

Scheduled for Digitization
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Books and Technical Reports:

- _____. 197?. Combined technical report—water quantity and quality studies of Vancouver Lake, Washington.
- _____. 1984?. Vancouver Lake maintenance and operations handbook and project summary. Vancouver, WA: Port of Vancouver.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/summarymo.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/summarymo.html)
With the completion of the flushing channel and dredging of the lake, the restoration project moved into the maintenance of the conditions of the lake. This handbook is designed to provide guidance to the Port of Vancouver on future maintenance and operations of the flushing channel and provides timelines for future dredging requirements.
- AGI Technologies. 1999. Geotechnical soils evaluation: Vancouver Lake lowlands, Vancouver, Washington. Vancouver, WA: Port of Vancouver.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/agi1999.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/agi1999.html)
While the title suggests the entire lowlands, the report is about a specific 80 acre parcel on the southeastern shore of Vancouver Lake. The area was used as a dredge spoil site that the Parks and Recreation Department would like to excavate to restore wetlands.
- Addy, C. 1991. 1990 annual water quality report for Burnt Bridge Creek—Clark County, Washington: draft report.
- Ames, K.C., D.B. Hawkins. 1997. Statistical analysis and areal trends of background concentrations of metals in soils of Clark County, Washington. U.S. Geological Survey (Water-resources investigations report 96-4252).
- Arvid Grant & Associates. 1976. Clark County-wide water supply development program: project status review. Vancouver, WA: Regional Planning Council of Clark County.
- Arvid Grant & Associates. 1977. Clark County-wide water supply development plan: phases I and II: final report. Vancouver, WA: Regional Planning Council of Clark County.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/arvid1977.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/arvid1977.html)
“Comprehensive documentation of the significant groundwater systems in Clark County and their responses to given sets of projected recharge and discharge conditions.” The data is based on differential equations which are figured using information from Clark County’s hydrologic character.
- Beecher, H. & C. Dugger. 1991. Salmon Creek (Clark County) Instream flow report, technical memorandum to K. Sinclair and B. Caldwell, Dept. of Wildlife, Dec. 16.
- Beeman, O. & G. Hartman. 1980. Dredge planning for lake reclamation: a case study. Vancouver, BC, Canada: Ninth World Dredging Conference.

- Beeson, M.H., T.L. Tolan. 1987. *Columbia River Gorge—the geologic evolution of the Columbia River in northwestern Oregon and southwestern Washington*. IN Hill, M.L. ed. Cordilleran section of the Geological Society of American: Geological Society of American DNAG Centennial Field Guide 1, p.321-326. [Not digitized due to copyright restrictions]
- Beeson, M.H., T.L. Tolan, I.P. Madin. 1991. Geologic map of the Portland quadrangle, Multnomah and Washington Counties, Oregon and Clark County, Washington. Olympia, WA: Oregon Dept. of Geology and Mineral Industries. (GMS-75).
- Bhagat, S.K. & W.H. Funk. 1968. Hydroclimatic studies of Vancouver Lake. Pullman, WA: Washington State University, Technical Extension Service. (WSU College of Engineering. Research Division. (Bulletin 301). [<http://www.fishlib.org/bibliographies/vlwp/documents/bhagat1968.html>]
“The study reported on in this publication deals with the problems of water pollution. Since the development plan of the area includes recreation as a significant use of the system, provision and maintenance of good water quality is essential for healthy recreational activity and as such is an important consideration in the overall planning of the area.”
- Bhagat, S.K., J.F. Orsborn. 1971. Summary report on water quantity and quality studies of Vancouver Lake, Washington. Pullman, WA: WSU college of Engineering Research Division. [<http://www.fishlib.org/bibliographies/vlwp/documents/bhagat1971.html>]
Background and history of Vancouver Lake followed by a summary of the various studies performed by the faculty at Washington State University at the request of the Port of Vancouver to establish conditions in Vancouver Lake.
- Bhagat, S.K., W.H. Funk, D.L. Johnstone. 1972. Correlated studies of Vancouver Lake-water quality prediction study. Washington, D.C.: U.S. EPA. [<http://www.fishlib.org/bibliographies/vlwp/documents/correlatedwq.html>]
As part of the larger study by faculty at Washington State University, the Water Quality Prediction Study was designed to show how the lake would be affected by proposed changes as well as to establish a baseline for future monitoring after completion of the rehabilitation projects.
- Bonneville Power Administration. 1995. Vancouver lowlands Columbia River wildlife mitigation project: preliminary environmental assessment and management plan. Portland, OR: BPA. (DOE/EA-0964) [<http://www.fishlib.org/bibliographies/vlwp/documents/bpa1995ea.html>]
Bonneville Power Administration proposes acquiring land and operating wildlife preserves as mitigation for the effects of construction of Bonneville and The Dalles Dams.
- Bonneville Power Administration. 1996. For Your Involvement (FYI): Vancouver lowlands Columbia River wildlife mitigation project (March & June). Portland, OR: BPA. [<http://www.fishlib.org/bibliographies/vlwp/documents/bpa1996fyi.html>]
Public information documents to inform the citizens of Vancouver, and especially those most directly affected in the lowlands, about the intentions of the BPA and Washington Dept. of Fish and Wildlife to develop and improve wildlife habitat in the region.

Bortleson, G.C. N.P. Dion, and J.B. McConnell. 1976. Reconnaissance data on lakes in Washington, v.4, Clark, Grays Harbor, Lewis, Pacific, Skamania, and Thurston counties. Olympia, WA: Washington State Dept. of Ecology. (Water-supply bulletin 43, v.4)

Bottman, B. to S. O'Brien. 1977. Metals and pesticide levels found in fish taken from Vancouver Lake [memo; May 19]. Olympia, WA: Washington Dept. of Ecology.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/bottman1977.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/bottman1977.html)

After the Pilot Dredge Study (Dames & Moore 1978a), the levels of metals and certain pesticides were at significant concentrations. A one time study was done to establish if these concentrations were affecting fish populations.

Buell, J.W. n.d. Anadromous salmonid fishery problems, possible solutions and other considerations relating to the proposed flushing channel for Lake Vancouver, Washington.

Burnt Bridge Creek Drainage Utility. 1982-1991. Annual water quality monitoring report for Burnt Bridge Creek. Vancouver, WA: Southwest Washington Health District Laboratory.

Burnt Bridge Creek Interim Management Board. 1979. Report. Vancouver, WA: the Board.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/bbcimb1979.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/bbcimb1979.html)

The City of Vancouver and Clark County governments agreed to jointly manage the Burnt Bridge Creek watershed. The Interim Management Board was created to help direct the plans until the 'Storm and Surface Water Utility' could be formalized.

Caldwell, B. (to G. Hanson). 1992. Salmon Creek Instream flow [letter; January 8]. Washington State Dept. of Ecology.

Caldwell, B. (to G. Hanson). 1992. Salmon Creek Instream flow mitigation [letter; December 29]. Olympia, WA: Washington State Dept. of Ecology.

