


MEMORANDUM
Water Pollution Control Commission
P. O. Box 829
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98501

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WA-17-0030

TO: Merley

DATE: August 10, 1970

FROM: Ron Lee 

SUBJECT: Background Water Quality
in Port Townsend Bay

On July 15, 1970, a preliminary water quality survey was conducted in the proposed area designated for Crown Zellerbach's deep water diffuser now under construction in Port Townsend Bay. The data will be tabulated in this report and used as background information (Tables 1 and 2). After the diffuser is put into operation, another study will be undertaken to evaluate the effect of combined mill effluent on water quality. Station locations are shown in the attached schematic.

RL:ahh

Table 1. Data collected at low tide in Port Townsend Bay on July 15, 1970.

Station	D.O.	Temp.	Color	Turbidity	pH	PBI	Salinity ‰	Total Coliform
A	9.7	15.5	20	4.8	8.6	17	25.6	410
B	10.4	16.0	20	5.2	8.5	27	26.6	14
C	10.7	16.0	20	4.1	8.7	5	26.9	0
D	9.8	16.1	10	5.0	8.5	12	27.4	0
E	10.3	14.0	20	3.0	8.4	7	27.2	1
F	10.5	15.8	20	3.6	8.6	7	26.9	0
G	10.9	16.1	20	9.8	8.7	27	26.2	6
H	9.0	16.0	10	4.0	8.7	46	24.5	5

Table 2. Data collected at high tide in Port Townsend Bay on July 15, 1970.

Station	D.O.	Temp.	Color	Turbidity	pH	PBI	Salinity ‰
A	10.4	14.9	10	5.6	8.5	5	26.5
B	10.7	15.1	20	6.7	8.5	10	27.8
C	11.0	15.0	10	6.4	8.6	7	27.0
D	10.3	14.7	10	5.6	8.6	5	27.5
E	11.1	15.1	10	6.9	8.6	0	26.9
F	10.8	14.9	10	7.1	8.5	5	27.5
G	10.3	14.9	20	7.8	8.5	10	26.2
H	8.2	14.5	20	11.0	8.6	24	24.5

CLARIFIER

ELEVATION FROM MEAN
LOW WATER DATUM LINE
OF ELEVATION +000.0'

