TO:	Tom McCann, Ron Pine, Ron Devitt & Files	State of Washington
FROM:	Darrel Anderson	Department of Ecology
SUBJECT:	Fisherman's Packers Corporation Efficiency Study	
DATE:	October 10, 1973	

On August 22, 1973, I conducted an efficiency survey of Fisherman's Packers Corporation at Anacortes, Washington. The survey period was from 0800 to 1330 hours. Samples were taken every 1/2 hour.

Cannery personnel amounted to 35 workers, total cases canned was 15,000.

Effluent water passes through Auger screen. Screen then picks up only large material. Small solids are allowed to pass. White foam on surface of water from effluent. Large solids are taken to rendering plant.

DA:jmh

City_Anacortes,	WA PI	lant Typ	pe Pack	· Po	pulation rved	n		
Receiving WaterGu	iemes Cha	annel-	Pudet				Cap	
							-	· · · · ·
DateAugust 16, 19	<u>113</u> Sur	rvey Per	riod_08	00-1330 1	nrs. Su	rvey Per	rsonnel_D	.L. Anderson
Comp. Sampling Free	quency 1/	/2 hr.		Weather C	ondition	ns Cle	ar-warm	
				(last 48)				
Sampling Alequot	1000 ml.							
				ANT OPERATI				
Total Flow 24,08	l gallor	15		How	Measure	d	City me	ter
Max. (Flow)	Time	of Max.			Min		Time	of Min
								or anti-
Pre C12	0/da	У	Post	: Cl ₂		∉/day		
			FI	ELD RESULT	s			
		Inf	luent				Effluent	
	Max	Min.	Mean	Meditan	Max.	Min.	Mann	Maddan
Determinations	Citize State		1.45-1448	CD_001.011	1.14126 *	run +	Mean	Median
	nav				-			
Cemp. °C	nan		/		15.8	the second se	15.4	15.6
Cemp. °C Oll Conductivity	nax	>	\langle		15.8	6.2	6.4	6.4
Cemp. °C Oll Conductivity (umhos/cm)		\geq	<		15.8 7.0 13500	6.2 10000	6.4 1275	the second se
Cemp. °C Oll Conductivity (umhos/cm)		\geq	<		15.8	6.2	6.4	6.4
Temp. °C M Conductivity (umhos/cm) Gettleable			\langle		15.8 7.0 13500	6.2 10000	6.4 1275	6.4 1200
Temp. °C M Conductivity (umhos/cm) Gettleable			<		15.8 7.0 13500	6.2 10000	6.4 1275	6.4 1200
Temp. °C M Conductivity (umhos/cm) Gettleable		LABORAT	ORY RES	ULTS ON CO	15.8 7.0 13500 20	6.2 10000 8	6.4 1275 15.3	6.4 1200
Temp. °C oll Conductivity (umhos/cm) Settleable Solids		11	ORY RES	ULTS ON CO	15.8 7.0 13500 20 MPOSITE	6.2 10000 8 IN PPM	6.4 1275 15.3	6.4 1200 10
Temp. °C M Conductivity (umhos/cm) Settleable Solids		11	ORY RES	ULTS ON CO Effluen	15.8 7.0 13500 20 MPOSITE	6.2 10000 8 IN PPM	6.4 1275 15.3	6.4 1200 10
Temp. °C Oll Conductivity (umhos/cm) Settleable Solids Laboratory Number		11	ORY RES	ULTS ON CO Effluen 73-3106	15.8 7.0 13500 20 MPOSITE	6.2 10000 8 IN PPM	6.4 1275 15.3 Reductio	6.4 1200 10
Temp. °C M Conductivity (umhos/cm) Settleable Solids Laboratory Number -Day BOD OD		11	ORY RES	ULTS ON CO Effluen	15.8 7.0 13500 20 MPOSITE	6.2 10000 8 IN PPM	6.4 1275 15.3	6.4 1200 10
emp. °C II Conductivity (umhos/cm) ettleable Solids Laboratory Number -Day BOD OD .S.		11	ORY RES	ULTS ON CO Effluen 73-3106 1200 2510 10150	15.8 7.0 13500 20 MPOSITE	6.2 10000 8 IN PPM	6.4 1275 15.3 Reductio	6.4 1200 10
emp. °C ell conductivity (umhos/cm) ettleable Solids Laboratory Number -Day BOD OD .S. .N.V.S.		11	ORY RES	ULTS ON CO Effluen 73-3106 1200 2510 10150 7537	15.8 7.0 13500 20 MPOSITE	6.2 10000 8 IN PPM	6.4 1275 15.3 Reductio	6.4 1200 10
emp. °C H Conductivity (umhos/cm) ettleable Solids Laboratory Number -Day BOD OD .S. .N.V.S. .S.S.		11	ORY RES	ULTS ON CO Effluen 73-3106 1200 2510 10150 7537 886	15.8 7.0 13500 20 MPOSITE	6.2 10000 8 IN PPM	6.4 1275 15.3 Reductio	6.4 1200 10
<pre>'emp. °C 'emp. °C 'emp. 'C 'enductivity (umhos/cm) 'ettleable Solids Laboratory Number -Day BOD OD .SN.V.SS.SV.S.S. H</pre>		11	ORY RES	ULTS ON CO Effluen 73-3106 1200 2510 10150 7537 886 14	15.8 7.0 13500 20 MPOSITE	6.2 10000 8 IN PPM	6.4 1275 15.3 Reductio	6.4 1200 10
<pre>'emp. °C 'II Conductivity (umhos/cm) ettleable Solids Laboratory Number -Day BOD OD .SN.V.SS.SV.S.S.</pre>		11	ORY RES	ULTS ON CO Effluen 73-3106 1200 2510 10150 7537 886 14	15.8 7.0 13500 20 MPOSITE t	6.2 10000 8 IN PPM	6.4 1275 15.3 Reductio	6.4 1200 10

	D L OPPING	MOSTON BROWNS		÷. *		
	BACTERIO	DLOGICAL RESULTS				
Na25203 added to_	sample	fter	mi	n.		
LAB #	SAMPLING TIME	COLONIES/100 M	S (ME)	C1 Residual		
			so (m)	ppm	the second se	
73-3106	1100	2,000				
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					-	
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tor's Name		-	Phone	0		
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DE .	WATER QUALITY LABO		D. Art efser. Copies to:	
	DATA SUMMARY		LAB FILES	
Source FISherman's P		Collected By	A	
Date Collected		Goal, Pro./Obj		
Log Number: 73-	3/06		STORET	
Station:	EFF			
pH	6.4		00403	
Tarbidity (JTU)	275,		00070	
Conductivity (umhos/cm)@250	17,000		00095	
COD	2,510		00340	
BOD (5 day)	1,200		00310	
Total Coliform (Col./100ml)	1.1.5 × 105		31504	
Pecal Coliform (Col./100ml)	(2,000		31616	
NO3-N (Filtered)	.17		00620	
NO2-N (Filtered)	, 01		00615	
NH3-N (Unfiltered)	3.2		00610	
T. Kjeldahl-N (Unfiltered)	18.8		00625	
0-P04-P (Filtered)			00671	
Total PhosP (Unfiltered)	420.		00665	
Total Solids	10,150		00500	
Total Non Vol, Solids	7, 537			
Total Suspended Solids	886		00530	
Total Sus. Non Vol. Solids	19			
Color	1220			
1				
1				

Convert those marked with a * to PPB (PPM X 103) prior to entry into STORET

Summary By Atyle & Add Date 9-10-23