Calkins, B.M. 1996. Evaluation of future habitat values and mitigation crediting within the BPA Vancouver Lowlands project area. Vancouver, WA: Washington Dept. of Wildlife.

Caromile, S.J., C.S. Jackson, W. Meyer. 2000. 1998 warmwater fish survey of Vancouver Lake, Clark County. Olympia, WA: Washington Dept. of Fish and Wildlife.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/caromile2000.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/caromile2000.html)

Inventories the fish species found in the lake and discusses habitat requirements for each.

CH2M-Hill. 1974. Water quality management plan: technical report, WRIA 27 and 28, Clark, Cowlitz, and Skamania Counties, Washington. Bellevue, WA: CH2M-Hill.

CH2M-Hill. 1995. Salmon Creek wastewater treatment plant expansion program: final environmental impact statement: phase III expansion, phase IV expansion, ultimate buildout expansion(s). Vancouver, WA: Clark County Dept. of Public Works.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/ch2mhill1995.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/ch2mhill1995.html)

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

As the development in the Salmon Creek watershed has grown, the need for sanitary sewers has increased so that Salmon Creek will not experience the same problems as Burnt Bridge Creek with septic system leakage. The Salmon Creek Wastewater treatment plant needs to expand to meet this growing need for more capacity.

City of Vancouver (Wash.). 1994. Visions for the Vancouver urban area, growth management plan.

City of Vancouver (Wash.). 1997. Shoreline management master program. Vancouver, WA: the City.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/shoreline1997.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/shoreline1997.html)

This plan manages 'shoreslines-of-the-state' which include "those portions of the Columbia River, Vancouver Lake, Lake River, Salmon Creek, Mill Creek, Burnt Bridge Creek (from I-205 to its mouth), and Glenwood (aka Curtin) Creek (south to approximately the alignment of 111th Street) within the stated boundaries. The Columbia River and Vancouver Lake are further classified as shoreslines-of-statewide-significance owing to their size, flow rates, and importance to the state." All development within the shoreline jurisdiction areas is governed by this management plan.

City of Vancouver (Wash.), Parks and Recreation Dept. 1985. City of Vancouver parks and recreation master plan.

Clark County (Wash.). 1981b. Master program for shoreline management. Prepared by Clark County Citizen Advisory Committee for Shoreline Management with Clark County. Clark County Board of Commissioners.

Clark County (Wash.). 1994a. Clark County park, recreation, and open space plan. Vancouver, WA: the County.

Clark County (Wash.); Clark Public Utilities. 1997. Lakeshore & Salmon Creek watershed areas business plan. Vancouver, WA: the County; CPU.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/lsc1997bp.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/lsc1997bp.html)

An implementation plan for the Legacy—Salmon Creek Watershed Management Plan, this business plan is "to employ an ecosystem approach to achieve fishable and swimmable conditions in the Lakeshore and Salmon Creek watershed areas."

Clark County (Wash.). 1994b. Clark County comprehensive growth management plan.

Clark County (Wash.), Parks and Recreation Dept. 1981a. Clark County comprehensive park and recreation plan. Vancouver, WA: the Dept.

Clark County (Wash.), Planning Dept. 1968. Vancouver Lake complex, staff analysis of the study completed by Stevens, Thompson, and Runyan. Vancouver, WA: the Dept.

Clark County (Wash.), Public Works Dept. 1984. Burnt Bridge Creek Drainage Basin flood control study: environmental impact statement. Vancouver, WA: the Dept.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/CCPW1984.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/CCPW1984.html)

Written as a supplement to the Burnt Bridge Creek Drainage Management Plan EIS, “This supplement will address only the recommended changes to the capital improvement program for flood control ...”

Clark County (Wash.), Public Works Dept. 1988. Burnt Bridge Creek basin progress report 1988. Vancouver, WA: the Dept.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/bbcbr1988.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/bbcbr1988.html)

Updates the various activities mandated by previous reports and outlines future actions to develop more plans.

Clark County (Wash.), Public Works Dept. 2004. Clark County stream health. Vancouver, WA: Clean Water program.

Clark County (Wash.), Water Quality Division. 1995. Burnt Bridge Creek watershed plan: Clark County watershed protection program. Vancouver, WA: the Division.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/bbc1995wp.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/bbc1995wp.html)

Blamed for pollution levels in Vancouver Lake, Burnt Bridge Creek has been studied and plans written to lower pollution levels draining into the lake. Clean up and protection plans are outlined to improve water quality and control flooding.

Clark County (Wash.), Water Resources Division. 1997. Lakeshore & Salmon Creek watershed areas plan: Clark County watershed protection program. Vancouver, WA: the Division.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/lsc1997wp.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/lsc1997wp.html)

“The overall watershed program goal is to prevent localized flooding, minimize streambank erosion and protect water resources at a minimal monetary cost to the local community.”

Education and outreach to the public is a primary part of the plan. The County also hopes to accomplish the goals of the plan with minimal costs to the public.

Clark County Ground Water Advisory Committee. 1992. Ground Water management plan: executive summary. Vancouver, WA: Clark County Dept. of Community Development, Water Quality Division. [\[http://www.fishlib.org/bibliographies/vlwp/documents/groundwater1992.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/groundwater1992.html)

Primary water supplies in Clark County are from ground water. Protecting this resource requires plans for preventing pollution from entering the aquifers. There are several toxic sites that affect aquifers in Clark County, and these are closely monitored. Groundwater recharge is from rainfall and the Columbia River which also serves as outfall.

Clark County-Vancouver Regional Planning Commission. 1960. Inventory of water and sewer (Utilities inventory of southwest Clark County). Vancouver, WA: the Commission.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/ccvrpc1960.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/ccvrpc1960.html)

Preliminary discussion of municipal water supplies and how the aquifers are currently being used. The second part discusses the sanitary sewer systems and how they are necessary to help protect the municipal water supplies from contamination.

Clark County-Vancouver Regional Planning Commission. 1961. An inventory of parks in Southwest Clark County, Washington. Vancouver, WA: the Commission.

