

## **APPENDICES**

- A – NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTEES**
- B – KNOWN FLOODING AND STORMWATER PROBLEM AREAS**
- C – HISTORY OF THE YELLOW BREECHES CREEK**
- D – PENNSYLVANIA FISH AND BOAT COMMISSION STREAM SURVEYS**
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**APPENDIX A**  
**NPDES PERMITTEES**

**APPENDIX A**  
**NPDES PERMITTEES - NON-MUNICIPAL SEWAGE (PA DEP, 2005)**

<b>Permit No.</b>	<b>Facility</b>	<b>County</b>	<b>Municipality</b>	<b>Facility ID</b>	<b>Stream</b>
PA0030473	FAIRVIEW ELEM	York	Fairview Township	SN	Yellow Breeches Creek
PA0081060	MEADOWBROOK MHP	York	Fairview Township	SN	Yellow Breeches Creek
PA0081361	MEMPHORD ESTATES	York	Monaghan Township	SN	Stony Run
PA0081795	WILLIAMS GROVE MHP	Cumberland	Monroe Township	SN	Yellow Breeches Creek
PA0081876	AUDUBON VILLAGE MHP	York	Monaghan Township	SN	Yellow Breeches Creek
PA0082911	WELLINGTON HEIGHTS	York	Monaghan Township	SN	Yellow Breeches Creek
PA0087114	CALVO, MANOLO & ROSALIE	York	Carroll Township	SN	Stony Run

**APPENDIX A**  
**NPDES PERMITTEES - STORMWATER DISCHARGES (PA DEP, 2005)**

<b>Permit No.</b>	<b>Facility</b>	<b>County</b>	<b>Municipality</b>	<b>Facility ID</b>	<b>Stream</b>
PAR123503	QUAKER OATS	Cumberland	Hampden Township	SWI	Cedar Run
PAR123546	ADM ALLIANCE NUTRITION	Cumberland	Camp Hill Borough	SWI	Not Available
PAR123556	DAIRY FARMERS OF AMERICA	Cumberland	Lower Allen Township	SWI	Cedar Run
PAR123557	KEEBLER DISTR CTR 465	Cumberland	Mechanicsburg Borough	SWI	Cedar Run
PAR203519	KEYSTONE RAILWAY EQUIP	Cumberland	Lower Allen Township	SWI	Cedar Run
PAR203521	TRUE TEMPER HARDWARE	Cumberland	Hampden Township	SWI	Not Available
PAR213510	ATLAS ENERGY ROOFING PLT CAMP HILL	Cumberland	Camp Hill Borough	SWI	Not Available
PAR233530	LOWER ALLEN TWP LEAF COMPOSTING	Cumberland	Lower Allen Township	SWI	Cedar Run
PAR503505	WASTE MGMT CAMP HILL TRANSF	Cumberland	Hampden Township	SWI	Cedar Run
PAR603568	NEW CUMBERLAND AUTO PARTS	York	Fairview Township	SWI	Not Available
PAR803512	ARNOLD TRUCKING TERMINAL	Cumberland	Camp Hill Borough	SWI	Not Available
PAR803514	WARD TRUCKING CAMP HILL	Cumberland	Lower Allen Township	SWI	Cedar Run
PAR803647	NEW PENN TRUCKING TERM CAMP HILL	Cumberland	Camp Hill Borough	SWI	Not Available

**APPENDIX A**  
**NPDES PERMITTEES - MUNICIPAL SEWAGE (PA DEP, 2005)**

<b>Permit No.</b>	<b>Facility</b>	<b>County</b>	<b>Municipality</b>	<b>Facility ID</b>	<b>Stream</b>
PA0023183	MT HOLLY SPRINGS STP	Cumberland	Mount Holly Springs Borough	SP	Mountain Creek
PA0024431	DILLSBURG STP	York	Dillsburg Borough	SP	Dogwood Run
PA0024902	UPPER ALLEN TWP STP	Cumberland	Upper Allen Township	SP	Yellow Breeches Creek
PA0027189	LOWER ALLEN STP	York	Lower Allen Township	SP	Susquehanna River
PA0044113	SOUTH MIDDLETON STP	Cumberland	South Middleton Township	SP	Yellow Breeches Creek
PA0024287	FAIRVIEW TOWNSHIP STP	York	Fairview Township	SP	Susquehanna River

