

## 2010 and 2011 Update of Unassessed Waters Surveyed in Fisheries Management Area 5 - encompassing the Delaware and Lehigh River Basins upstream from Easton, Pennsylvania

During the 2010 and 2011 field seasons Fisheries Management Area 5 staff conducted electrofishing surveys on 34 named and 11 unnamed streams to determine if natural trout reproduction was present. The examinations were conducted to gather information on streams potentially supporting wild trout population through the Commission's [Unassessed Waters Program](#). Streams with trout reproduction are eligible for Commission action to place on the list of [PA Stream Sections that Support Natural Reproduction of Trout](#). If the stream was found to support a Class A trout population then it is also eligible for Commission action to place it on the [Class A Wild Trout Streams list](#). Surveys were conducted from June through September and consisted of fish community sampling by backpack electrofishing starting at the mouth or as nearby as feasible. Pictures in Figure 1 show several of the streams worked to better illustrate the types of streams encountered. Table 1 identifies streams surveyed where wild trout were collected. Streams where wild trout were not collected at the time of the survey are listed in Table 2.



Figure 1. Dimmock Meadow Brook (top left), Hypsy Creek (top right), Laurel Brook (bottom left), and Fritz Run (bottom right).

Table 1. List of unassessed streams where wild trout were collected in 2010 and 2011.

<b>Stream</b>	<b>Latitude and Longitude of Mouth</b>	<b>Wild Trout Reproduction documented</b>
Beaver Run	40 <sup>0</sup> 50'59" / 75 <sup>0</sup> 42'33"	Yes
Bowers Run	41 <sup>0</sup> 00'05" / 75 <sup>0</sup> 24'34"	Yes
Bull Run	40 <sup>0</sup> 38'04" / 75 <sup>0</sup> 18'04"	Yes
Cummins Creek	41 <sup>0</sup> 20'38" / 74 <sup>0</sup> 45'30"	Yes
Deep Brook	41 <sup>0</sup> 20'03" / 74 <sup>0</sup> 47'53"	Yes
Dimmick Meadow Brook	41 <sup>0</sup> 20'47" / 74 <sup>0</sup> 50'13"	Yes
Fall Creek	40 <sup>0</sup> 59'49" / 75 <sup>0</sup> 23'52"	Yes
Fritz Run	41 <sup>0</sup> 13'38" / 75 <sup>0</sup> 30'35"	Yes
Hypsy Creek	40 <sup>0</sup> 59'48" / 75 <sup>0</sup> 23'52"	Yes
Laurel Brook	41 <sup>0</sup> 20'29" / 74 <sup>0</sup> 48'19"	Yes
Laurel Run	41 <sup>0</sup> 00'45" / 75 <sup>0</sup> 36'11"	Yes
Lucky Run	41 <sup>0</sup> 09'23" / 75 <sup>0</sup> 14'05"	Yes
Mud Run	41 <sup>0</sup> 08'48" / 75 <sup>0</sup> 12'31"	Yes
Nis Hollow	40 <sup>0</sup> 48'10" / 75 <sup>0</sup> 40'33"	Yes
Panther Creek	41 <sup>0</sup> 28'50" / 74 <sup>0</sup> 55'51"	Yes
Panther Creek	41 <sup>0</sup> 00'16" / 75 <sup>0</sup> 37'56"	Yes
Pinchot Creek	41 <sup>0</sup> 21'07" / 74 <sup>0</sup> 50'51"	Yes
Robertson Run	40 <sup>0</sup> 52'19" / 75 <sup>0</sup> 44'20"	Yes
Rockdale Creek	40 <sup>0</sup> 43'12" / 75 <sup>0</sup> 33'32"	Yes
Rucks Run	41 <sup>0</sup> 13'28" / 75 <sup>0</sup> 30'45"	Yes
Schoch Creek	41 <sup>0</sup> 00'27" / 75 <sup>0</sup> 33'43"	Yes
Sloat Brook	41 <sup>0</sup> 19'24" / 74 <sup>0</sup> 48'59"	Yes
Stony Run	41 <sup>0</sup> 07'40" / 75 <sup>0</sup> 13'55"	Yes
Swamp Run	41 <sup>0</sup> 01'01" / 75 <sup>0</sup> 35'40"	Yes
Unt to Pinchot Brook	40 <sup>0</sup> 59'09" / 75 <sup>0</sup> 14'60"	Yes
Unt to Ltl. Pocono Ck	41 <sup>0</sup> 21'10" / 74 <sup>0</sup> 50'53"	Yes
Unt to Sambo Creek	41 <sup>0</sup> 01'34" / 75 <sup>0</sup> 11'02"	Yes
Unt to Shohola Creek	41 <sup>0</sup> 22'17" / 75 <sup>0</sup> 00'36"	Yes
Unt to Shohola Creek	41 <sup>0</sup> 21'40" / 75 <sup>0</sup> 03'02"	Yes
Unt to Trout Creek	40 <sup>0</sup> 44'34" / 75 <sup>0</sup> 39'22"	Yes
Vantine Brook	41 <sup>0</sup> 19'25" / 74 <sup>0</sup> 48'41"	Yes
Wolf Run	41 <sup>0</sup> 00'32" / 75 <sup>0</sup> 34'21"	Yes

Table 2. List of unassessed streams found not to support wild trout reproduction in 2010 and 2011.

