345	..349	..350	..353	..356	..358	..360
..368	..373	..379	..410	..411	..412	..413	..417	..418	..420	..426	..427
..428	..429	..435	..437	..473	..474	..475	..476	..477	..478	..496	..498
..499	..500	..505	..526	..539	..552	..558	..608	..613	..618	..663	

Water Use

.. 19	.. 22	.. 23	.. 24	.. 26	.. 27	.. 28	.. 30	.. 33	.. 34	.. 36	.. 37
.. 38	.. 40	.. 41	.. 42	.. 57	.. 60	.. 61	.. 62	.. 63	.. 64	.. 65	.. 68
.. 75	.. 81	.. 83	.. 90	..119	..154	..155	..169	..173	..178	..200	..206
..216	..218	..221	..226	..227	..228	..248	..276	..277	..278	..280	..281
..282	..285	..287	..288	..292	..296	..299	..300	..301	..302	..303	..304
..305	..306	..308	..310	..311	..312	..316	..317	..322	..323	..328	..331
..332	..340	..368	..369	..371	..373	..376	..378	..381	..382	..392	..393
..394	..396	..436	..484	..487	..488	..490	..491	..492	..493	..496	..498
..499	..500	..501	..504	..505	..532	..537	..538	..540	..541	..544	..545
..548	..549	..550	..551	..553	..554	..557	..558	..580	..612	..637	..645