

= Hunlock Creek =

Hunlock Creek (also known as Hunlocks Creek) is a tributary of the Susquehanna River in Luzerne County , Pennsylvania , in the United States . It is approximately 7 @. @ 8 miles (12 @. @ 6 km) long and flows through Lehman Township and Hunlock Township . The watershed of the creek has an area of 32 @. @ 5 square miles (84 km²) and is situated in northwestern Luzerne County . It has one named tributary , which is known as Roaring Brook , and a number of unnamed and unofficially named tributaries , such as " West Branch Hunlock Creek " .

Hunlock Creek is designated as a Coldwater Fishery and a Migratory Fishery and part of it is inhabited by wild trout . The annual rate of precipitation in the watershed is 35 to 45 inches (89 to 114 cm) . Rock formations consisting of sandstone and shale are common in the vicinity of the creek . A number of bridges have been built over the creek and it was the site of a furnace in the 1800s . An area listed on the Luzerne County Natural Areas Inventory is located in the creek 's watershed .

= = Course = =

Hunlock Creek begins in a valley in Lehman Township , a short distance northwest of Lake Silkworth . It flows south for several tenths of a mile before turning south @-@ southeast for a similar distance and receiving an unnamed tributary from the left . The creek then turns south for approximately half a mile , exiting Lehman Township and entering Hunlock Township . It continues flowing generally southwards for more than a mile and its valley widens considerably . The creek receives another unnamed tributary from the left before its valley narrows again and it turns southwest . After approximately a mile , it receives Roaring Brook , its only named tributary , from the right . The creek then turns south @-@ southeast for a few miles , receiving one unnamed tributary from the left and one from the right . The creek turns east @-@ northeast for several tenths of a mile and receives another unnamed tributary from the left . It then turns southeast , passing through a water gap and crossing US Route 11 in the village of Hunlock Creek . A short distance further downstream , the creek reaches its confluence with the Susquehanna River .

Hunlock Creek joins the Susquehanna River 178 @. @ 21 miles (286 @. @ 80 km) upriver of its mouth .

= = = Tributaries = = =

Hunlock Creek has one named tributary , which is known as Roaring Brook . Roaring Brook joins Hunlock Creek 3 @. @ 99 miles (6 @. @ 42 km) upstream of its mouth . Its watershed has an area of 6 @. @ 17 square miles (16 @. @ 0 km²) . Hunlock Creek also has an unnamed tributary that is unofficially known as " West Branch Hunlock Creek " . This tributary is approximately 7 @. @ 60 miles (12 @. @ 23 km) long . Additionally , it has a number of other unnamed tributaries .

= = Hydrology and climate = =

Hunlock Creek is not designated as an impaired waterbody , meaning that it attains standards for water quality .

The peak annual discharge of Hunlock Creek at its mouth has a 10 percent chance of reaching 2 @, @ 780 cubic feet per second (79 m³ / s) . The discharge has a 2 percent chance of reaching 5 @, @ 600 cubic feet per second (160 m³ / s) and a 1 percent chance of reaching 7 @, @ 400 cubic feet per second (210 m³ / s) . It has a 0 @. @ 2 percent chance of reaching 13 @, @ 900 cubic feet per second (390 m³ / s) .

At the confluence of one of its tributaries with the main stem , the discharge of Hunlock Creek has a 10 percent chance of peaking at 2 @, @ 100 cubic feet per second (59 m³ / s) in any given year . It has a 2 percent chance of peaking at 4 @, @ 300 cubic feet per second (120 m³ / s) , a 1 percent chance of peaking at 5 @, @ 650 cubic feet per second (160 m³ / s) , and a 0 @. @ 2 percent

chance of peaking at 10 @, @ 800 cubic feet per second (310 m³ / s) .

The peak annual discharge of Hunlock Creek at the confluence of another one of its tributaries with the main stem has a 10 percent chance of reaching 1 @, @ 460 cubic feet per second (41 m³ / s) . The discharge has a 2 percent chance of reaching 3 @, @ 050 cubic feet per second (86 m³ / s) and a 1 percent chance of reaching 4 @, @ 050 cubic feet per second (115 m³ / s) . It has a 0 @. @ 2 percent chance of reaching 7 @, @ 900 cubic feet per second (220 m³ / s) .

The average annual rate of precipitation in the watershed of Hunlock Creek is 35 to 45 inches (89 to 114 cm) .

= = Geography and geology = =

The elevation near the mouth of Hunlock Creek is 512 feet (156 m) above sea level . The elevation near the creek 's source is between 1 @, @ 140 and 1 @, @ 160 feet (347 and 354 m) above sea level . The creek 's elevation decreases at a rate of 79 @. @ 3 feet (24 @. @ 2 m) per mile .

