Scully Creek - Arithmetic & Geometric Mean Permeabilities (K_{10})

1958

note: correction (t -0.25) seconds.

Field Sheet	K_{10}	K_{10}	$\Sigma (K_{10})^2$	$\log_{10} K_{10}$	$\log_{10} K_{10}$	$\Sigma (\log_{10} K_{10})^2$
724	2250	2130		3.3522	3.3284	
	2840	2180		3.4533	3.3385	
	980	2620	$\Sigma (K_{10})^2$	2.9912	3.4183	
	4700	ΣK_{10}		3.6721		
	1960	Σ 250425	Σ 5,037,782,875	3.2923	Σ 128.7121	467.5485839
	27400			4.4378		
	1960	$\overline{K_{10}}$	S	3.2923	$\overline{\log_{10} K_{10}} = 3.5753$	$\log_{10} S = 0.4524$
	2450			3.3892	antilog	S =
	7450	6956.25	9571.02	3.8722	3760	2.8
	17600			4.2455		
	9700			3.9868		
	2940			3.4683		
	19600			4.2923		
	2940		1,001,423,900	3.4683		
725	6760			3.8299		
	725			2.8603		
	5200			3.7160		
	39200			4.5933		
	2660			3.3139		
	785			2.8949		
	2840			3.4533		
	5500			3.7404		
	8240			3.9159		
	9450			3.8096		
	2880			3.4594		
	740		3,432,844,650	2.8692		
726	2430			3.3856		
	2810			3.4487		
#readings: 36	775			2.8893		
	2040			3.3096		
	38800			4.5888		
	7670			3.8848		
	2820			3.4502		
		$\overline{K_{10}} = 6956.3$	S = 9571		antilog = 3760	S = 2.8

Density of Spawners & Fry Production 1949 – 1954

Scully Creek

Area: 16000 yd² less than ¼ used

Year	♂+♀	♀	Jack		Density	Eggs		Fry		Fry/yd²	
1949	1050	485	28								
1950	316	121	146		.066	1706,376		242000		15.3	
1951	1193	384	21		.020	377,775		35000		2.9	
1952	1063	507	40		.075	1,221,696		165,000		10.3	
1953	621	251	6		.066	2,053,350		250,000		15.7	
1954	657	394	7		.039	958,067		97,000		6.1	
1955					.041	1693806		233,000		14.5	
1956	280										

Had not had large enough escapement to become density-dependent.

Fry/Yd² - Scully Creek