

As Compued by Larry J. Kunzier August 11, 2002			
PROJECTS	DATE	TITLE	
Levees (Setback)	12/11/1897 S 1/8/1898 HD	SURVEY OF SKAGIT RIVER FROM ITS MOUTH TO SEDRO, WASH., Survey (S) by Capt. Harry Taylor, Corps of Engineers {published as House Document #204, 55 <sup>th</sup> Congress,2 <sup>nd</sup> Session} (Levees too close to edge of river.)	
Levees (Setback)	12/6/12 PE 1/26/14 S 4/30/14 HD	SKAGIT RIVER, WASH., PE by Major J. B. Cavanaugh, Corps of Engineers, S by same {published as House Document #935, 63 <sup>rd</sup> Congress, 2 <sup>nd</sup> Session} ( <b>Levees not uniform in construction.</b> )	
Levees (Setback)1[1]  Bypass	8/26/22	PROPOSED FLOOD CONTROL SKAGIT RIVER, by Robert Herzog, Great Northern Railway Company (First proposal for "High Water Relief Channel")	
Flood Warning System  Delay Diking  Nookachamps	3/13/23 1923	STAGE AND VOLUME OF PAST FLOODS IN SKAGIT VALLEY AND ADVISABLE PROTECTIVE MEASURES PRIOR TO THE CONSTRUCTION OF PERMANENT FLOOD CONTROLLING WORKS, by James E. Stewart, Hydraulic Engineer, U.S.G.S., Tacoma, Washington	
Levees for Burlington & Mt. Vernon  Form Countywide Flood Conservancy District		DRAFT SKAGIT RIVER FLOOD REPORT by James E. Stewart, Hydraulic Engineer, U.S.G.S., Tacoma, Washington, undated, contains additional chapter not found in final report	
Prohibit Diking Nookachamps Setback Levees	1/31/25 PE 12/12/25 HD	SKAGIT RIVER, WASH., PE by Col. W.J. Barden, Corps of Engineers {published as House Document #125, 69 <sup>th</sup> Congress, 1 <sup>st</sup> Session}	
Bypass			
Dams			



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Dams Setback Levees	2/8/28 PE 5/19/28 HD	SKAGIT RIVER, WASH., PE by Major Jno. S. Butler, Corps of Engineers {published as House Document #311, 70 <sup>th</sup> Congress, 1 <sup>st</sup> Session}
Dual Diking System		"Work done soley for the benefit of navigation would have little or no effect on flood prevention." Page 14 ¶46
Bypass		
Dredging		
Dams	5/18/28	MEMORANDUM on COMPREHENSIVE SURVEY— CONFERENCE WITH MR. PARKER re potential dam sites in the Skagit Basin and river gages throughout the Northwest, author unknown
Levees	3/17/32	SKAGIT RIVER FLOOD CONTROL RIVER ENLARGEMENT AND DIKES, by Charles B. Smith
Setback Levees		ENLANGEMENT AND DIKES, by Charles B. Shillin
Dams	5/18/32	SKAGIT RIVER, WASH., A GENERAL PLAN FOR THE PURPOSES OF NAVIGATION AND EFFICIENT
Levees		DEVELOPMENT OF ITS WATER POWER, THE CONTROL OF FLOODS, AND THE NEEDS OF
Setback Levees		IRRIGATION, by Lt. Col. C.L. Sturtevant, Corps of Engineers {published as House Document #187, 73 <sup>rd</sup>
Bypass		Congress, 2 <sup>nd</sup> Session} "If a diversion could be effected upstream from Burlington at a reasonable cost, the
Flood Warning System		danger and loss occasioned by floods in the delta area could be eliminated or reduced." Page 105 ¶294
Dams	3/29/37 PE	SKAGIT RIVER AND TRIBUTARIES, WASHINGTON, PE by Lt. Col. H.J. Wild, Corps of Engineers
Bypass		"After careful study of the proposed Avon By-Pass the
Levees		Department (Washington Dept. of Health) states that, "This department feels it would not be detrimental to the
Setback Levees		public health to allow the construction of the Avon By- Pass." Page 50 ¶114
Dams	7/30/40 S	SKAGIT RIVER AND TRIBUTARIES, WASHINGTON, S by Col. B.C. Dunn, Corps of Engineers
Bypass		Re Setback Levees: "It is estimated that a channel from
Levees		Sedro-Woolley to Skagit Bay via the North fork of Skagit River, adequate to carry safely a discharge of 220,000 cfs
Setback Levees		would require the excavation of approximately 56,000,000 cubic yards of material and the acquisition of about 3,000 acres of agricultural land for right-of-way." Page 47 ¶103