**APPENDIX A**  
**NPDES PERMITTEES - INDUSTRIAL WASTE DISCHARGES (PA DEP, 2005)**

<b>Permit No.</b>	<b>Facility</b>	<b>County</b>	<b>Municipality</b>	<b>Facility ID</b>	<b>Stream</b>
PA0007862	PA AMER W CO YELLOW BREECHES WS	York	Fairview Township	IW	Yellow Breeches Creek
PA0008150	MH TECHNOLOGIES, LLC	Cumberland	Mount Holly Springs Borough	IW	Mountain Creek
PA0008486	AHLSTROM FILTRATION	Cumberland	Mount Holly Springs Borough	IW	Mountain Creek
PA0014605	UNITED WATER-MECH RC RABOLD WS	York	Fairview Township	IW	Yellow Breeches Creek
PA0037141	PA FISH COMM HUNTSDALE IW	Cumberland	Penn Township	IW	Yellow Breeches Creek
PA0037141	PA FISH COMM HUNTSDALE IW	Cumberland	Penn Township	IW	Irishtown Gap Hollow
PA0044911	LAND O LAKES	Cumberland	South Middleton Township	IW	Mountain Creek
PA0080632	B & W HUNTSDALE	Cumberland	Penn Township	IW	Yellow Breeches Creek
PA0084395	CAMP HILL ST CORR INST	Cumberland	Lower Allen Township	IW	Cedar Run
PA0086487	PPG MT HOLLY STORM	Cumberland	South Middleton Township	IW	Yellow Breeches Creek
PA0086711	SUN OIL / MECHANICSBURG	Cumberland	Hampden Township	IW	Not Available
PA0086801	EXXON RAS #2-7395 GWCU	Cumberland	Upper Allen Township	IW	Yellow Breeches Creek
PA0247162	PA AMER WEST SHORE REG WATER SYS	York	Fairview Township	IW	Yellow Breeches Creek

**APPENDIX B**

**KNOWN FLOODING AND  
STORMWATER PROBLEM AREAS**

**APPENDIX B - KNOWN STORMWATER AND FLOODING PROBLEM AREAS**

<b>Municipality</b>	<b>Location</b>	<b>Description</b>
Carroll Township	Gettysburg Pike	Channel and stream flooding
Carroll Township	Spring Lane Road	Channel and stream flooding
Carroll Township	Stony Run Road	Channel and stream flooding
Dickinson Township	Alexander Spring Road	Channel and stream flooding
Dickinson Township	Stuart Road	Channel and stream flooding
Dickinson Township	West Yellow Breeches Creek Road/Dickinson School Road	Channel and stream flooding
Dickinson Township	Encks Mill Road	Channel and stream flooding
Dickinson Township	Mont Sera Road	Channel and stream flooding
Fairview Township	Old York Road/Ross Avenue	Channel and stream flooding
Fairview Township	Old York Road/Lewisberry Road	Channel and stream flooding
Fairview Township	Green Lane Farms/Yellow Breeches Drive	Channel and stream flooding
Lemoyne Borough	Hummel Avenue	Street flooding
Lower Allen Township	Windsor Park Area	Stormwater drainage
Lower Allen Township	Bethany Village (White Field Road Area)	Stormwater drainage/runoff
Lower Allen Township	Windsor Place Area	Stormwater drainage/runoff
Lower Allen Township	Cumberland Road Area	Stormwater drainage/runoff
Lower Allen Township	Linda Lane	Channel and stream flooding
Lower Allen Township	Schuylkill Ave.	Channel and stream flooding
Lower Allen Township	Cedar Cliff Mall Area	Stormwater drainage/runoff
Lower Allen Township	Lisburn Road Bridge	Floodplain resulting in road closure
Lower Allen Township	Sheepford Road Bridge	Floodplain resulting in road closure
Lower Allen Township	Spanglers Mill Road Bridge	Floodplain resulting in road closure
Lower Allen Township	Green Lane Bridge Area	Floodplain resulting in road closure
Lower Allen Township	Sheepford Road	Floodplain resulting in road closure
Lower Allen Township	Yellow Breeches Creek & Cedar Run	Floodplain - entire stream corridor
Lower Allen Township	Hummel Avenue	Street and intersection flooding
Lower Allen Township	Highland Circle to Carlisle Road	Channel stream flooding
Lower Allen Township	Carlisle Road (Railroad Underpass)	Street and intersection flooding
Lower Allen Township	Rosemont Avenue	Channel and stream flooding
Lower Allen Township	Orchard Avenue	Street and intersection flooding
Lower Allen Township	St. John's Road	Street and intersection flooding
Lower Allen Township	Rockaway Drive	Discharge to sinkhole
Lower Allen Township	Bethany Village	Street and intersection flooding
Lower Allen Township	Gettysburg Road (4800 Block)	Street and intersection flooding
Lower Allen Township	Simpson Ferry Road (5100 Block)	Street and intersection flooding
Lower Allen Township	Gettysburg Road/Sheely Lane	Channel and stream flooding

