

3.7 Fisheries – Juvenile Chinook

Bradford, M.J. 1994. Trends in the abundance of chinook salmon (*Oncorhynchus tshawytscha*) of the Nechako River, British Columbia. Canadian Journal of Fisheries and Aquatic Sciences 51: 965-973.

Record #: 430

Hardcopy location: OOFI, NRCAN

Brett, J. R., Clarke, W. C., and Shelbourn, J. E. 1982. Experiments on thermal requirements for growth and food conversion efficiency of juvenile chinook salmon *Oncorhynchus tshawytscha*.

Canadian Technical Report of Fisheries and Aquatic Sciences 1127. 29 p.

Record #: 3420

Hardcopy location: BNP, BVAFI, BVIEM, OBUC, BPGC,

Library Copy: In File

British Columbia Utilities Commission. 1993. Kemano Completion Project Public Review : public file: Summary of review of scientific literature pertaining to the effects of temperature on the survival, growth, spawning criteria and food of the chinook salmon. B.C. Utilities Commission, Vancouver, B.C.

Record #: 5200

Hardcopy location: BPGC

Brown, T. G. 1995. Stomach contents, distribution, and potential of fish predators to consume juvenile chinook salmon (*Oncorhynchus tshawytscha*) in the Nechako and Stuart rivers, B.C.

Canadian Technical Report of Fisheries and Aquatic Sciences 2077. 39 p.

Record #: 1390

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, OKQD, OON, OONL, OLU, OPAL, OKQD, OWTL, SRU

Library Copy: In File

Brown, T. G., Bravender, B., Dubeau, P., and Lauzier, R. 1992. Initial survey: stomach contents of potential fish predators of juvenile chinook salmon (*Oncorhynchus tshawytscha*) in the Nechako River, B.C. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2141. 33 p.

Record #: 2640

Hardcopy location: BNP, BVAFI, BVAPE, BVIEM, BPGC, OONL, OKQD, WLAP

Library Copy: In File

Brown, T. G., White, E., Kelly, D., and Rutten, J. 1994. Availability of juvenile chinook salmon to predators along the margins of the Nechako and Stuart Rivers, B.C. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2245.

Record #: 2380

Hardcopy location: BNP, BVAFI, BVAPE, BVIEM, OKQD, OONL, OOU, WLAP

Library Copy: In File

Canada Fisheries and Marine Service. 1979. Salmon studies associated with the potential Kemano II hydro electric development, volume 3 : chinook salmon studies on the Nechako River relative to the proposed Kemano II power development. Fisheries and Environment Canada, Vancouver, B.C.

Record #: 670

Hardcopy location: BNP, BVAFI, BPGC, BVAU, BVAS

Nechako River Watershed Bibliography and Library

2009 Update

Section 3: Bibliography Listed by Subject Heading

D.B. Lister and Associates. 2003. RM90-7 Nechako Fisheries Conservation Program, Vancouver, BC.

Record #: 6690

Hardcopy location: College of New Caledonia Library// BVAFI

Library Copy: In File

Emmett, B. 1989. Overwintering of juvenile chinook in the Nechako River, 1988/89 studies. Habitat Capacity, West Vancouver Laboratory, Dept. of Fisheries and Oceans. 58 p.

Record #: 2730

Hardcopy location: BNP

Emmett, B. and Convey, L. 1990. Overwintering of juvenile chinook in the Nechako River, 1989/90 studies. Salmon Habitat Section, Department of Fisheries and Oceans. 42 p.

Record #: 2680

Hardcopy location: BNP, BVAFI, BPGC

Emmett, B, Convey, L, and English, K. 1992. An early winter survey of juvenile chinook in the Nechako River. Salmon Habitat Section, Department of Fisheries and Oceans. 61 p.

Record #: 2630

Hardcopy location: BNP

Envirocon Limited. 1980. Preliminary results of chinook salmon studies in the Nechako River. Envirocon Ltd., Vancouver, B.C. 2 volumes.

