



East Branch Black River, brook trout estimates, Barber Bridge

Population estimate (Chapman-Peterson) by inch group of brook trout for the East Branch Black River at the Barber Bridge located on Blue Lakes Road. For each year, 2100 feet of stream (1000 feet downstream, 1100 feet upstream) was surveyed as a mark and recapture estimate in mid-July or early-August.

<i>Length (in)</i>	1975	1991	1998	2016
<i>1</i>	6			19
<i>2</i>	1064	469	712	523
<i>3</i>	1117	85	124	283
<i>4</i>	81	38	130	66
<i>5</i>	39	97	158	135
<i>6</i>	149	54	100	58
<i>7</i>	195	15	54	34
<i>8</i>	118	9	21	28
<i>9</i>	30	1	14	11
<i>10</i>	5	5	3	1
<i>11</i>	8	1		1
<i>12</i>	6	3	1	1
<i>13</i>	2			
<i>14</i>				
<i>15</i>				
<i>16</i>				
<i>Total</i>	2,821	777	1,317	1,159
<i>95% limits</i>	571	118	153	76
<i>Average Width Used (ft)</i>	28.0	32.36	32.36	32.36
<i>Size Limit (in)</i>	8	8	8	7
<i>No./Acre</i>	2,089	498	844	743
<i>No./Mile</i>	7,092	1,954	3,311	2,915
<i>Lbs./Acre</i>	88.5	16.4	31.0	25.3
<i>Growth (in)*</i>	--	--	--	+0.2
<i>Ages</i>	--	--	--	0-III
<i>No. Trout 8" or larger</i>	169	19	39	42
<i>No. Trout 10" or larger</i>	21	9	4	3



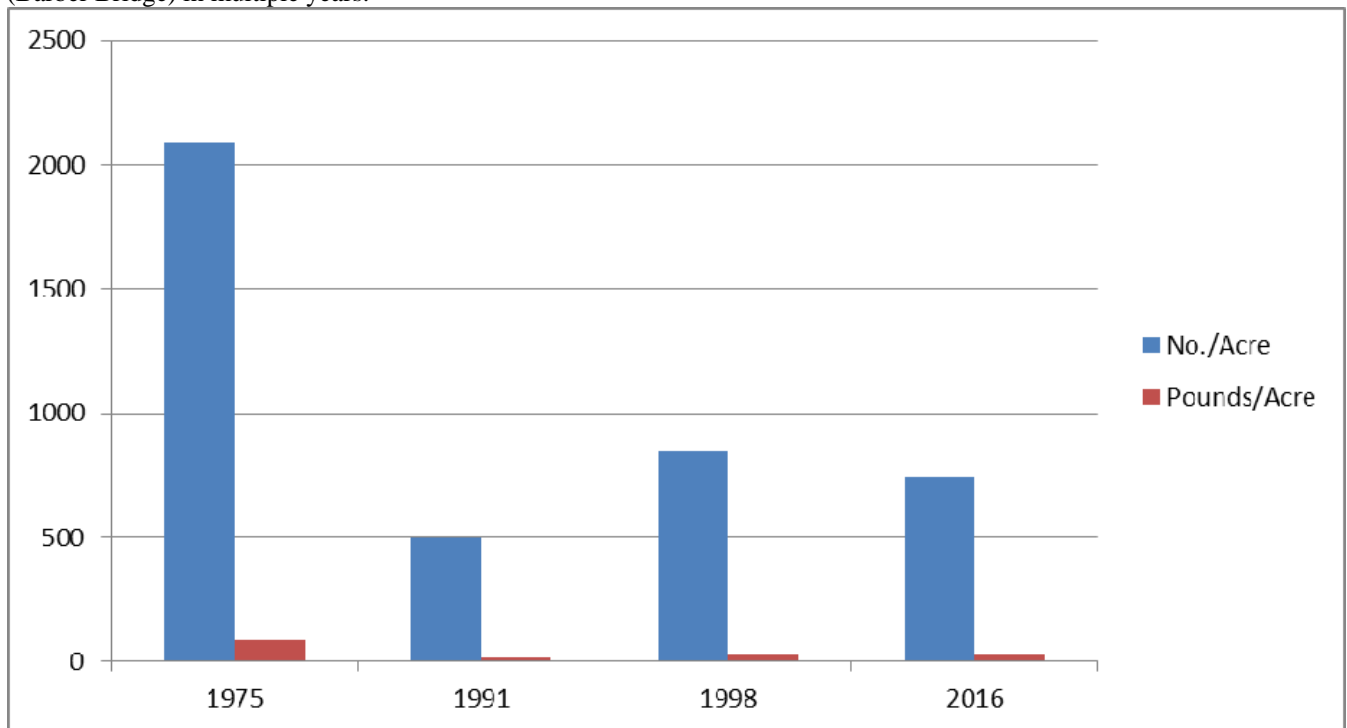
East Branch Black River, brook trout estimates, Barber Bridge

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

Notes:

- Greater variance associated with the 1975 estimate, particularly for juvenile fish
- 2016 data appears normal when compared to 1990 estimates
- Regardless of sampling year, good numbers of fish recorded, as well as good estimates of biomass of brook trout

Brook trout number/acre and pounds/acre for the East Branch Black River measured at a 2,100 foot sampling station (Barber Bridge) in multiple years.



Summary by Tim Cwalinski, DNR Fisheries