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Dams Bypass	2/21/52 S	SKAGIT RIVER AND TRIBUTARIES, WASHINGTON, S by Col. John Buehler, Corps of Engineers {not published, transmitted to Congress 11/28/56}
Levees		"Local interest have stated that the bed of the Skagit River is rising to the extent that flood stages are higher now than in the past." Corp sounded river in 1930. Again
Dredging the Mouth		in 1950. "Average river-bottom profiles were drawn and it was found that no significant over-all change had taken
Dredging		place in the river channels in the past 20 years a condition of stability or equilibrium has been reached it is believed that any lowering of the river bottom by dredging would merely be temporary." Page 40 ¶25
Dredging	1/18/63 PR	SKAGIT RIVER, WASHINGTON (NAVIGATION), Preliminary Report (PR) on dredging barge channel to Concrete, by Col. Ernst Perry, Corps of Engineers
		6 feet deep, 100 feet wide Annual dredging of 380,000 cu yds
Bypass	11/63 RR	AVON BYPASS, SKAGIT RIVER, WASHINGTON,
Dredging	9/25/64 SUP	REACTIVATION REPORT (RR), with SUPPLEMENT (SUP) TO NPS REACTIVATION REPORT OF NOVEMBER 1963, Corps of Engineers
Dredging Mouth of River		Dredging: "Deepening the Skagit River to carry flood flows is not feasible. Substantial deepening of the river to
Setback Levees		carry flood flows would undermine existing levees along the river bank." Page 6 ¶16
		Dredging the mouth: "would lower flood stages slightly for a short distance upstream from the mouth of the river, but would not provide flood protection for the upper delta in the vicinity of Mt. Vernon and Burlington." Page 6 ¶18
Levees Setback Levees	3/1/65	SKAGIT RIVER BASIN, WASHINGTON, FLOOD CONTROL AND OTHER IMPROVEMENTS by Colonel C.C. Holbrook, Corps of Engineers
Bypass		Setback Levees: "To achieve the same results as the Bypass and levee and channel improvements would produce, the channel would have to be widened from 300
Dams		to 600 feet from the downstream limits of Sedro-Woolley to the mouth of the river, a distance of over 20 miles."
Dredging		Page 39 ¶51
Dredging the Mouth		



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Levees (Raising) Setback Levees	3/1/66	SUPPLEMENT TO REVIEW REPORT ON FLOOD CONTROL AND OTHER IMPROVEMENTS ON SKAGIT RIVER, WASHINGTON, Corps of Engineer		
Bypass		"Major raising of the levee system was found uneconomical. Cost would exceed \$28,000,000." Page 6		
Dredging		¶9b. More than cost of Bypass (\$23,000,000)		
Dredging the Mouth				
Levees (Raising)	8/30/66	AVON BYPASS, SKAGIT RIVER, WASHINGTON, DESIGN MEMORANDUM NO. 1, SITE SELECTION,		
Setback Levees		Corps of Engineers		
Bypass				
Dams				
Dredging				
Dredging the Mouth				
Dams (Additional Upper Baker Storage)	3/1/65 IRR	SKAGIT RIVER, WASH., Interim Review Report (IRR)by		
Daker Storage)	8/30/66 HD	Colonel C.C. Holbrook, Corps of Engineers {published as House Document #483, 89 <sup>th</sup> Congress, 2 <sup>nd</sup> Session}		
Floodplain Management		Trouble Boundary Hope, or Congress, 2 Bossen,		
Dams	6/1/71	COMPREHENSIVE STUDY OF WATER AND RELATED		
Bypass		LAND RESOURCES, PUGET SOUND AND ADJACENT WATERS, STATE OF WASHINGTON, Summary Report		
Levees		and 15 Appendices bound separately, by Puget Sound Task		
Floodplain Management		Force of the Pacific Northwest River Basins Commission		
Levees (Raising)  Setback Levees	4/30/79	DRAFT ENVIRONMENTAL IMPACT STATEMENT, SKAGIT RIVER LEVEE IMPROVEMENT PROJECT, Corps of Engineers		
Dams		Re Floodplain Management: "was determined to be not economically feasible or politically or socially acceptable."		
Bypass		Page 114 ¶6:04.1  Re Dredging: "Investigation of dredging was conducted to		
Floodplain Management		sufficient level of detail to determine that the desired levels of flood protection could not be provided by dredging alone and that a combination of dredging and levee		
Dredging		construction to provide desired levels is significantly more costly than levee construction alone." Page 115 ¶6:04.2		



PROJECTS	DATE	TITLE
Levees (Raising)  Levees (Overtopping)	5/1/93	DRAT RECONNAISSANCE REPORT, SKAGIT RIVER, WASHINGTON, FLOOD DAMAGE REDUCTION STUDY, Draft #2, Corps of Engineers {Final Draft}
Bypass		