**APPENDIX B - KNOWN STORMWATER AND FLOODING PROBLEM AREAS (Cont'd.)**

<b>Municipality</b>	<b>Location</b>	<b>Description</b>
Monroe Township	Criswell Drive	Channel and stream flooding
Monroe Township	Cockley's Meadow Drive	Channel and stream flooding
Monroe Township	Creek Road	Channel and stream flooding
Monroe Township	Park Place	Channel and stream flooding
Monroe Township	William's Grove Mobile Home Park	Channel and stream flooding
Monroe Township	Spring Circle	Channel and stream flooding
Monroe Township	Heisey Road	Stormwater drainage
New Cumberland Borough	New Cumberland Borough Park	Channel and stream flooding
New Cumberland Borough	Second Street	Channel and stream flooding
New Cumberland Borough	Maple Alley	Channel and stream flooding
New Cumberland Borough	Locust Alley	Channel and stream flooding
New Cumberland Borough	Maple Alley/Second Street	Stormwater drainage
Upper Allen Township	Bumble Bee Hollow Road	Street flooding
Upper Allen Township	Shingus Circle/Grantham Road	Stormwater drainage
Upper Allen Township	Gettysburg Road	Channel and stream flooding
Upper Allen Township	Allendale Road	Channel and stream flooding
Upper Allen Township	Eric Avenue	Stormwater drainage/sinkhole
Upper Allen Township	East Winding Hill Road	Channel and stream flooding
Upper Allen Township	Route 114/PA Turnpike	Channel and stream flooding
Upper Allen Township	Georgetown Road/Elmwood Avenue	Stormwater drainage
Upper Allen Township	Webercraft Development	Channel and stream flooding
Upper Allen Township	South York Street	Stormwater drainage
Upper Allen Township	York Street	Channel and stream flooding
Upper Allen Township	Diehl Road	Stormwater drainage

Sources: CCPC, 2000  
 CCPC, 2002  
 Municipalities, 2005

**APPENDIX C**

**HISTORY OF THE YELLOW BREECHES CREEK**

## HISTORY OF THE CALLAPATSCHINK/YELLOW BREECHES CREEK

PREPARED FOR YELLOW BREECHES WATERSHED ASSOCIATION

By Bob Rowland

August 2001

The first known occupancy of the Central Pennsylvania area was by the Susquehannock Indians and predated the arrival of the white man from Europe. Some evidence has been found on the West Shore area to confirm their presence, but not enough to confirm specific locations other than burials or their activities. With the demise of the Susquehannocks in the mid to late 1600s, the Shawnee Indians began moving from the south and west into Maryland and Pennsylvania. This was with the permission of the Penn Family and the Delaware Indians. By the 1720s, the Shawnees had established a village on the north side of the mouth of the Yellow Breeches. Little physical evidence has been found but their presence is well documented in various records.

Other Shawnee Villages along the Susquehanna River were south of the Yellow Breeches at an undefined location, and on the north side of the mouth of the Conodoguinet Creek, which was documented in property surveys as late as 1737. It was also reported that the Shawnee lodges could be seen on the bluffs opposite John Harris' place.

The Indians had a burial ground approximately 2 miles up stream along the Yellow Breeches on Rich Hill at a loop in the Yellow Breeches. Rich Hill no longer exists due to a quarry operation. The property owner was of the opinion that there were also lodges there. There have been some undocumented reports of Indian villages further up stream and in the western portion of Cumberland County but no specific locations are known. Other than the obvious use of the Yellow Breeches for fishing and transportation, there is no known other use by the Indians. In 1728, the Shawnees departed the local area and headed out to western Pennsylvania and joined forces with the French to fight against the English.

In 1732, the three Lancaster Jurists wrote a letter to the Shawnee chief in an enticement to get the Indians to return, offering them a 7,500 acre manor along the Susquehanna River in what would later be known as Lowther Manor. Their description of the boundary included the "Shawna Creek" on the south side, the name by which the Shawnees knew the Yellow Breeches.