- Clark County-Vancouver Regional Planning Commission. 1962. Tomorrow's neighborhood and community park needs: a dialogue and a proposed plan with supporting evidence. Vancouver, WA: the Commission. [<http://www.fishlib.org/bibliographies/vlwp/documents/ccvrpc1962.html>]
“In recognition of the problem of standards for future parks and recreation the Portland Metropolitan Planning Commission set up a technical advisory committee of local specialists in the fields of recreation and planning. The pages immediately following summarize the recommendations of that committee with respect to neighborhood and community parks, and illustrate future recreation area needs in the urban part of Clark County based on alternative standards or levels of service. Available figures are also presented for a comparison of present park and recreation acreages in selected Washington and Oregon cities.”
- Clark County-Vancouver Regional Planning Commission. 1963. A planning report on the Columbia River lowlands stretching between Vancouver and the Lewis River. Vancouver, WA: the Commission.
- Clark/Vancouver Television. 2004. Burnt Bridge Creek greenway restoration celebration [VIDEO]. Vancouver, WA: CVTV.
- Cogentrix Energy, Inc. 1995. Final environmental impact statement River Road generating project. Vancouver, WA: Public Utility District #1 of Clark County.
[<http://www.fishlib.org/bibliographies/vlwp/documents/riverroad1995.html>]
The River Road Generating Plant is built in the Vancouver lowlands. The EIS found no significant impacts from the construction and operation of the plant. While the plant may have no further impacts on the environment, the area around the plant was already highly disturbed by human activities.
- Collins, C.A. & T.A. Broad. 1993. Estimated average annual ground-water pumpage in the Portland Basin, Oregon and Washington 1987-88. Portland, OR: U.S. Geological Survey. (Report 91-4018).
- Cooper & Associates. 1980. Report to Port of Vancouver on cultural resources affected by the Vancouver Lake rehabilitation project, Clark County, Washington. Portland, OR: Cooper & Assoc.
[<http://www.fishlib.org/bibliographies/vlwp/documents/cooper1980.html>]
“The scope of the research to date has included: resurveying of selected areas, reconnaissance of areas not previously surveyed, synthesizing site specific information from previous surveys, eligibility, determining direct and indirect effects, developing possible mitigative measures, integrating archaeological data and research needs into the project design, developing an initial framework for a ‘life of the project’ cultural resource management plan as a possible mitigative combination alternative. Future work needed for compliance with cultural resource law will be discussed within a phased framework.”
- Cooper & Associates. 1981a. Vancouver Lake restoration project: progress report #1-7. Vancouver, WA: Port of Vancouver. [<http://www.fishlib.org/bibliographies/vlwp/documents/progressreports.html>]

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

Monthly updates on the progress of the project to restore Vancouver Lake and create the flushing channel. Includes engineering reports, monthly costs, and updates for schedules.

Cooper & Associates. 1984a. Report for Vancouver Lake post-project water quality monitoring, October 1983-January 1984 [memo; Feb 7]. Vancouver, WA: Port of Vancouver.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/cooper1984memo.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/cooper1984memo.html)
Quarterly report to summarize the water quality monitoring for the time period.

Cooper Consultants, Inc. 1983. Program description: Vancouver Lake post construction monitoring: draft. Vancouver, WA: Port of Vancouver.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/cooper1983.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/cooper1983.html)
“The post construction monitoring program at Vancouver Lake is intended to determine and document the flushing, fishery, water quality and related effects of the lake restoration project. A small work element involving the establishment of wetland vegetation suitable for wildlife habitat is also included in the program.”

Cooper Consultants, Inc. 1985. Water quality effects of dredging and flushing at Vancouver Lake: draft report. Vancouver, WA: Port of Vancouver.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/cooper1985.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/cooper1985.html)
Water quality monitoring during the restoration project was required to verify that required standards were being met during construction. “During construction, the monitoring program was expanded to attempt to assess the overall water quality changes in the lake subsequent to completion of dredging and operation of the flushing channel. This report details the findings of the expanded water quality monitoring program.”

Dames & Moore. 1977a. Master plan rehabilitation of Vancouver Lake, Vancouver, Washington. Seattle, WA: Dames & Moore.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/damesmaster1977.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/damesmaster1977.html)
Developed as part of the 208 Water Quality Management Plan (*Regional Planning Council of Clark County, 1978a*), the Master Plan outlines in detail the steps to rehabilitate Vancouver Lake.

Dames & Moore. 1977b. Bathymetric survey map, Vancouver Lake, Vancouver, Washington. Vancouver, WA: Regional Planning Council of Clark County.

Dames & Moore. 1978a. Pilot dredge program—Vancouver Lake (and follow-up report of 3/10/78). Seattle, WA: Dames & Moore.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/damespilot1978.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/damespilot1978.html)
The rehabilitation of Vancouver Lake hinged on the dredging portion of the project. A pilot study was conducted to determine the best type of dredging as well as the effects dredging would have on the water quality of the lake. It was determined that water quality would be negatively affected during the dredging process, but quality would improve rapidly at the conclusion of dredging as the flushing channel and new hydraulics of the lake took over the system.

Dames & Moore. 1978b. Geotechnical investigation: proposed flushing channel, Vancouver, Washington. Vancouver, WA: Regional Planning Council of Clark County.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/dames1978b.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/dames1978b.html)

Soil and groundwater conditions for the site of the flushing channel were evaluated to ascertain the appropriateness of the site and to determine any engineering requirements that might need to be changed due to variances in soil conditions or groundwater levels.

Dames & Moore. 1979a. Proposal: Vancouver Lake reclamation operations plan. Vancouver, WA: Port of Vancouver. [\[http://www.fishlib.org/bibliographies/vlwp/documents/dames1979.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/dames1979.html)

Proposal written to begin work on the Operations Plan (Dames & Moore 1980). Outlines the conditions set forth by the Environmental Protection Agency in the Final Environmental Impact Statement as well as the conditions of the Port of Vancouver to accept the funding for the Clean Lakes Program grant applied for in 1976 (Port of Vancouver 1976).

Dames & Moore [to R.F. Gorini]. 1979b. Fisheries—Vancouver Lake operations plan [memo; July 12]. Vancouver, WA: Port of Vancouver.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/dames1979memo.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/dames1979memo.html)

Explains the concerns and addresses how these concerns will be mitigated during operation of the flushing channel into Vancouver Lake. The fisheries of concern include the now endangered Chinook salmon and other salmon species wandering into the lake through the flushing channel or Lake River.

Dames & Moore. 1980. Operations plan: Rehabilitation of Vancouver Lake. Seattle, WA: Dames & Moore. [\[http://www.fishlib.org/bibliographies/vlwp/documents/dames1980.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/dames1980.html)

“The purpose of this operations plan is to provide specific criteria and recommendations for implementing the measures and actions presented in the 1977 Master Plan for the Rehabilitation of Vancouver Lake.”

Davis, T. 1983. Vancouver Lake post construction monitoring files: monthly summary report 5/1/83-5/31/83 [memo; 6/17]. Vancouver, WA: Cooper & Associates, Inc.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/memo19830617.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/memo19830617.html)

With completion of the flushing channel, other aspects of the Vancouver Lake Restoration Project as well as monitoring efforts to ensure the stability of the water quality are outlined with schedules for completion.

DeBoni & Associates. 1986a. Vancouver Lake lowlands land use plan analysis: a proposal. Vancouver, WA: DeBoni & Assoc.

DeBoni & Associates. 1986b. Questions and answers regarding the Clark County Planning Commission's recommendations for the Vancouver Lake lowlands. Vancouver, WA: Port of Vancouver, Alcoa.

DeBoni & Associates. 1986c. Vancouver Lake lowlands conservation and development plan. Vancouver, WA: Port of Vancouver, Aluminum Co. of America (Alcoa).