A high ridge runs from near Hunlock Creek westward to the Shickshinny Gap . This ridge is known as Shickshinny Mountain and is made from Pocono beds . Green sandstone and red shale occur along the creek . A sandstone formation containing red quartz pebbles also occurs in the area and at one point forms a 30 @- @ foot (9 @. @ 1 m) high cliff along the creek . Additionally , shale of the Mauch Chunk Formation can be found in the vicinity of the creek .

Drift heaps cover the old channel of Hunlock Creek .

A 1921 report by the Water Supply Commission of Pennsylvania described the topography of the watershed of Hunlock Creek as " rough and hilly " . The creek cuts through a mountain range in its lower reaches . Swamps and glacial lakes occur in the watershed . The channel of the creek is sinuous and cuts through rock formations consisting of sandstone and shale .

= = Watershed = =

The watershed of Hunlock Creek has an area of 32 @. @ 5 square miles (84 km²) . The creek 's mouth is in the United States Geological Survey quadrangle of Nanticoke . However , its source is in the quadrangle of Harveys Lake . The watershed is in the northwestern part of Luzerne County . It is part of the Lower North Branch Susquehanna drainage basin .

Hunlock Creek is described as a " good @- @ sized creek " in the 1909 book A History of Wilkes @- @ Barré , Luzerne County , Pennsylvania , from Its First Beginnings to the Present Time .

= = History = =

Hunlock Creek was entered into the Geographic Names Information System on August 2 , 1979 . Its identifier in the Geographic Names Information System is 1177599 .

Johnathan Hunlock came to the vicinity of Hunlock Creek from Lower Smithfield Township in the early 1770s and constructed a plantation on the creek . On March 28 , 1780 , Asa Upman and John Rogers were ambushed by Indians while making sugar near the mouth of Hunlock Creek . Upman was killed and Rogers was captured . The 1893 book History of Luzerne County , Pennsylvania referred to this incident as " one of the bloody episodes in the days of Indian troubles " .

William Koons constructed a furnace on Hunlock Creek in the 1800s . This furnace was capable of producing 75 tons of pig metal per week . In the early 1900s , major communities in the watershed of Hunlock Creek included Hunlock Creek , Sweet Valley , and Silkworth . In 1921 , their populations were 310 , 190 , and 24 , respectively . Around this time , the main industry in the creek 's watershed was agriculture .

Two two @- @ span concrete tee beam bridges carrying State Route 4016 were built over Hunlock Creek in Hunlock Township in 1925 . The bridges are 65 @. @ 9 feet (20 @. @ 1 m) and 58 @. @ 1 feet (17 @. @ 7 m) long . Both bridges underwent repair work in 1983 . A concrete slab bridge carrying Pritchards Road was built over the creek in 1937 . This bridge is 23 @. @ 0 feet (7 @. @ 0

m) long . A masonry arch bridge carrying State Route 4005 / Cragle Road over the creek in Hunlock Township was built in 1938 and is 34 @. @ 1 foot (10 @. @ 4 m) long . A concrete tee beam bridge carrying US Route 11 over Hunlock Creek was constructed in 1940 . It is 47 @. @ 9 feet (14 @. @ 6 m) long . In 1974 , a prestressed box beam bridge was built over the creek near State Route 4003 . It is 35 @. @ 1 foot (10 @. @ 7 m) long and carries Spring Hill Road .

Hunlock Creek is also known as Hunlocks Creek . This name appears on Patton 's Philadelphia and Suburbs Street and Road Map from 1984 . The creek was known as Massacota by the Native Americans .

= = Biology = =

The entire drainage basin of Hunlock Creek is classified as a Coldwater Fishery and a Migratory Fishery in Chapter 93 @. @ 9 of the Pennsylvania Code . Wild trout naturally reproduce in the creek from T @-@ 534 downstream to its mouth . This stretch is 3 @. @ 9 miles (6 @. @ 3 km) long . They also naturally reproduce in the tributary Roaring Brook and in the unofficially named tributary West Branch Hunlock Creek .

The Shickshinny Mountain Slopes , which are listed as a Locally Significant Area in the Luzerne County Natural Areas Inventory , are located in the watershed of Hunlock Creek in Plymouth Township . These slopes are on the northern side of Shickshinny Mountain and contain second @-@ growth northern hardwood forests and some rock outcroppings with small seeps . The area contains a large number of wildflower species and some rare plants . The main tree species in this area include American basswood , sugar maple , white ash , white oak , black cherry , and eastern hemlock .