The only Indian that lived near the Yellow Breeches and left his mark in history was Peter Chartier (1700-1759). He was the son of Martin Chartier, - 1718, a Frenchman from Canada and a noted Indian trader and interpreter. Martin's wife, Peter's mother, was a Shawnee. Peter Chartier established a trading post about a mile north of the Yellow Breeches along the Susquehanna River and competed with John Harris. Chartiers place or Chartiers Landing was located just off the river between 15th and 16th Streets in New Cumberland. While he departed with the Shawnees in the late 1720s, he frequently returned and he did obtain a deed to this property in 1739. As a Shawnee chief, he was frequently involved in negotiations with the Penn government, some of which took place at the mouth of the Yellow Breeches.

There are many opinions about the source of the name, Yellow Breeches, but no conclusions. The earliest recorded use of a variation of this name that the author has found is in the Blunston's Licenses first issued to David Priest on May 2, 1734 for 200 acres of land on the south side of the "Yellow Britches" Creek. It is repeated as "Britches" in nine other licenses issued between 1734 and 1736, according to the transcription by Mrs. Harry Royes and published by the Genealogical Society of Pennsylvania. Local historian Robert G. Crist indicated that it was spelled "Breeches" in the Blunston Licenses. Smout's survey of 1736 included the name "Yellow Breeches". It appears that after 1737, the name "Yellow Breeches" was used exclusively, i.e. Peter Chartier's 1739 Deed to his tract in New Cumberland Borough.

One story is that some old "Geezer" in the early days washed his buckskin breeches in the creek and yellowed the water. Another story is that the name is a corruption from yellow beeches, from the great number of trees of that species that grew upon its banks. The presence of beech trees is confirmed in the 1740 survey of Peter Chartier's tract which started at the mouth of the Yellow Breeches at the Susquehanna River, "... beginning at a beech tree on the banks of the Susquehanna river...". Or it may have been taken from an old song:

"Yellow Breeches,  
Full of stitches,  
Mammy sewed the buttons on:  
Daddy kicked me out of bed  
for sleeping with the breeches on" (4)

The Indians used a variety of names including: Callapus-Kinck, Callapus-Sink, Callapatscink, Shawna and Shawnee Creek. Use of the later names would have been limited to 30 years or less during the Shawnee occupancy.

The land on the west side of the Susquehanna River was not opened legally for settlement until the mid-1730s. When the negotiations with the Indians were approaching completion, the Penn's authorized the issuance of a temporary warrant called Blunston's Licenses. These were issued for four years until October 1736 when the Penn's repurchased the west side of the Susquehanna River from the Chiefs of the Five Nations. The land office then began issuing warrants for the west side.

The Blunston Licenses were issued by Lancaster County officials who at that time had jurisdiction over the new territory on the west side of the Susquehanna. As mentioned, the first license issued along the Yellow Breeches was for David Priest of Lancaster County. It included 200 acres and was described "To be bounded on the east with the River, on the north side with Yellow Britches Creek, to the west with Richard Ashton's tract" (Ashton's license was issued the same day). The 1736 survey of "The Proprietary's Mannor" (later named Lowther Manor) by Edward Smout located the Priest and Ashton cabins on the south side of the Yellow Breeches. The hills to the south of the Yellow Breeches were later named the "Priest Hills" in Scull's 1770 map of Pennsylvania. David Priest is the first person to get legal title and to settle along the Yellow Breeches.

With the rapid settlement of the west banks of the Susquehanna River, the need for improved government developed. York County was established in late 1749 and several months later, in January 1750, Cumberland County was formed, both being carved out of Lancaster County.

The enabling legislation provided for representatives from the two Counties to meet and establish the common boundary line. A dispute quickly arose, as the Cumberland County representatives wanted the line to start at a point of the Susquehanna River opposite the mouth of the Swatara Creek and run along the ridge of the South Mountain, while the York representatives claimed it should follow the Yellow Breeches Creek. The issue was settled by an act passed on February 9, 1751, which established that the line should follow the Yellow Breeches from its mouth at the Susquehanna River to the mouth of Dogwood Run, and thence by a straight line to the ridge of South Mountain.