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

- Dion, N.P., G.C. Bortleson, J.B. McConnell, J.K. Innes. 1976. Data on selected lakes in Washington: pt. 5. Olympia, WA: Washington Dept. of Ecology. (Water-supply bulletin 42, pt.5).
- Ebbert, J.C., K.L. Payne. 1985. The quality of water in the principal aquifers of southwestern Washington. U.S. Geological Survey. (Water-resources investigations report 84-4093).
- Eddy, P.A. 1971a. Geology and ground water resources in vicinity of the Columbia River and Interstate 5, Clark County, Washington, no.3. Olympia, WA: Washington Dept. of Ecology. (Technical Report 71-10).
- Eddy, P.A. 1971b. Geology and ground water resources in vicinity of the Columbia River and Interstate 5, Clark County, Washington, no.2. Olympia, WA: Washington Dept. of Ecology. (Technical Report 71-9).
- Eddy, P.A. 1971c. Geology and ground water resources in vicinity of the Columbia River and Interstate 5, Clark County, Washington, no.4. Olympia, WA: Washington Dept. of Ecology. (Technical Report 71-11).
- EnviroData Solutions, Inc. 1998. Burnt Bridge Creek water quality data trend analysis. Vancouver, WA: City of Vancouver, Public Works.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/envirodata1998.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/envirodata1998.html)
Pulls together data that has been gathered since the early 1970's to summarize the conditions of the creek and provides recommendations for continued monitoring and further improvements in water quality.
- Envirosphere Co. 1983-1985. Vancouver Lake fisheries catch data report for ... [1982-1984]. Bellevue, WA: Envirosphere.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/envirospherecatchdata.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/envirospherecatchdata.html)
Annual reports to analyze catch data for fisheries in Vancouver Lake. Each provides a summary of the species found in the lake according to the methods set out in the monitoring and evaluation program of the Vancouver Lake Restoration Project.
- Envirosphere Co. [to Cooper Consultants, Inc.]. 1983-1984. Report for Vancouver Lake restoration fish sampling[memo]. Vancouver, WA: Port of Vancouver.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/envirospheresamplingmemo.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/envirospheresamplingmemo.html)
Quarterly report to summarize fish sampling data for the time period.
- Envirosphere Co. 1986. Habitat inventory and evaluation of the Vancouver Lake/Columbia River lowlands for Port of Vancouver USA. Bellevue, WA: Envirosphere.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/envirosphere1986.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/envirosphere1986.html)
Written to provide a baseline for future planning and development in the lowlands.
- Fies, T.T. 1971. Survey of some sloughs of the lower Columbia River. Salem, OR: Oregon State Game Commission.

- Fishman Environmental Services, LLC. 2002. Vancouver Lake flushing channel phase 1 investigations: summary of results. Vancouver, WA: Port of Vancouver.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/fishman2002.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/fishman2002.html)
Preliminary effort to determine current conditions of Vancouver Lake and to determine if there is enough data to establish answers to questions about salmonid habitat.
- Gaddis, P. 1994a. Burnt Bridge Creek biological monitoring program: benthic invertebrates and water quality, 1991-1992.
- Gaddis, P. 1994b. Burnt Bridge Creek—water quality monitoring report, 1991-1993. Vancouver, WA: Clark County Water Quality Division.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/gaddis1994\]](http://www.fishlib.org/bibliographies/vlwp/documents/gaddis1994)
Continuously monitored, Burnt Bridge Creek water quality was report annually until 1990, then summarized for 1991 to 1993 in this report. Water quality continues to be poor in the creek which has adversely affected water quality in Vancouver Lake.
- Gannett, M.W., R.R. Caldwell. 1998. Geologic framework of the Willamette Lowland aquifer system, Oregon and Washington. U.S. Geological Survey. (Professional Paper 1424-A).
- Gorini, R.F. 1987. Lake restoration by dredging. IN Management of bottom sediments containing toxic substances: proceedings of the U.S./Japan experts meeting (13th) held in Baltimore, Maryland on 3-5 November 1987. [\[http://www.fishlib.org/bibliographies/vlwp/documents/gorini1987.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/gorini1987.html)
Summarizes the Vancouver Lake Restoration Project and specifically addresses the dredging portions of the plan. All aspects of the dredging process are described as well as the benefits derived from the contouring of the lake bottom.
- Gorini, R.F. [to B.H. Hanke]. 1988. IRC grant request to monitor Vancouver Lake [memo; 3/24]. Vancouver, WA: Port of Vancouver.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/memo19880324.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/memo19880324.html)
Outlines the need for periodic monitoring of lake conditions and what maintenance might also be required to keep the lake above state water quality standards.
- Graham, N. (to P. Hildebrandt). 1972. Scoping for water quality survey on Salmon and Burnt Bridge Creeks, Clark County, Washington [memo; 11/1].
[\[http://www.fishlib.org/bibliographies/vlwp/documents/memo19721101.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/memo19721101.html)
As primary tributaries in the Vancouver Lake watershed, Salmon Creek and Burnt Bridge Creek water quality significantly impacts the water quality in the lake. Determination of water quality in the creeks helps to understand the water quality dynamics of the lake.
- Gray & Osborne. 1996. Water system comprehensive plan. Vancouver, WA: City of Vancouver Water Utility.
- Griffin, W.C. F.A. Watkins, Jr., & H.A. Swenson. 1956. Water resources of the Portland, Oregon and Vancouver, Washington, Area. Washington, D.C.: U.S. Geological Survey. (Circular 372).

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

- HDR Engineering, Inc. 2002. Salmon Creek limiting factor analysis. Portland, OR: U.S. Army Corps of Engineers ; Vancouver, WA: Clark Public Utilities.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/hdr2002.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/hdr2002.html)
Evaluates the Salmon Creek basin for biological and habitat constraints that limit salmonid survival in all freshwater life stages. Identifies those areas that most need improvement and makes recommendations to remedy those problems with the highest mortality.
- Habitek Consortium. 1986. Vancouver Lake lowlands comprehensive plan review and revision. Vancouver, WA: Clark County Board of Commissioners, Clark County Planning Commission.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/habitek1986.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/habitek1986.html)
“to provide a major review and updating of the Clark County Comprehensive Plan affecting over 13,000 acres in the Vancouver Lake Lowlands area.” Proposes various changes to previous plans for the area as well as strategies for implementation.
- Harvester & Willie. 1989. An adult and juvenile salmonids population estimate and habitat evaluation in the Salmon Creek Basin. Olympia, WA: Washington Dept. of Ecology.
- Hibbs, C.H. & L. Ross. 1972. Archaeological reconnaissance of the southern shore of Vancouver Lake, Clark County, Washington. Vancouver, WA: National Park Service, Ft Vancouver National Historic Site. [\[http://www.fishlib.org/bibliographies/vlwp/documents/hibbs1972.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/hibbs1972.html)
To perform a survey of the areas where levees were to be constructed along the southern shore of the lake. Several sites were found and a more extensive survey/inventory was scheduled.
- Houghton, S.A. [to K. Robbins, D. Gorini]. 1979. Evaluation of potential salmonids losses at Vancouver Lake [memo; Oct 16]. Vancouver, WA: Port of Vancouver.
- J.R. Carr & Associates. 1985. Ground water management and development plan. Prepared for Clark County Public Utility District.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/groundwater1992.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/groundwater1992.html)
- Jeane, G.S. (to D. Burkhalter). 1973. Water quality survey of Burnt Bridge and Salmon Creeks, Clark County, Washington [memo; 2/1]. Olympia, WA: Washington State Dept. of Ecology.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/memo19730201.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/memo19730201.html)
Salmon Creek and Burnt Bridge Creek sampled the two creeks to determine water quality. Aquatic insects richness and evenness were analyzed as well as basic water quality standards such as temperature, pH, turbidity, dissolved oxygen, and nutrients.
- Kent, R.J. 1982. Cultural resources research design for the Vancouver Lake restoration project: a proposal for completion of cultural resource survey, data recovery, laboratory analysis, reports and curation. Portland, OR: Cooper & Assoc.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/kent1982.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/kent1982.html)
Proposal to continue the archaeological record on the Columbia River lowlands to help complete the record on settlement patterns in the lowlands and around Vancouver Lake. This project was