Record #: 3510

Hardcopy location: BNP

Faulkner, G. 1993. Nechako River chinook residence time, 1989. Nechako Fisheries Conservation Program Data Report M89-8. Prepared for: Nechako Fisheries Conservation Program.

Record #: 2560

Hardcopy location: BNP, BVIEM, BPGC, BVA

Goos, G. 1986. Nechako River spawning/rearing channels feasibility study.

Record #: 26

Hardcopy location: WLAP

Jenkins, B. W. and Kilby, J. 1987. Nechako River Court Action: Alcan expert reports. Volume 6 of 7, chinook salmon and their habitat requirements. Aluminum Company of Canada.

Record #: 3060

Hardcopy location: BNP

Levings, C.D. and Lauzier, R.B. 1991. Extensive use of the Fraser River basin as winter habitat by juvenile chinook salmon (*Oncorhynchus tshawytscha*). Canadian Journal of Zoology **69**: 1759-1767.

Record #: 440

Hardcopy location: BPGUB

Nechako Fisheries Conservation Program and Triton Environmental Consultants. 1996. Juvenile outmigration 1991. Nechako Fisheries Conservation Program Data Report M91-3.

Record #: 1130

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Nechako River Project. 1987. Studies of juvenile chinook salmon in the Nechako River, British Columbia 1985 and 1986. Canada. Dept. of Fisheries and Oceans. 152 p.

Record #: 3170

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, OKQD, OONL

Library Copy: In File

Olmsted, W. R., Delaney, P. W., Slaney, T. L., and Vigers, G. A. 1980. Chinook salmon (*Oncorhynchus tshawytscha*) fry and smolt enumeration/markings project, Nechako and Quesnel/Horsefly rivers, B.C. E.V.S. Consultants Ltd. 126 p.

Record #: 3520

Hardcopy location: BNP, BVAFI, BVAPE, BPGC

Rowland, D. E. and Jensen, J. O. T. 1988. The effect of gas supersaturated water on juvenile chinook (*Oncorhynchus tshawytscha*) held in cages in the Nechako River, British Columbia. Canadian Technical Report of Fisheries and Aquatic Sciences 1671. Pacific Biological Station.

Record #: 3000

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, OHM, OKQD, OPAL, OWTU, OSUL, OPET, OKQD, OONL, OTMLL, SRU, ACU

Library Copy: In File

Russell, L. R., Conlin, K. R., Johansen, O. K., and Orr, U. 1983. Chinook salmon studies in the Nechako River: 1980, 1981, 1982. Canadian Manuscript Report of Fisheries and Aquatic Sciences 1728. Department of Fisheries and Oceans, Habitat Management Division, Vancouver, B.C. 197 p.

Record #: 600

Hardcopy location: BNP, BVAFI, BPGC, OONL

Scrivener, J.C., Brown, T.G., and Andersen, B.C. 1994. Juvenile chinook salmon (*Oncorhynchus tshawytscha*) utilization of Hawks Creek, a small nonnatal tributary of the upper Fraser River. Canadian Journal of Fisheries and Aquatic Sciences **51**: 1139-1146.

Record #: 1770

Hardcopy location: BVIV, BVAU

Shelbourn, J. E., Levings, C. D., and Clarke, W. C. 1995. Effect of lowered temperature on growth of juvenile Nechako River chinook salmon (*Oncorhynchus tshawytscha*) at three ration levels. Dept. of Fisheries and Oceans, Pacific Biological Station, Nanaimo, B.C. 21 p.

Record #: 4470

Hardcopy location: OKQD, BVAFI

Library Copy: In File

Sommer, T.R., Harrell, W.C., and Nobriga, M.L. 2005. Habitat use and stranding risk of juvenile Chinook salmon on a seasonal floodplain. North American Journal of Fisheries Management **25(4)**: 1493-1504.

