

MEMORANDUM  
Department of Ecology  
P. O. Box 829  
OLYMPIA, WASHINGTON  
98504

Publication No. 72-e00

Other

TO: Gene Asselstine

DATE: January 4, 1972

FROM: James L. Baumer

SUBJECT: Monitor on Puyallup River

On November 29, 1971 the Hydrolab Surveyor was placed in service on the Puyallup River near the Port of Tacoma between I-5 and Lincoln Street. The parameters being measured were DO, temperature, pH and conductivity.

The Hydrolab was removed from service on December 2, 1971, the results of this survey are as follows:

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PUYALLUP RIVER - PORT OF TACOMA  
Between Lincoln Street and I-5

<u>DATE</u>	<u>TIME</u>	<u>TEMP</u>	<u>DO</u>	<u>COND</u>	<u>pH</u>
11/29	1100	11.3	11.2	120	6.5
	1200	11.3	11.2	120	6.5
	1300	13.0	8.4	*	7.0
	1400	11.7	10.2	*	7.0
	1500	11.3	11.1	110	6.7
	1600	11.3	11.0	110	6.6
	1700	11.3	12.4	120	6.6
	1800	11.3	12.0	120	6.6
	1900	11.3	12.0	120	6.6
	2000	11.3	12.3	120	6.5
	2100	11.3	12.5	120	6.5
	2200	11.3	12.5	110	6.4
	2300	11.3	12.5	110	6.4
	2400	11.3	12.5	100	6.4
11/30	0100	11.3	12.1	100	6.4
	0200	11.3	12.1	100	6.4
	0300	11.3	12.1	100	6.4
	0400	10.8	12.1	100	6.4
	0500	10.8	12.1	100	6.4
	0600	10.8	11.1	100	6.4
	0700	10.8	11.0	100	6.4
	0800	10.8	11.0	100	6.4
	0900	10.8	10.8	110	6.4
	1000	10.8	11.0	110	6.4
	1100	11.3	11.0	120	6.4
	1200	11.3	11.0	120	6.4
	1300	11.3	11.0	100	6.5
	1400	11.3	11.6	100	6.5
	1500	11.3	11.8	100	6.5
	1600	11.3	12.4	100	6.5
	1700	11.3	12.5	100	6.4
	1800	11.3	12.5	100	6.4
	1900	11.3	12.3	100	6.4
	2000	11.3	12.5	100	6.4
	2100	11.3	12.5	100	6.3
	2200	11.3	12.5	100	6.4
	2300	10.8	12.3	100	6.2
	2400	10.8	12.3	100	6.3
12/1	0100	10.8	12.3	100	6.4
	0200	10.8	11.6	100	6.3
	0300	10.8	10.5	100	6.3
	0400	10.8	11.6	100	6.3

<u>DATE</u>	<u>TIME</u>	<u>TEMP</u>	<u>DO</u>	<u>COND</u>	<u>pH</u>	
12/1	0500	10.8	11.6	*	6.7	
	0600	12.6	8.4	*	6.7	
	0700	5.8	10.4	*	6.7	
	0800	5.8	11.2	110	1.6	
	0900	9.4	11.2	105	1.5	
	1000	7.6	11.2	110	1.7	
	1100	9.9	11.0	140	6.2	
	1200	10.3	11.0	110	6.2	
	1300	10.3	11.3	105	6.3	
	1400	10.8	8.5	*	6.5	
	1500	13.5	6.3	*	6.8	
	1600	10.8	13.3	100	6.5	
	1700	10.3	13.1	105	6.4	
	1800	10.6	13.1	105	6.3	
	1900	10.6	12.7	110	6.3	
	2000	10.6	12.5	110	6.3	
	2100	10.8	12.5	110	6.3	
	2200	10.8	12.5	100	6.3	
	2300	10.8	12.8	100	6.2	
	2400	10.6	13.0	100	6.2	
	12/2	0100	10.3	12.6	100	6.2
		0200	10.3	11.6	100	6.2
		0300	10.3	10.8	100	6.2
		0400	10.3	10.4	100	6.2
0500		13.5	8.0	*	6.8	
0600		13.5	7.0	*	6.8	
0700		13.9	5.8	*	6.8	
0800		13.9	6.0	*	6.8	
0900		11.7	10.2	*	6.8	


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Department of Ecology  
P. O. Box ~~133~~ 612  
OLYMPIA, WASHINGTON  
98504

Information  
For Action  
Permit  
Other

Check


TO:.....RON PINE.....

DATE: November 8, 1971.....

FROM:..... GENE ASSELSTINE.....

SUBJECT: City of Tacoma - Puyallup River.....

Please refer to my memo to John R. Raymond dated October 1, requesting monitoring of water quality in the lower reaches of the Puyallup River. I discussed this with Jim Baumer and the delay has been the malfunction and repair of the scanner on the hydrolab. At such time as the hydrolab is back in service, I would like to request a minimum of five-day monitoring in the Puyallup on a crash basis for information to discuss with the City of Tacoma the need for providing secondary treatment and/or outfall to Commencement Bay. We have delayed the conference with the City now some two weeks, and until we have the information we are unable to proceed.

cc: Jim Baumer  
Mike Price

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GA:mh