The new settlers needed lumber to build homes and mills to grind their grains. The Yellow Breeches was an obvious source of power for new mills. Since building permits and stream encroachment permits weren't required, there are no records of when the first mills were constructed. Tax assessment lists were usually the first record of each mill. The first such records in Allen Township, Cumberland County was for the year 1766.

Five property owners are listed as owning mills:

John Anderson - fulling mill  
William Hammersley - saw mill  
Hugh Laird - grist mill & saw mill  
Robert Rosebury - grist mill & saw mill  
Ralph Whiteside - grist mill & saw mill

Legend has it that William Brooks, who came from Ireland in 1740 and squatted on 180 acres along the Yellow Breeches in what is now Lower Allen Township, built a house and mill between 1745 and 1750 on land that he did not have title to until 1794. Although he had made the improvements, the proprietors compelled him to pay the improved valuation when it was conveyed to him. This explains why he was not on the 1766 tax lists.

Further upstream, the following were known to have mills about in the 1760's or earlier.

Glen Allen Mill/ Lantz  
Roger Cook  
Craigshead  
Michael Ege

The earliest known mill information pertains to a corn mill on the Cedar Run just above its mouth on the Yellow Breeches in what is now called Milltown or Eberly Mills. Benjamin Chambers, founder of Chambersburg, was granted a “corn mill and a plantation of 300 acres” by Thomas Penn for providing the leadership that stopped Cresap and the Marylanders in their intrusion into Pennsylvania. In one version, Chambers, a millwright, offered to build a corn mill, but since Penn offered him title to the land and mill, it must have then existed in 1736. The Land Office later denied Chamber’s claim to the land. This mill was located in Lowther Manor, which was not legally opened for settlement until 1767.

Another confirmation of early mills in Milltown was contained in John Armstrong’s survey of Lowther Manor in 1765. The plan notes “Mill seate” on proposed lot #11, which contains Cedar Run and its mouth on the Yellow Breeches. Surveyors record the facts observed on their field surveys and do not speculate about future land use.

In the book Callapatscink by John R. Miller, first read before the Cumberland County Historical Society in November 1909, there are identifications of 60 mills that existed at various times along the Yellow Breeches and detailed chain of ownership and type of mill for many of them. This includes mills in York and Cumberland Counties. Some of these mill buildings still exist and are used today as warehouses, residences, and the Brooks mill is used by the Mechanicsburg Water Co. as a water filtration facility.

Miller identifies the mills for the following uses:

Grist 13	Furnace 1
Saw 10	Plaster 1
Forge 3	Chopping 1
Oil 4	Iron Works 1
Fulling 3	Unknown 20 (Probably Grist & Saw)
Clover 3	Forge 3

Locating mills by a given name is very difficult because they frequently changed names as the property was sold or the owner died. Many of these mills had dams along the Yellow Breeches or its tributaries to improve the flow through the mill. These initially were wooden or log dams using rock cribs, until concrete was introduced in the late 1800s. The Department of Environmental Protection, Dam Safety Unit lists 12 dams under open permits along the Yellow Breeches. There are other permitted dams on the tributaries.

Those on the Yellow Breeches are as follows:

#### Permit 21-007

New Cumberland, 6' high concrete gravity dam built in 1911 for the West Shore water supply and power for pumping. Constructed for Riverton Water Co. It was located immediately downstream from an old milldam. Still in use.

Permit 21-022

Green Lane Farms, 9' high concrete dam built in 1915 to run the gristmill on the north bank. Constructed for Yellow Breeches Milling Inc. It was located immediately downstream from an old crib dam built by Etter & Shanklin in the late 1800s. No longer in use.

Permit 21-021

Brook's or Spangler's Mill, 8' high gated concrete dam rebuilt in 1911, for power for grist and sawmill. Constructed for Spangler Flour Mills Inc. Replaced crib dam. No longer in use.

Permit 21-004

Boyer or Miller Dam, 10' high concrete dam built in 1908 for water supply. Constructed for Mechanicsburg Gas and Water Co. Still in use.

Permit 21-070

Lisburn, dam built about 1904 for power for flour, grist, cider and saw mills. Probably rebuilt for Jacob and James Kunkel.

Permit 21-077

Rosegarden dam provided power for gristmill and electric lights. McCormick was the 1919 Owner.

Permit 21-083

Williams Grove, a 2' high dam was built in 1919 for improvements of the spring.

Permit 21-086

Brandtville, an old rubble stone dam for generating electricity.

Permit 21-002

Boiling Springs, rebuilt in 1950 for electric generator.