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

proposed as a result of the discovery of significant sites in areas affected by the Vancouver Lake Restoration Project.

Kincheloe, J.W. [to D. Gorini]. 1977. Summary of the Fish and Wildlife Service's gill net survey in Vancouver Lake [memo; March 4]. Portland, OR: U.S. Fish and Wildlife Service.

Knutzen, J.A. & R.D. Cardwell. 1984. Fisheries monitoring program: Vancouver Lake restoration project (revised). Bellevue, WA: Envirosphere Co.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/knutzen1984.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/knutzen1984.html)

Reservations about the Vancouver Lake Restoration Project included concerns that the flushing channel might divert migrating salmonids into the lake which would affect their upstream migration as the flushing channel is designed as a one-way system. Resident fish would also be affected by the introduction of Columbia River water which was predicted to have a major affect on the lake's system. Monitoring and evaluation were proposed to ensure the survival of resident fish as well as the affects on migratory paths of salmonids.

Kranz, R.D. & B. MacWhinney, M.E. Boule, T. Miller. 1987. Wetland delineation, functional value assessment, and protection mechanisms on the Vancouver Lake lowlands (prepared for Clark County Planning Dept.). Seattle, WA: Shapiro & Assoc.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/shapiro1987.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/shapiro1987.html)

This study was written to provide better detail of the lowlands' wetland habitats and to further divide the various ecosystems found in the lowlands for more precise zoning for protection and development.

Lin, C., S.K. Bhagat, J.F. Orsborn. 1972. Simulation of water quality enhancement in a polluted lake: a case study of Vancouver Lake, Washington. Pullman, WA: WSU Engineering Extension Service. (WSU College of Engineering, Research Division, Bulletin 324).

[\[http://www.fishlib.org/bibliographies/vlwp/documents/lin1972.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/lin1972.html)

"This study emphasizes the analysis of flow regime and water quality conditions in the lake before and after the dredging of the lake, and the construction of the conduit are accomplished." The authors developed a mathematical model that can be applied to other lake systems using Vancouver Lake as a test case.

Lincoln, J.H. & R.F. Foster. Report on investigation of pollution in the lower Columbia River. Olympia, WA: Washington State Pollution Commission; Salem, OR: Oregon State Sanitary Authority.

Lower Columbia Fish Recovery Board. 2004. Lake River Tributaries (Lower Columbia Tributaries).

Longview, WA: the Board. [\[http://www.lcfrb.gen.wa.us/2004%20Strategy/App%20IV%20WS/Lake%20River%20WS.pdf\]](http://www.lcfrb.gen.wa.us/2004%20Strategy/App%20IV%20WS/Lake%20River%20WS.pdf)

Brief survey of the habitat available for salmonids in the Lake River watershed, including Salmon Creek and Vancouver Lake. Tables consist of fish distribution and habitat types.

Mabey, M.A., I.P. Madin and S.P. Palmer. 1994. Relative earthquake hazard map for the Vancouver, Washington, urban region. Olympia, WA: Washington Division of Geology & Earth Resources.

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

- Manson, C.J. 1999. Bibliography and index of the geology of Clark County, Washington. Olympia, WA: Washington Dept. of Natural Resources, Div. of Geology and Earth Resources. [\[http://www.evergreen.edu/library/govdocs/pdf/wadnr/biblio/clark/08nov99.pdf\]](http://www.evergreen.edu/library/govdocs/pdf/wadnr/biblio/clark/08nov99.pdf)
Bibliography of all geologic reports and maps for Clark County, includes information resources on ground water.
- Matrix Management Group. 1985. Lowlands industrial area infrastructure conceptual engineering report. Prepared for the Port of Vancouver, Washington.
- McFarland, W.D. & D.S. Morgan. 1996. Description of the ground-water flow system in the Portland Basin, Oregon and Washington. Portland, OR: U.S. Geological Survey. (Water-supply paper 2470-A).
- McGinn, M. 2004. Cyanobacteria (blue-green algae) monitoring plan for Vancouver Lake. Vancouver, WA: City of Vancouver; Clark County. [\[http://www.fishlib.org/bibliographies/vlwp/documents/mcginn2004.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/mcginn2004.html)
Recent droughts have slowed the water turnover in Vancouver Lake and silting of the flushing channel has slowed the amount water washing in from the Columbia River. As a eutrophic (rich in nutrients) lake, Vancouver Lake easily supports algal blooms. In particular, blue-green algae can be toxic and sampling bi-weekly over the summer months can help the Clark County Health Dept. determine when the lake is unsafe for contact.
- Meigs, G.R. [to D. Tilson, P. Gregory]. 1973. Supplemental questions relative to Vancouver Lake reclamation [memo; April 20]. Vancouver, WA: Stevens, Thompson & Runyan.
- Miller, Karen. 1977. Wetland habitat evaluation: Vancouver Lake, Washington. Sacramento, CA: Jones & Stokes Assoc. [\[http://www.fishlib.org/bibliographies/vlwp/documents/miller1977.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/miller1977.html)
“This report identifies and describes wetland and lowland wildlife habitats surrounding Vancouver Lake and estimates the value of these habitats to the dominant faunal species. An attempt is made to rank habitat types in order of their value to wildlife.” Aquatic habitats are not evaluated or delineated.
- Morgan, D.S. & W.D. McFarland. 1994. Numerical model analysis of the ground-water flow system in the Portland Basin, Oregon and Washington. U.S. Geological Survey. (Water-resources investigations report 92-4089).
- Morgan, D.S. & W.D. McFarland. 1996. Simulation of the ground-water flow system in the Portland Basin, Oregon and Washington. Portland, OR: U.S. Geological Survey. (Water-supply paper 2470-B).
- Mundorff, M.J. 1959. Geology and ground water resources of Clark County, Washington. Washington, D.C.: U.S. Geological Survey. [\[Unable to obtain complete copy of document; http://www.fishlib.org/bibliographies/vlwp/documents/mundorff1959.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/mundorff1959.html)

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

Complete, technical descriptions of the geology, surface water and ground water resources of Clark County. Includes discussion of efficiency of wells for irrigation, municipal water supply, and industrial uses.

