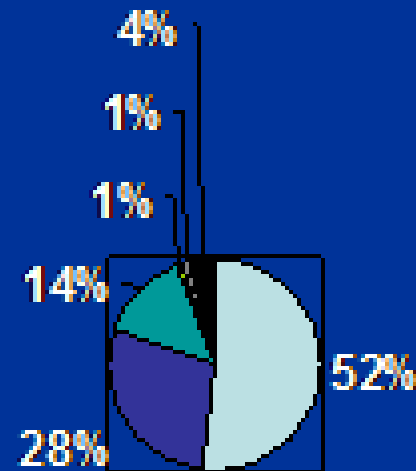
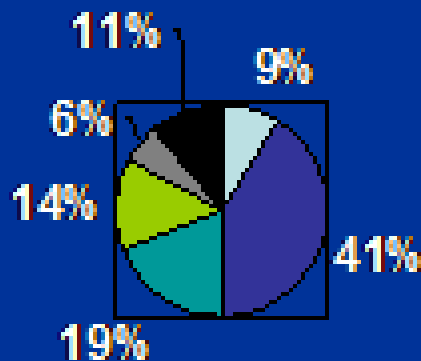


Major Causes of Fish Kills

Causes 1958-1996

Causes 1996 - 2006

- Toxic Algae
- Low D.O. Human
- Low D.O. Natural
- Temp.
- Toxic Spills
- Unknown



- Toxic Algae
- Low D.O. Human
- Low D.O. Natural
- Temp.
- Toxic Spills
- Unknown



Kyle WWTP

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1

Fishes Killed in Plum Creek

- Bluegill (22) (Size Range, 4-6 inches)
- Green Sunfish (16) (5-6 inches)
- Channel Catfish (26) (5-10 inches)
- Smallmouth Buffalo (18) (10-24 inches)
- Logperch (3) (5 inches)
- Largemouth Bass (3) (12-14 inches)

Site Location	Date	Temp. (C)	pH (su)	D.O. (mg/L)	Spec. Cond. (us/cm)	Chlorine (mg/L)	NH3N (mg/L)
Plum Ck. Rd	2/15	16.7	7.9	8.0	1027		
SH 21	2/19	14.6	8.4	12.4	934		
Plum Ck. Rd	2/19	13.0	8.0	10.9	976	<0.01	<0.01
Gristmill Rd	2/19	12.8	8.0	10.0	998	<0.01	<0.01
Heidenreich Rd	2/19	13.0	8.1	10.1	1010	<0.01	<0.01
Plum Ck. Rd	2/20	14.4	8.0	9.7	1002		

Date	Flow (MGD)	Chlorine Residual		Chlorine (mg/L)	BOD5 (mg/L)	TSS (mg/L)	NH3N (mg/L)
		Old Plt (mg/L)	New Plt (mg/L)				
2/14	1.19	1.3	1.3	0.01	2	3	0.52
2/15	1.89	1.61	1.74	0.00	3	2	0.53
2/16	2.05	1.44	1.61	0.00			
2/17	2.35	1.32	1.28	0.00			
2/18	1.73	1.42	1.49	0.00			
2/19	1.53	1.18	1.31	0.00	2	<1	0.10
2/20	1.69	1.30	1.44	0.00	2	<1	0.10