Record #: 6560

Hardcopy location: BIOSIS

Triton Environmental Consultants. 1996. 1994 Fry Emergence. Nechako Fisheries Conservation Program Data Report M93-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1290

Hardcopy location: BNP, BVIEM, BPGC

Nechako River Watershed Bibliography and Library

2009 Update

Section 3: Bibliography Listed by Subject Heading

Triton Environmental Consultants Ltd. 1996. 1990 fry emergence. Nechako Fisheries Conservation Program Data Report M89-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1280

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 1996. 1991 Fry Emergence. Nechako Fisheries Conservation Program Data Report M90-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1210

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 1996. 1992 fry emergence. Nechako Fisheries Conservation Program Data Report M91-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1120

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 1996. 1993 fry emergence. Nechako Fisheries Conservation Program Data Report M92-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1310

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 2002. 1995 Fry Emergence. Nechako Fisheries Conservation Program Data Report M94-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 130

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 1999. 1996 fry emergence. Nechako Fisheries Conservation Program Data Report M95-6. Prepared for: Nechako Fisheries Conservation Program. 22 p.

Record #: 920

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 2002. 1997 Fry Emergence. Nechako Fisheries Conservation Program Data Report No. M96-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 132

Hardcopy location: NFCP

Library Copy: In File

Triton Environmental Consultants Ltd. 1997 Instream Habitat Complexing. Nechako Fisheries Conservation Program Data Report RM97-2. Prepared for: Nechako Fisheries Conservation Program.

Record #: 152

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 2002. 1998 Fry Emergence. Nechako Fisheries Conservation Program Technical Report No. M97-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 133

Library Copy: In File

Triton Environmental Consultants Ltd. 1998. Instream Habitat Complexing. Nechako Fisheries Conservation Program Data Report RM98-2. Prepared for: Nechako Fisheries Conservation Program.

Record #: 154

Triton Environmental Consultants Ltd. 2003. 2000 Fry Emergence. Nechako Fisheries Conservation Program Data Report M99-5. Prepared for: Nechako Fisheries Conservation Program.

Record #: 10760

Triton Environmental Consultants Ltd. 2004. 2001 Fry Emergence. Nechako Fisheries Conservation Program Technical Report M00-5. Prepared for: Nechako Fisheries Conservation Program.

Record #: 6770

Hardcopy location: NFCP website

Library Copy: In File

Triton Environmental Consultants Ltd. 2004. 2001 Juvenile Outmigration. Nechako Fisheries Conservation Program Technical Report M01-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 6780

Hardcopy location: NFCP website

Library Copy: In File

Triton Environmental Consultants Ltd. 1993. Assessment of habitat complexing/stream fertilization. Nechako Fisheries Conservation Program Report RM89-5.

Record #: 2840

Hardcopy location: BPGUB

Triton Environmental Consultants Ltd. 1993. Baseline fisheries studies for the assessment of fertilization. Nechako Fisheries Conservation Program Data Report RM90-5.

Record #: 2800

Hardcopy location: BPGUB

Triton Environmental Consultants Ltd. 1998. Biological assessment of habitat complexing and stream fertilization. Nechako Fisheries Conservation Program Data Report RM89-5. Prepared for: Nechako Fisheries Conservation Program. 18 p.

Record #: 1040

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 1991. Biological Assessment of Habitat Complexing in the Nechako River. Nechako Fisheries Conservation Program Report RM91-8. Prepared for: Nechako Fisheries Conservation Program.

Record #: 64

Triton Environmental Consultants Ltd. 1996. Biological assessment of habitat complexing in the Nechako River, 1990. Nechako Fisheries Conservation Program Data Report RM90-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1160

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Nechako River Watershed Bibliography and Library

2009 Update

Section 3: Bibliography Listed by Subject Heading

Triton Environmental Consultants Ltd. 1996. Biological assessment of habitat complexing in the Nechako River, 1991. Nechako Fisheries Conservation Program Data Report RM91-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1220

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 1996. Biological assessment of habitat complexing in the Nechako River, 1992. Nechako Fisheries Conservation Program Data Report RM92-6. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1230

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 1996. Biological assessment of habitat complexing in the Nechako River, 1993. Nechako Fisheries Conservation Program Data Report RM93-4. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1240

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 1996. Biological assessment of habitat complexing in the Nechako River, 1994. Nechako Fisheries Conservation Program Data Report RM94-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1170

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 1999. Biological assessment of habitat complexing in the Nechako River, 1995. Nechako Fisheries Conservation Program Data Report RM95-4. Prepared for: Nechako Fisheries Conservation Program.