Mundorff, M.J. 1964. Geology and ground-water conditions of Clark County, Washington, with a description of a major alluvial aquifer along the Columbia River. Portland, OR: U.S. Geological Survey. (Water-supply paper 1600).

[\[http://www.fishlib.org/bibliographies/vlwp/documents/mundorff1964.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/mundorff1964.html)

Munsell, D.A. 1973. An archaeological survey of the Clark County Park at Vancouver Lake, Vancouver, Clark County, Washington. Vancouver, WA: Clark County Parks & Recreation Commission.

O'Brien, S. [to J. Watne]. 1979. Status and inter-relationships of 208 and related programs. Vancouver, WA: Clark County, Clean Water Program.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/obrien1979.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/obrien1979.html)

“A summary of the status of the 208 Program since its beginnings in 1975 as well as the status of other water programs that are closely related to the 208.”

Oetting, R.A. & R. Minor. 1989. Cultural resource survey of the southeastern shoreline of Vancouver Lake, Clark County, Washington. Eugene, OR: Heritage Research Associates.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/oetting1989.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/oetting1989.html)

A survey to determine if any sites of historical significance were located in the construction site for a levee for an industrial development in the lowlands.

Ogden, Beeman & Associates. 1985. Appendix report on sedimentation and flushing system characteristics--Vancouver Lake reclamation project.

Orsborn, J.F. 1971a. Hydrographic study of Vancouver Lake. College of Engineering, Research Div., Washington State University.

Orsborn, J.F. 1971b. Hydrologic study of Vancouver Lake. College of Engineering, Research Div., Washington State University.

Orsborn, J.F. 1972. Correlated studies of Vancouver Lake-hydraulic model study. Washington D.C.: U.S. Environmental Protection Agency.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/correlatedhms.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/correlatedhms.html)

A model of the lake was constructed to predict how planned changes in the hydraulic structure of the lake would affect the system's environment. Other options for lake rehabilitation were also tested.

Pacific Groundwater Group (PGG). 1997. Salmon Creek basin monitoring and management implementation plan annual report 1996. Prepared for Clark Public Utilities, Vancouver, Washington.

- Pacific Groundwater Group (PGG). 1999. Salmon Creek basin monitoring and management implementation plan annual report.
- Pacific Groundwater Group (PGG). 2000. Salmon Creek basin monitoring and annual report 1999. Prepared for Clark Public Utilities, Vancouver, Washington.
- Pacific Groundwater Group (PGG). 2002. Salmon Creek watershed assessment.
- Pacific Northwest River Basins Commission. 1970. Water resources, Appendix V, Columbia-North Pacific Region comprehensive framework study, v.2, subregions 7-12. Vancouver, WA: PNRBC.
- Parente, W.D. and J.G. Smith. 1981. Columbia River backwater study: phase two. Vancouver, WA: U.S. Fish & Wildlife Service, Fisheries Assistance Office.
- PBS Engineering and Environmental. 2004. Quality assurance project plan: Burnt Bridge Creek water quality monitoring. Vancouver, WA: City of Vancouver, Surface Water Management.
[\[http://www.fishlib.org/bibliography/vlwp/documents/pbs2004.html\]](http://www.fishlib.org/bibliography/vlwp/documents/pbs2004.html)
This monitoring plan is limited to just the area between NE 18th St and I-205.
- Perron Partnership. 1973. Vancouver Lake Park, a master plan study prepared for Clark County Parks and Recreation Dept. Olympia, WA: Arvid Grant & Associates.
[\[http://www.fishlib.org/bibliographies/vlwp/documents/perron1973.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/perron1973.html)
“to formulate a development program that will be: responsive to recreation user needs, feasible and appropriate for the park site, and cognizant of the opportunities and limitations presented by anticipated future developments for the lake and the surrounding lowland basin.”
- Petersen, R.R. & L. Carter. 1977. Water quality assessment: Vancouver Lake, Lake River, Burnt Bridge Creek, Columbia River. Prepared for Wilsey & Ham.
- Phillips, W.M. 1987 (rev.). Geologic map of the Vancouver quadrangle, Washington and Oregon. Olympia, WA: Washington Div. of Geology and Earth Resources. (Open-file report 87-10). 1:100,000 scale map. Includes descriptions of geochemical data, sedimentary deposits, and elevations.
- Port of Vancouver. n.d. Proposed Columbia River lowlands/Vancouver Lake FAIR study: flood control, agriculture, industry, recreation. Vancouver, WA: the Port.
- Port of Vancouver. 1965a. Columbia River lowlands/Vancouver Lake: outdoor recreation and open space plan. [F.A.I.R. Study].
- Port of Vancouver. 1965b. Columbia River lowlands/Vancouver Lake F.A.I.R. study (flood, agriculture, industry, recreation).
- Port of Vancouver. 1971?. Time to plan [FILM].

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

Port of Vancouver. 1973a. Status report on the Vancouver Lake area project. Vancouver, WA: the Port.

Port of Vancouver. 1973b. Rebirth of a Lake [FILM].

Port of Vancouver. 1976. Vancouver Lake reclamation [EPA grant application]. Vancouver, WA: the Port. [<http://www.fishlib.org/bibliographies/vlwp/documents/pov1976.html>]
Grant application for the Clean Lakes Program for the Environmental Protection Agency to assist with the massive rehabilitation effort to restore acceptable water quality to Vancouver Lake and its tributaries.

Port of Vancouver. 1979a?. Outline summary: the Vancouver Lake reclamation program. Vancouver, WA: the Port. [<http://www.fishlib.org/bibliographies/vlwp/documents/pov1979a.html>]
Outlines the background and history as well as funding and grant application status for the reclamation program. Discusses the requirements to continue with the grants from EPA and WDOE. Attached is an outline of the Operations Plan (Dames & Moore 1980).

Port of Vancouver. 1979b?. Operations plan [summary]. Vancouver, WA: the Port. [<http://www.fishlib.org/bibliographies/vlwp/documents/pov1979b.html>]
Summary of the Operations Plan (Dames & Moore 1980). Includes comments, contribution analysis, and implementation recommendations for the project.

Port of Vancouver. 1985?. Vancouver Lake. Vancouver, WA: the Port.

Port of Vancouver. 1986. Vancouver Lake reclamation project. Vancouver, WA: the Port. [<http://www.fishlib.org/bibliographies/vlwp/documents/pov1986.html>]
Summary of the efforts of the Port to restore Vancouver Lake, most likely a press release on the project.

Port of Vancouver?. 1988?. Development of a proposal to reassess the status of Vancouver Lake restoration 205(j) concept paper. Vancouver, WA: the Port. [<http://www.fishlib.org/bibliographies/vlwp/documents/pov1988concept.html>]
Even after the extensive rehabilitation project in the early 1980's, the lake remains on the lower side of the water quality scale. This paper is a proposal to develop a new project to reassess the conditions of the lake and create a new baseline to proceed with restoring water quality.

