



ENGINEER'S OFFICE

SKAGIT COUNTY

STATE OF WASHINGTON  
MOUNT VERNON

July 24, 1961

U. S. Army Engineers  
Mr. R. P. Young, Colonel  
Corps of Engineers  
1519 South Alaskan Way  
Seattle 4, Washington

Attn - Mr. Raymond Skrinde  
Planning Section of Engr'g. Division

Dear Mr. Skrinde:

Enclosed is a list of the various gages and their monuments located along the Skagit River, which were installed by Skagit County and the U.S.G.S., cooperatively. You will note that each of the various gages have two monuments with given elevations.

We hope these monuments with their given elevations will be of assistance to you.

Yours very truly,

FRANK GILKEY  
County Road Engineer

By

*Lloyd H. Johnson*  
Lloyd H. Johnson  
Associate Engineer

FG  
LHJ/v

Enclosure: (2)



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Water Resources Division - Surface Water Branch  
207 Federal Building  
Tacoma 2, Washington

Refer'd To	5/18/60	Noted
✓	GILKEY	✓
✓	GENTNER	
✓	JANSON	✓
	INDUSTROM	
	SANS	
	ODER	
	CUMM'R	
	DIST. #1	
	DIST. #2	
	DIST. #3	
	FILE	

May 18, 1960

Mr. Frank Gilkey, County Road Engineer  
Engineer's Office  
Skagit County  
Mount Vernon, Washington

Dear Mr. Gilkey:

We are mailing to you today under another cover the May-June gage books for 13 staff gages, and a book in which there are pages for entering readings for 11 crest stage gages. I understand that an employee of your office will read the latter. The stations involved are as follows:

Station	Staff gage	Crest stage gage
Skagit River at M.P. 18.1 above G. N. Ry. Bridge nr. Burlington		X
" " 17.9 below G. N. Ry. Bridge nr. Burlington		X
" " 15.4 at Avon Cannery nr. Mt. Vernon	X	
" " 13.0 at Carnation Plant at Mt. Vernon	X	
" " 12.9 at Moose Hall at Mt. Vernon	X	
" " 10.6 at Calhoun Road nr. Mt. Vernon	X	X
N. Fk. Skagit at M.P. N 9.4 at Kamb Road nr. Mt. Vernon	X	
" " " N 7.9 at Beavermarsh Road nr. LaConner		X*
" " " N 6.9 at Rexville nr. LaConner	X	X
" " " N 5.2 at Summers' Boat House nr LaConner	X	
S. Fk. Skagit at M.P. 9.1 below Hickox Road nr. Mt. Vernon	X	
" " " 7.2 at Polson Road nr. Conway		X
" " " 6.1 at South Fork Bridge at Conway	X	X
Freshwater Slough at Phil Holm Place nr. Conway	X	X
" " below Rindall Place nr. Conway	X	X
Tom Moore Slough at Fisher Slough nr. Conway	X	X
" " " at Milltown nr. Conway	X	X

\* To be installed.

The crest stage gage at Beavermarsh Road is yet to be installed.

The mile points are as yet a little uncertain and will be corrected later. We changed the name of the upper gage on Freshwater Slough to "at Phil Halm Place". If that is incorrect please let me know.

I believe there are sufficient instructions in front of each book. Please return them after June 30. New books for the October-December quarter will reach you in September. If you have any other questions, please let me know.

Very truly yours,

*F. M. Veatch*

F. M. Veatch  
District Engineer

FMV:mv

## SKAGIT RIVER STUDY

The Sixteen sites where flood stage records are proposed to be obtained with the equipment to be used, are as follows:

1. Main river above the forks. Right bank at east end of Calhoun Road. A 12-foot staff gage and a crest-stage gage placed on the downstream side of a 24-inch cottonwood tree 60 feet streamward from the dike. Monument concrete post - elevation 18.250 - 2" pipe (boat spike inside) - elevation 16.113.

2. North Fork, on right bank, at south end of Kamb Road. Four 3½-foot sections of vertical staff gage attached to 3" x 3" x 8' driven steel angle posts. Monument concrete post - elevation 20.491 - 2" pipe (boat spike inside) - elevation 15.059.

3. North Fork, on right bank, at old bridge site east of Rexville. Crest-stage gage on piling near shore. Staff gage to be fastened on tree. Monument concrete post - elevation 11.831 - 2" pipe (boat spike inside) - 9.463.

4. North Fork, at Phil Sumner's resort on left bank. Twelve feet of staff gage attached to piling and a crest-stage gage. Monument concrete post - 10.640 - 2" pipe (boat spike inside) - 8.118.

5. North Fork, at lower end of Fish Town, on right bank. Reactivate recording gage used last year by the Corps of Engineers. Well and shelter are in good condition but an instrument and some additional approach walk are needed. Staff gage in place.

6. South Fork, on left bank, opposite "Skagit City". Install 12 feet of staff gage on guy pole 50 feet downstream from mailbox of (one-quarter of a mile below Hickox Road). Monument concrete post - elevation 17.650 - 2" pipe (boat spike inside) - elevation 13.587.

7. South Fork at Conway, on right bank. Staff gage 15 feet long and also a crest-stage gage of same length to be attached to piling of the bridge. Monument concrete post - elevation 14.706 - 2" pipe (boat spike inside) - elevation 11.299.

8. Fishers Slough 1.2 miles south of Conway. Attach 12 feet of staff to a stub pile 15 feet upstream from highway bridge, and 13 feet of crest-stage gage on upstream side of railroad bridge, both near right bank. Monument concrete post - elevation 7.181 - 2" pipe (boat spike inside) - elevation 11.127.

9. Tom Moore Slough at Milltown, on left bank. 10 feet of staff gage, and a crest-stage gage, on piling in shore 150 feet upstream from railroad crossing. Monument concrete post - elevation 9.903 - 2" pipe (boat spike inside) - elevation 7.026.

10. Freshwater Slough, right bank, opposite Phil Holm residence. 10 feet of crest-stage gage fastened to alder trees 70 feet streamward from dike. 8-foot staff gage on 20" alder tree 30 feet streamward from dike. Monument concrete post - elevation 12.098 - 2" pipe (boat spike inside) - elevation 9.086.

11. Freshwater Slough approximately 800 feet downstream from Rindall residence. 10 feet of staff and crest-stage gage fastened to 6-inch willow 15 feet upstream from hunter's cabin. Monument concrete post - elevation 11.192 - 2" pipe (boat spike inside) - elevation 5.702.

12. Recondition staff gage at Carnation Plant, Mt. Vernon (to be set later).

13. Crest-stage gage above the Great Northern bridge south of Burlington. Monument concrete post - elevation 33.173 - 2" pipe (boat spike inside) - elevation 31.296.

14. Crest-stage gage below the Great Northern bridge south of Burlington. Monument concrete post - elevation 29.787 - 2" pipe (boat spike inside) - elevation 28,133.

15. Recondition Avon staff gage 460 ft. downstream from Anacortes water line and pump house, 80 ft. streamward of dike. Monument concrete post - elevation 28.083 - 2" pipe (boat spike inside) - elevation 26.260.

16. Crest-stage gage at site of future bridge on the South Fork, about 0.15 mile north of Johnson Road on right bank. Monument concrete post - elevation 16.747 - 2" pipe (boat spike inside) elevation 17.473.