Stream	Latitude and Longitude of Mouth	Wild Trout Reproduction documented
Blexley Run	41 <sup>0</sup> 00'32" / 75 <sup>0</sup> 34'21"	No
Crawford Branch	41 <sup>0</sup> 19'29" / 74 <sup>0</sup> 46'39"	No
Deep Hollow	41 <sup>0</sup> 10'18" / 75 <sup>0</sup> 12'12"	No
Dry Sawmill Run	41 <sup>0</sup> 03'48" / 75 <sup>0</sup> 22'25"	No
Goulds Run	41 <sup>0</sup> 00'56" / 75 <sup>0</sup> 44'15"	No
Holsey Run	41 <sup>0</sup> 20'21" / 75 <sup>0</sup> 06'58"	No
Shingle Hollow	41 <sup>0</sup> 54'20" / 75 <sup>0</sup> 16'06"	No
Unt to Hassen Creek	40 <sup>0</sup> 36'01" / 75 <sup>0</sup> 37'51"	No
Unt to Shohola Creek	41 <sup>0</sup> 21'58" / 75 <sup>0</sup> 02'30"	No
Unt to West Branch Delaware River	41 <sup>0</sup> 57'13" / 75 <sup>0</sup> 19'06"	No
Unt to West Branch Delaware River	41 <sup>0</sup> 46'27" / 75 <sup>0</sup> 06'19"	No
Unt to Tobyhanna Creek (Bill Warner Spring)	41 <sup>0</sup> 10'31" / 75 <sup>0</sup> 29'48"	No
Fells Creek	41 <sup>0</sup> 43'14" / 75 <sup>0</sup> 31'35"	No

Of the 45 surveyed streams, 32 were found to support trout reproduction. For anglers interested in fishing small wild trout streams Table 3 provides names of waters where populations of at least 100 legal ( $\geq 7$  inches) and larger size trout were estimated per mile. Streams supporting lower numbers of wild trout were usually too shallow, narrow, and overgrown by dense vegetation to effectively fish, although better areas to fish might exist beyond the reach sampled. Access to many of these streams was restricted by landowner postings of "No Trespassing" and "No Hunting and Fishing" signs, outside the immediate areas surveyed. Anglers are strongly encouraged to be respectful of such property postings and ask landowners for permission before attempting to fish. If anglers speak with landowners and find they don't permit fishing because of liability concerns it might be beneficial to mention [Pennsylvania's Landowner Liability Act](#), which encourages owners of land to make land and water areas available to the public for recreational purposes by limiting their liability towards persons entering to fish or engage in other recreational pursuits. This information might ameliorate landowner concerns and persuade some to allow angling. To become better informed on access to Pennsylvania's waters click on [Public Rights in Pennsylvania Waters](#) to read the frequently asked questions and answers page under public access. For persons interested in Commission programs that work to expand public fishing opportunities and improve aquatic habitats please visit our website's [Habitat Management Division](#) or the [Habitat Improvement](#) pages.

Table 3. Streams found to support a worthwhile number of legal and larger size wild trout.

<b>Stream</b>	<b>Trout species</b>	<b>Estimated # legal fish/mile</b>
Beaver Run	Brown Brook	258 5
Cummins Creek	Brown	201
Fall Creek	Brown Brook	68 42
Hypsy Creek	Brown Brook	109 21
Nis Hollow	Brown Brook	133 35
*Robertson Run	Brook	137
*Sloat Brook	Brown	177
Stony Run	Brown Brook	145 16
Swamp Run	Brown Brook	101 5
Unt to Little Pocono Creek	Brown	163
*Vantine Brook	Brook Brown	57 77



Figure 2. Top left - wild brook trout of various lengths representing several ages. Top right – legal size adult wild brown trout with tail of ingested mouse protruding from mouth (photo credit to Mark Liscinski). Bottom left from top to bottom – fingering wild brown trout, tessellated darter, white sucker, and longnose dace. Bottom right – very colorful brook trout.

Fisheries Management Area 5 (Bushkill)