Record #: 960

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 2001. Fry Emergence Project 1999. Nechako Fisheries Conservation Program Technical Report M98-6. Prepared for: Nechako Fisheries Conservation Program. 18 p.

Record #: 800

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Library Copy: In File

Triton Environmental Consultants Ltd. 1996. In-stream habitat complexing, 1991: pilot testing. Nechako Fisheries Conservation Program Technical Report RM91-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1190

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 1996. In-stream habitat complexing, 1992:pilot testing. Nechako Fisheries Conservation Program Technical Report RM92-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1270

Hardcopy location: BVIEM, OOFI

Triton Environmental Consultants Ltd. 1998. Investigation into the use of instream cover structures by juvenile chinook salmon. Nechako Fisheries Conservation Program Data Report RM88-2. 17 p.

Record #: 1030

Hardcopy location: BNP, BVAFI, BVIEM, BVA

Triton Environmental Consultants Ltd. 1993. Juvenile outmigration 1989. Nechako Fisheries Conservation Program Data Report M89-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 2490

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 1996. Juvenile Outmigration 1990. Nechako Fisheries Conservation Program Data Report M90-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1250

Hardcopy location: BNP, BVAFI, BPGC

Triton Environmental Consultants Ltd. 1996. Juvenile outmigration 1992. Nechako Fisheries Conservation Program Data Report M92-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 1150

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 1998. Juvenile outmigration 1993. Nechako Fisheries Conservation Program Technical Report M93-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 980

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. In Prep. Juvenile Outmigration, 1995. Nechako Fisheries Conservation Program Data Report M95-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 123

Triton Environmental Consultants Ltd. In Prep. Juvenile Outmigration, 1997. Nechako Fisheries Conservation Program Data Report M97-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 124

Triton Environmental Consultants Ltd. In Prep. Juvenile Outmigration, 1998. Nechako Fisheries Conservation Program Data Report M98-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 125

Triton Environmental Consultants Ltd. 2004. Nechako Fisheries Conservation Program Technical Report M02-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 6800

Hardcopy location: NFCP website

Library Copy: In File

Triton Environmental Consultants Ltd. 1993. Pre-fertilization assessment: baseline fisheries studies of reach 1 of the upper Nechako River, 1990. Nechako Fisheries Conservation Program Data Report RM90-5. Prepared for: Nechako Fisheries Conservation Program.

Record #: 2460

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Nechako River Watershed Bibliography and Library

2009 Update

Section 3: Bibliography Listed by Subject Heading

Triton Environmental Consultants Ltd. 1993. Pre-fertilization assessment: baseline fisheries studies of reach 1 of the upper Nechako River, 1991. Nechako Fisheries Conservation Program Data Report RM91-5. Prepared for: Nechako Fisheries Conservation Program.

Record #: 2520

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Triton Environmental Consultants Ltd. 1998. Size distribution and abundance of juvenile chinook salmon of the Nechako River, 1994. Nechako Fisheries Conservation Program Data Report M94-3. Prepared for: Nechako Fisheries Conservation Program. 26 p.

Record #: 1000

Hardcopy location: BNP, BVAFI, BVIEM, BPGC

Triton Environmental Consultants Ltd. 2001. Size, distribution and abundance of juvenile chinook salmon of the Nechako River, 1995. Nechako Fisheries Conservation Program Technical Report M95-3. Prepared for: Nechako Fisheries Conservation Program. 31 p.

