

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

1958

note: correction ($t = 0.25$) seconds.

Field Sheet	K_{10}	$K_{10} \approx (K_{10})^2$	$\log_{10} K_{10}$	$\log_{10} K_{10} \approx (\log_{10} K_{10})^2$	
724	2250	2130	3.3522	3.3204	
	2840	2180	3.4533	3.3385	
	980	2620	2.9912	3.4183	
	4700	$\approx K_{10}$	3.6721		
	1960	≈ 250425	3.2923	≈ 128.7121	
	27400	≈ 5039782875	4.4378	467.54858319	
	1960	\bar{K}_{10}	3.2923	$\log_{10} \bar{K}_{10} = 3.5753$	
	2450	S	3.3892	$\log_{10} S = 0.4524$	
	7450	<u>6956.25</u>	3.8722	<u>3760</u>	
	17600		4.2455	<u>2.8</u>	
	9700		3.9868		
	2940		3.4683		
	19600		4.2923		
	2740	1,661,423,900	3.4683		
	725	6760		3.8299	
725			2.8603		
5260			3.7160		
39200			4.5933		
2060			3.3139		
785			2.8949		
2840			3.4533		
5560			3.7464		
8240			3.9159		
6450			3.8096		
2880			3.4594		
740		3,432,844,650	2.8692		
726		2430		3.3856	
		2810		3.4487	
		775		2.8893	
	2040		3.3096		
	38800		4.5888		
	7670		3.8848		
	2820		3.4502		
$\bar{K}_{10} = 6956.3$		$S = 9571$	$\text{antilog} = 3760 \quad S = 2.8$		

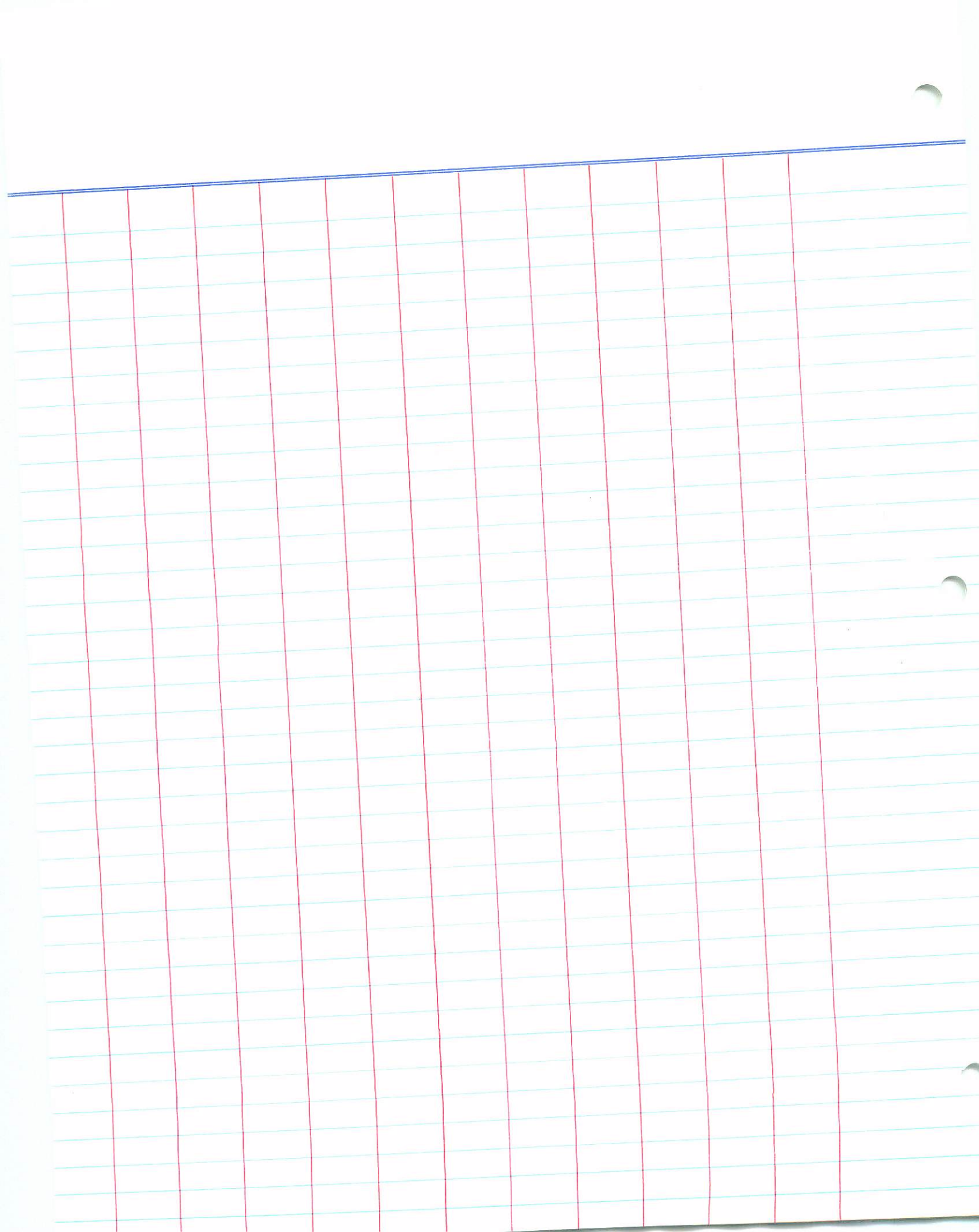
#readings: 36

Density of Spawners & Fry Production 1949-1954
Scully Creek

Area: 16000 yd² less the

Year	♂+♀	♀	Jack	Density	Eggs	Fry	Fry/yd ²	<u>Yield</u>
1949	1050	485	28	.066	1,706,376	242,000	15.3	
1950	316	121	146	.020	377,775	350,000	2.9	
1951	1193	384	21	.075	1,221,696	165,000	10.3	
1952	1863	507	40	.066	2,053,350	250,000	15.7	
1953	621	251	6	.039	958,067	97,000	6.1	
1954	657	394	7	.041	1,693,806	233,000	14.5	
1955								
1956	280							

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



Fry $\sqrt{d^2}$ - Scully Creek

5 10 15

