

Admin #244

3/19/08

Entire Pool - yellow perch

1972 - 2005

(7 years)

Pair of Variables	Kendall Tau Correlations (Spreadsheet in perch abundance new.xls) MD pairwise deleted Marked correlations are significant at $p < .05000$				
	Valid N	Kendall Tau	Z	p-level	p-exact 1-tailed
Year & Year					$p < .001$
Year & CPUE	7	-0.619048	-1.95244	0.050886	.035
CPUE & Year	7	-0.619048	-1.95244	0.050886	.035
CPUE & CPUE					$p < .001$

presented in Table 5-10

Statistical analysis conducted by EPA used in Determination Document.

Thermally-influenced only

- yellow perch

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1972-2005

Pair of Variables	Kendall Tau Correlations (Spreadsheet in perch abundance new.xls) MD pairwise deleted Marked correlations are significant at $p < .05000$				
	Valid N	Kendall Tau	Z	p-level	p-exact 1-tailed
Year & Year					$p < .001$
Year & CPUE	7	-0.780720	-2.46235	0.013803	.015
CPUE & Year	7	-0.780720	-2.46235	0.013803	.015
CPUE & CPUE					$p < .001$

presented in Table 5-10

Ambient Zone Only - yellow perch

1972 - 2005  
(~ years)

Pair of Variables	Kendall Tau Correlations (Spreadsheet in perch abundance new.xls) MD pairwise deleted Marked correlations are significant at $p < .05000$				
	Valid N	Kendall Tau	Z	p-level	p-exact 1-tailed
Year & Year					$p < .001$
Year & CPUE	7	-0.523810	-1.65207	0.098521	.068
CPUE & Year	7	-0.523810	-1.65207	0.098521	.068
CPUE & CPUE					$p < .001$

presented in Table 5-10

3/19/08

Entire pool

Yellow perch

1967-2005

Kendall Tau Correlations (Spreadsheet in perch abundance new.xls) MD pairwise deleted Marked correlations are significant at $p < .05000$					
Pair of Variables	Valid N	Kendall Tau	Z	p-level	p-exact 1-tailed
Year & Year					$p < .001$
Year & CPUE	10	-0.644444	-2.59384	0.009491	.005
CPUE & Year	10	-0.644444	-2.59384	0.009491	.005
CPUE & CPUE					$p < .001$

presented in Table 5-12

Ambient only - yellow perch

3/19/08

- n=10  
1967 - 2005

Pair of Variables	Kendall Tau Correlations (Spreadsheet in perch abundance new.xls) MD pairwise deleted Marked correlations are significant at $p < .05000$				
	Valid N	Kendall Tau	Z	p-level	p-exact 1-tailed
Year & Year					$p < .001$
Year & CPUE	10	-0.600000	-2.41495	0.015737	.008
CPUE & Year	10	-0.600000	-2.41495	0.015737	.008
CPUE & CPUE					$p < .001$

presented in Table 5-12

Thermal only - yellow perch

1967-2005

Pair of Variables	Kendall Tau Correlations (Spreadsheet in perch abundance new.xls) MD pairwise deleted Marked correlations are significant at $p < .05000$				
	Valid N	Kendall Tau	Z	p-level	p-exact 1-tailed
Year & Year					$p < .001$
Year & CPUE	10	-0.629253	-2.53270	0.011319	.008
CPUE & Year	10	-0.629253	-2.53270	0.011319	.008
CPUE & CPUE					$p < .001$

presented in Table 5-12

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From data in Normandian 1970, 2007d

Year	CPUe	Zone
1967	23.6	Ambient
1968	4.53	Ambient
1969	15.73	Ambient
1972	13.38	Ambient
1973	7	Ambient
1974	3.38	Ambient
1976	1.63	Ambient
1995	0.25	Ambient
2004	1.38	Ambient
2005	5.25	Ambient
1967	17.28	Thermal
1968	4.72	Thermal
1969	3.12	Thermal
1972	5.5	Thermal
1973	5	Thermal
1974	4.92	Thermal
1976	0.94	Thermal
1995	0.25	Thermal
2004	0.25	Thermal
2005	0.88	Thermal
1967	19.65	Entire
1968	4.65	Entire
1969	7.85	Entire
1972	8.72	Entire
1973	5.89	Entire
1974	4.22	Entire
1976	1.17	Entire
1995	0.22	Entire
2004	0.52	Entire
2005	2.08	Entire