Record #: 750

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Library Copy: In File

Triton Environmental Consultants Ltd. 2001. Size, distribution and abundance of juvenile chinook salmon of the Nechako River, 1996. Nechako Fisheries Conservation Program Technical Report M96-3. Prepared for: Nechako Fisheries Conservation Program. 41 p.

Record #: 760

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Library Copy: In File

Triton Environmental Consultants Ltd. 2001. Size, distribution and abundance of juvenile chinook salmon of the Nechako River, 1997. Nechako Fisheries Conservation Program Technical Report M97-3. Prepared for: Nechako Fisheries Conservation Program. 42 p.

Record #: 770

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Library Copy: In File

Triton Environmental Consultants Ltd. 2001. Size, distribution and abundance of juvenile chinook salmon of the Nechako River, 1998. Nechako Fisheries Conservation Program Technical Report M98-3. Prepared for: Nechako Fisheries Conservation Program. 46 p.

Record #: 780

Hardcopy location: BNP, BVAFI, BVIEM, BPGC, BVA

Library Copy: In File

Triton Environmental Consultants Ltd. 2006. Size, distribution and abundance of juvenile Chinook salmon of the Nechako River, 2003. Nechako Fisheries Conservation Program Technical Report No. M03-3. Prepared for: Nechako Fisheries Conservation Program .

Record #: 6830

Hardcopy location: NFCP website

Library Copy: In File

Triton Environmental Consultants Ltd. 2006. Size, distribution and abundance of juvenile chinook salmon of the Nechako River, 2004. Nechako Fisheries Conservation Program Technical Report M04-3. Prepared for: Nechako Fisheries Conservation Program.

Record #: 7060

Hardcopy location: NFCP

Library Copy: In File

Triton Environmental Consultants Ltd. 2004. Supplemental Sampling of Emergent Fry Habitat in the Nechako River. Prepared for: Nechako Fisheries Conservation Program.

Record #: 6870

Hardcopy location: NFCP website

Library Copy: In File

Tutty, B. D. and Yole, F. Y. 1978. Overwintering chinook salmon in the upper Fraser River system. Fisheries and Marine Service Manuscript Report 1460. Canada Fisheries and Marine Service. 24 p.

Record #: 3580

Hardcopy location: BVAFI, NBAB, BPGC

Library Copy: In File

Wilson, J.Y., Addison, R.F., Martens, D., Gordon, R., and Glickman, B. 2000. Cytochrome P450 1A and related measurements in juvenile chinook salmon (*Oncorhynchus tshawytscha*). Canadian Journal of Fisheries and Aquatic Sciences **57**: 405-413.

Record #: 4570

Hardcopy location: BVAU, BVIV

Library Copy: In File.

3.8 Fisheries – Sockeye

Brannon, E.L. 1987. Mechanism stabilizing salmonid fry emergence timing. *In* Sockeye Salmon (*Oncorhynchus nerka*) Population Biology and Future Management. Edited by H.D. Smith and C.C. Woods. pp. 120-124.

Record #: 1860

Hardcopy location: BVAU

Hanson, K.C., Cooke, S.J., Hinch, S.G., Crossin, G.T., Patterson, D.A., English, K.K., Donaldson, M.R., Shrimpton, J.M., Van der Kraak, G., and Farrell, A.P. 2008. Individual variation in migration speed of upriver-migrating sockeye salmon in the Fraser River in relation to their physiological and energetic status at marine approach. *Physiological and Biochemical Zoology* **81**: 255-268.

Record #: 7400

Library Copy: In File

Hinch, S.G. and Rand, P.S. 1998. Swim speeds and energy use of upriver-migrating sockeye salmon (*Oncorhynchus nerka*): Role of local environment and fish characteristics. *Canadian Journal of Fisheries and Aquatic Sciences* **55**: 1821-1831.

Record #: 1730

Hardcopy location: BVAU, BPGUB

Library Copy: In File