



East Branch Black River, brook trout estimates, Shingle Mill Bridge (Co Rd 622)

Population estimate (Chapman-Peterson) by inch group of brook trout for the East Branch Black River at the Shingle Mill Bridge (County Road 622). **Variable lengths of river were surveyed each year in mid-July or early- August.**

<i>Length (in)</i>	<i>1975 (2,450 ft)</i>	<i>1991 (1,900 ft)</i>	<i>1998 (1,900 ft)</i>	<i>2016 (1,000 ft)</i>
<i>1</i>	2			
<i>2</i>	372	102	40	100
<i>3</i>	133	49	12	52
<i>4</i>	1	9	5	4
<i>5</i>	11	120	75	90
<i>6</i>	288	126	108	81
<i>7</i>	218	90	73	51
<i>8</i>	90	14	18	16
<i>9</i>	9	12	17	4
<i>10</i>	11	9	5	5
<i>11</i>	13	12		3
<i>12</i>	4	3	2	
<i>13</i>	5	2		1
<i>14</i>	3			1
<i>15</i>	1		1	
<i>16</i>			3	1
<i>Total</i>	1,160	548	358	407
<i>95% limits</i>	463	177	83	105
<i>Average Width Used (ft)</i>	24.90	24.99	24.99	24.99
<i>Size Limit (in)</i>	8	8	8	7
<i>No./Acre</i>	829	502	328	715
<i>No./Mile</i>	2,500	1,522	995	2,152
<i>Lbs./Acre</i>	79.3	50.7	41.3	59.8
<i>Growth (in)*</i>	--	--	--	+0.4
<i>Ages</i>	--	--	--	0-V
<i>No. Trout 8" or larger</i>	136	52	46	31
<i>No. Trout 10" or larger</i>	37	26	11	11

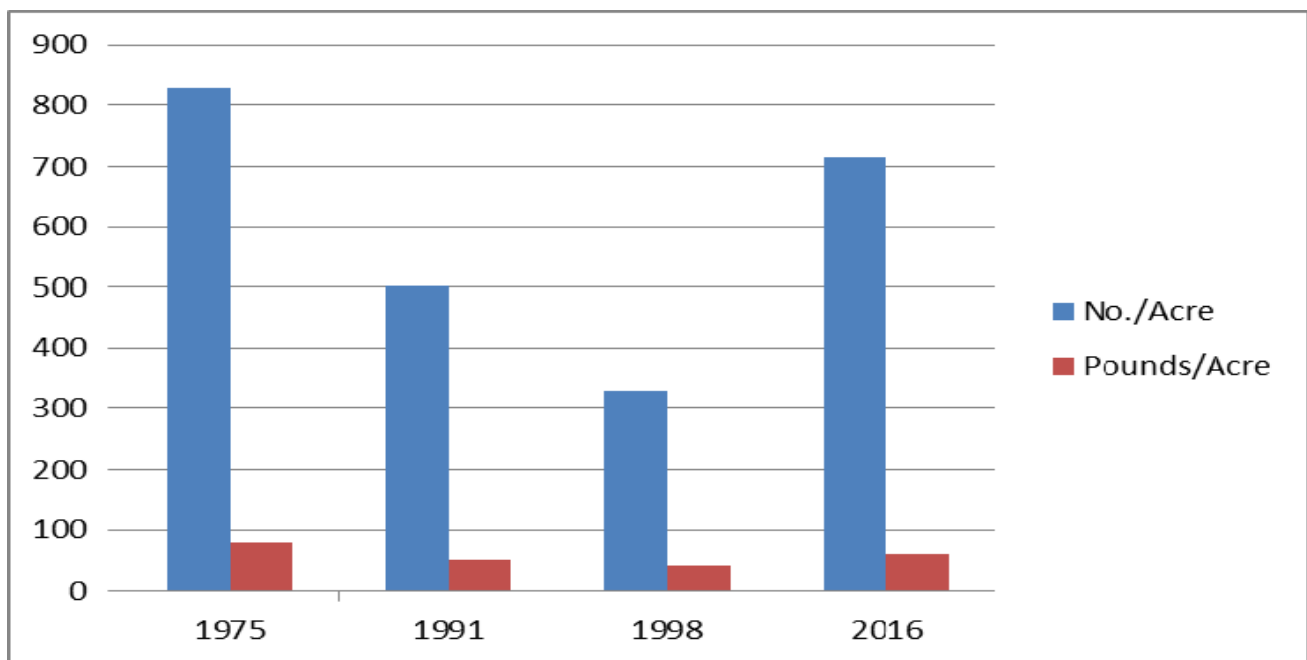


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**Indicates the deviation in inches for this population when compared to brook trout populations across Michigan*

Notes:

- Higher variance associated with the 1975 estimates of brook trout
- Consistently high biomass estimates associated with this reach
- The 2016 station was reduced to 1,000 feet upstream of bridge; water was much too deep downstream of culvert to efficiently survey



Brook trout number per acre, and pounds per acre at Shingle Mill Bridge (County Rd. 622) in various years. Station lengths were different among years.