R2 Resource Consultants, Inc. 2004. Kalama, Washougal and Lewis River habitat assessments: chapter 5, the Salmon Creek basin. Longview, WA: Lower Columbia Fish Recovery Board. [http://www.lcfrb.gen.wa.us/Watershed%20Assessmsent%20Report%20Chps/LCFRB_Chapter5_SalmonBasin_FINAL_12.31.04.PDF]
This assessment was written in order to provide better detail for the Subbasin planning process as outlined by the Northwest Power and Conservation Council.

Raymond, R.B. & F.C. Cooper. 1983a. *Vancouver Lake: pre-restoration status and restoration progress report*. IN Lake Restoration, Protection & Management, Taggart, J. & Moore, L. (eds.) [<http://www.fishlib.org/bibliographies/vlwp/documents/raymond1983a.html>]

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

Summarizes the conditions of the lake and how progress in the restoration process has affected water quality in the lake. Also discusses briefly how improved water quality affects recreational uses of the lake.

Raymond, R.B. & F.C. Cooper. 1983b. *Vancouver Lake: dredge material disposal and return flow management in a large lake dredging project*. IN Lake and Reservoir Management, Proceedings of the Third Annual Conference. Knoxville, TN: North American Lake Management Society, October 18-20, 1983, p.580-585.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/raymond1983b.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/raymond1983b.html)

Provides specific details about the environmental aspects of dredging the lake as well as specifics about how to handle dredging in a large shallow lake.

Regional Planning Council of Clark County. 1970. Environmental design sketch plan. Vancouver, WA: the Council. [\[http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1970.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1970.html)

Meant to create dialogue in the community about protecting the environment and developing plans to preserve natural resources.

Regional Planning Council of Clark County. 1973. Parks and recreation element of the comprehensive plan. Vancouver, WA: the Council.

Regional Planning Council of Clark County. 1974a. Vancouver land use inventory. Vancouver, WA: the Council. [\[http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1974a.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1974a.html)

Documents existing land use patterns in the city limits of Vancouver (at the time) and the environmental impacts of those patterns. This inventory is part of the data gathering stage to develop an informed growth management plan.

Regional Planning Council of Clark County. 1974b. Clark County land use inventory. Vancouver, WA: the Council. [\[http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1974b.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1974b.html)

Documents existing land use patterns in the unincorporated county and the environmental impacts of those patterns. This inventory is part of the data gathering stage to develop an informed growth management plan.

Regional Planning Council of Clark County. 1974c. Vancouver Lake task force report: a recommended land use concept and policies. INCLUDES Subsurface investigations. Vancouver, WA: the Council. [\[http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1974c.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1974c.html)

The Task Force recommended multiple land uses. The area was divided into zones so each area could be considered with the best data for that land type rather than trying to make decisions for the entire lowlands areas as a whole.

Regional Planning Council of Clark County. 1975a. Final environmental impact statement Vancouver Lake Task Force report: recommended land use concept and policies. Vancouver, WA: the Council. [\[http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1975a.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1975a.html)

“The anticipated action involves the eventual adoption of a recommended land use concept that would become an amendment to the County Comprehensive Plan. The land use concept through

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

the application of the goal, objectives and policies would provide a framework for rational land uses within the constraints of the lowlands natural environment.”

Regional Planning Council of Clark County. 1975b. Project control program, areawide waste treatment management planning (Section 208, Federal Water Pollution Control Act). Vancouver, WA: the Council.

Regional Planning Council of Clark County. 1975c. Burnt Bridge Creek drainage management study—preliminary master plan: phase one. Vancouver, WA: Kramer, Chin & Mayo-Water Resources Engineers, Inc.

Regional Planning Council of Clark County. 1976a. Burnt Bridge Creek drainage management study: water quality summary. Vancouver, WA: Kramer, Chin & Mayo-Water Resources Engineers, Inc. [<http://fishlib.org/bibliographies/vlwp/documents/kcm1976wq.html>]

Assesses the impacts of increased urbanization on Burnt Bridge Creek and evaluates future ramifications this urbanization on water quality in the creek and its tributaries.

Regional Planning Council of Clark County. 1976b. Burnt Bridge Creek drainage management study (alternative plans summary report (product I) including initial draft outline of final report (product K)). Vancouver, WA: Kramer, Chin & Mayo-Water Resources Engineers, Inc. [<http://www.fishlib.org/bibliographies/vlwp/documents/kcm1976ap.html>]

Presents alternative plans for dealing with surface runoff in the Burnt Bridge Creek basin. Each of these plans includes contingencies for dealing with 100-year floods to prevent stream erosion.

Regional Planning Council of Clark County. 1976c. Computer simulation report, Task 6.4 (preliminary draft). Vancouver, WA: Kramer, Chin & Mayo-Water Resources Engineers, Inc.

Regional Planning Council of Clark County. 1976d. Burnt Bridge Creek drainage management study: review draft of recommended plan and appendix B water quality, summary report. Vancouver, WA: Regional Planning Council of Clark County.

Regional Planning Council of Clark County. 1977. Recommended plan: Clark County Clean Water Program, Burnt Bridge Creek element. Vancouver, WA: Kramer, Chin & Mayo, Inc.-Water Resources Engineers, Inc.

[<http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1977.html>]

The primary objective of this plan is to achieve a ‘steady state’ for water quality in Burnt Bridge Creek. Further objectives hope to begin restoring water quality to meet federal and state standards for water quality in similarly classified streams.

Regional Planning Council of Clark County. 1978a. Water quality management plan [208 water quality management plan]. Vancouver, WA: the Council.

[<http://www.fishlib.org/bibliographies/vlwp/documents/208report.html>]

The plan covers the southern half of Clark County, including the Vancouver Lake watershed and the Washougal River watershed. The data shows that all water bodies in the study are impacted heavily by non-point source pollution. The plan would like aggressive action to repair the damage

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

and prevent future pollution, but recognizes that monetary and practical considerations mean that pollution may only be reduced, not eliminated.

Regional Planning Council of Clark County. 1978b. Final environmental impact statement for Burnt Bridge Park, a residential-commercial development in Clark County, Washington. Wilson Design, Clark County Commissioners.

Regional Planning Council of Clark County. 1979. County comprehensive plan: final environmental impact statement. Vancouver, WA: the Council.

Regional Planning Council of Clark County. 1980a. Vancouver historic survey. Vancouver, WA: the Council.

Regional Planning Council of Clark County. 1980c. Salmon Creek Pollution Control Plan. Vancouver, WA: the Council. [<http://www.fishlib.org/bibliographies/vlwp/documents/rpccc1980c.html>]
Part of the 208 planning process, the pollution control plan for Salmon Creek is an expansion of the Water Quality Management Plan (Regional Planning Council of Clark County 1978a) for this watershed.

Regional Planning Council of Clark County. 1981a. Comprehensive plan, city of Vancouver, Washington. Vancouver, WA: the Council.

Regional Planning Council of Clark County. 1981b. Clark County comprehensive plan [updated]. Vancouver, WA: the Council.

Regional Planning Council of Clark County. 1982. Clark County coordinated water system plan. Economic & Engineering Services, Inc.

Regional Planning Council of Clark County. 1983. Comprehensive plan. Vancouver, WA: the Council.

Regional Planning Council of Clark County. 1984a. Vancouver Lake lowlands industrial development plan: proposed scope of work and budget (prepared for the Port of Vancouver USA). Vancouver, WA: the Council.

Regional Planning Council of Clark County. 1984b. Vancouver Lake lowlands planning study [incomplete].

Robert E. Meyer Consultants, Inc. 1981. Salmon Creek Basin sewer master plan. Vancouver, WA: Clark County Board of Commissioners.

[<http://www.fishlib.org/bibliographies/vlwp/documents/meyer1981.html>]

Plans for the next 20 years of growth in the northern portion of Clark County. "Without a master plan, sewerage facilities could be provided that would not allow for orderly development of residential and business properties in the basin without violating Federal and State requirements. Adverse environmental situations and/or health hazards could also result without a sewer master plan."

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

Robinson, Noble, & Carr, Inc. 1980. City of Vancouver ground-water source and use study. Vancouver, WA: RNC.

Rosholt, J.E. [to N. Smith]. 1974. Water quality of streams in Clark County [memo; Sept 4]. Vancouver, WA: Clark County Water Quality Division.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/rosholt1974.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/rosholt1974.html)

Part of the technical document required for the 208 management plan, this report summarizes surface water quality in Clark County.

Samadpour, M. & C. Addy. 1998. Burnt Bridge Creek microbial source tracking: identification of sources of microbial pollution in Burnt Bridge Creek watershed. Vancouver, WA: Burnt Bridge Creek Drainage Utility. [\[http://www.fishlib.org/bibliographies/vlwp/documents/samadpour1999.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/samadpour1999.html)

Microbial pollution of Burnt Bridge Creek can be traced to several sources, with at least one quarter of the load traced directly to human impacts. Septic systems account for the majority of E. coli found in the stream and can be eliminated by removing the systems and hooking buildings up to the sanitary sewer system.

Schnabel, J. 2004. Salmon Creek watershed: summer 2003 stream temperature. Vancouver, WA: Clark County Public Works, Water Resources Section.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/schnabel2004.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/schnabel2004.html)

Temperature data was collected and assessed to determine if stream temperatures exceeded Washington State water quality criteria as well as aquatic life, especially salmonid, requirements. The report also tested for correlations between riparian canopy, groundwater influences, and ponding and stream temperatures.

Scofield, D.H., J.D. Martin. 1997. Examples of groundwater/surface water interactions along lower Columbia River, Oregon/ Washington [abstract]. Association of Engineering Geologists, 40th Annual Meeting, program with abstracts, p. 146-147.

Shannon & Wilson, Inc. 1972. Subsurface investigation Vancouver Lake urban planning project, Port of Vancouver, Washington. Portland, OR: Stevens, Thompson & Runyan.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/shannonwilson1972a.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/shannonwilson1972a.html)

“The investigation described in this report considers only the dredging of the Lake and spoil placement aspects of the overall project, with the understanding that recreational, agricultural and possibly industrial development would be desirable over the hydraulically placed dredge spoil.

Sheely, Terry W. 2002. Washington State fishing guide. 8th ed. Black Diamond, WA:

TNScommunications.

Contains complete descriptions of water bodies throughout the state of Washington with information on fish species found within each.

Skolnick, A. 1979. Cultural resources investigation in the Vancouver Lake Project Area, Washington. Seattle, WA: U.S. Army Corps of Engineers.

[\[http://www.fishlib.org/bibliographies/vlwp/documents/skolnick1979.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/skolnick1979.html)

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

“A total of fifty-eight prehistoric sites and fourteen historic sites were located, surveyed, inventoried and evaluated. In addition, the culture history of the area was thoroughly investigated.” The area was found to be seasonally occupied and an important area for Native American activities, especially along the shores of the Columbia River.

Snyder, D.T., D.S. Morgan, & T.S. McGrath. 1994. Estimation of ground-water recharge from precipitation, runoff into drywells, and on-site waste-disposal systems within the Portland Basin, Oregon and Washington. Portland, OR: U.S. Geological Survey. (Water-resources investigation report 92-4010).

Stevens & Thompson, Inc. 1965. Master plan sewerage study for Vancouver, Washington. Portland, OR: Stevens & Thompson.

Stevens, Thompson & Runyan. 1967a. Preliminary report: Vancouver Lake alternative land use development plans. Vancouver, WA: STR.

Stevens, Thompson & Runyan. 1967b. Vancouver Lake complex development plan: prepared for Port of Vancouver and Clark County-Vancouver Regional Planning Commission. Portland, OR: Stevens, Thompson & Runyan. [<http://www.fishlib.org/bibliographies/vlwp/documents/str1967.html>]
The area surrounding Vancouver Lake was studied and a plan developed to create a ‘complex’ of industrial, agricultural and recreational uses. The Regional Planning Commission appointed a steering committee to meet with the planning consultant. Industry was planned as the major use of the area with channels from the Columbia River to provide access to Vancouver Lake for shipping.

Stevens, Thompson & Runyan. 1970. Clark County sewerage and drainage master plan. Vancouver, WA: Regional Planning Council of Clark County.
[<http://www.fishlib.org/bibliographies/vlwp/documents/str1970.html>]

“The primary objective of this study is to develop long range plans for sanitary sewerage and surface drainage in the study area and to coordinate existing and projected land use development plans with these considerations.” The study concentrates on urbanized areas, which make up slightly less than one half of the county.

Stevens, Thompson & Runyan. 1973. Vancouver Lake reclamation: lake dredging and Columbia River channel. Vancouver, WA: Port of Vancouver.
[<http://www.fishlib.org/bibliographies/vlwp/documents/pov1973.html>]

This study specifically looks at options for uses of the lake, location and possibilities for uses of the flushing channel, engineering and cost considerations for each of the alternatives. This study reached the decision over where the flushing channel would be located as well as disposition sites for dredge spoils.

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[\[http://www.fishlib.org/bibliographies/vlwp/documents/usace1972c.html\]](http://www.fishlib.org/bibliographies/vlwp/documents/usace1972c.html)
“This meeting tonight is not concerned whether a project should be authorized for Vancouver Lake area. It is concerned with the location and extent of the proposed flood protection works,

Lake River and Salmon Creek
http://www.fishlib.org/bibliographies/vlwp/title_page.html

area to be protected, and the impacts of those works on existing and future development of the area.”

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Conditional approval of the 208 Water Quality Management Plan (*Regional Planning Council of Clark County, 1978a*). Conditions include the removal of septic systems in favor of sanitary sewer, and controls for urban runoff and agricultural wastes. The Vancouver Lake Rehabilitation

Plan was also conditionally approved upon “resolution of the fishery problems associated with the diversion from the Columbia River into the lake.”

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