Permit 21-089

Monroe Mill Dam #1, rubble masonry dam for flour and gristmill. Owner Leising.

Permit 21-003

Bucher Estate, rubble dam, formerly owned by Boiling Springs Light and Power. Used to divert water into Children's Lake. In 1998, dam was reported as "Breached" and in disrepair. South Middleton Township considered rebuilding the dam for wetland and bird sanctuary in 1997.

Permit 21-029

One mile north of Mt. Holly Springs, rubble dam used for a flourmill of J. E. Martin. At a number of places along the Yellow Breeches Creek, the flow splits and then later rejoins creating islands of various sizes. About a mile and a half upstream from Boiling Springs, one of the islands is known locally as Island Grove, being a little downstream from Craigshead. This island had very dense undergrowth

affording great shelter for escaped slaves and was used by those in sympathy with their cause as one of the important depots of the Underground Railroad. The slaves were harbored here until opportunity was afforded to move them on northward. From there, they were taken across Sterrett's Gap where they could continue their trek. One of the houses in nearby Boiling Springs was also used as part of the Underground Railroad.

As the population increased, towns and villages began to develop along the Yellow Breeches. Working upstream, they are identified as follows (with the year of beginning, when known).

<b>Town</b>	<b>County</b>	<b>Year</b>
New Cumberland	Cumberland	1814
New Market	York	1807
Lisburn	Cumberland	1765
Bowmansdale	Cumberland	
Grantham	Cumberland	
Williams Grove	Cumberland	
Boiling Springs	Cumberland	1845

The need for drinking water and later sewage disposal to support these communities was provided by the Yellow Breeches. At the present time, there are two dams with water intakes for domestic purpose along the Creek. The Boyer Mill Building and dam (10' high concrete structure) are utilized by the Mechanicsburg Water Company. A modern filter plant is located within the old mill building, which is located in Fairview Township. Further downstream is a 6" high masonry structure, which impounds water for the Riverton Operation of the American Water Company. The plant is also on the south side of the Creek in Fairview Township.

As the quality of life improved, there was increasing need for bridges to end the fording of streams. Some small bridges were erected in the 1700s by Townships, such as the Huntsdale Bridge in what is now Penn Township. During the Bell vs. Drawbaugh hearings in 1883, there was testimony about a footbridge at Eppers Mill being washed out in the spring floods of 1875. There were probably many footbridges across the Yellow Breeches for the convenience of the local inhabitants, which had short duration.

The first recorded bridge over the Yellow Breeches was a wooden bridge connecting New Cumberland with York County. The records are not clear whether the bridge was built in 1792 or was already in existence at that time. Gilbert W. Beckley, the New Cumberland historian, was of the opinion that this first bridge was located close to the present railroad bridge. By 1815, this bridge was replaced.

The County in 1795 for the first time began utilizing county funds for building bridges, which initially were of the stone arch type. The first county bridge to be built on the Yellow Breeches was a five arch stone bridge aligning with Market Street in New Cumberland in 1815. This bridge had a much longer life than the first wood bridge, being washed out in 1889. Since that time, there has been a third (iron) and the present (fourth) bridge.

Three other stone arch bridges were built on the Yellow Breeches by the County during the nineteenth century. All three are still in use at this time. They are:

Boyer Mill Bridge - four arches, 1859

Bryson Bridge - four arches, 1857

Boiling Springs Bridge - three arches, 1854

After the New Cumberland Bridge, the next four erected on the Yellow Breeches were wooden covered bridges, during the period of 1828 to 1850. During the 1850s, several uncovered wooden bridges were erected. Several wood covered bridges were erected on the Yellow Breeches during the 1860s before the County Commissioners took an interest in iron bridges. All of the early iron bridges had to be replaced in their first decade except for the Givlers Bridge on the Yellow Breeches. The next wave of iron bridges was more successful with some of them still in use today (Etters, Bishops, and Gilberts).

Attached to this report is a listing of known bridge sites utilizing the map and identification prepared by Dick Meads in 1935. This basically covers county-built bridges and does not include Commonwealth built bridges on the Pennsylvania Turnpike, the Interstates, and numerous state legislative routes, nor private bridges. Railroad bridges, of which there are several, have not been inventoried.

On the banks of the Yellow Breeches on the Hempt property was an early vacation complex. There were 12 cottages in a line along the stream that were built by people from Harrisburg. Two of these cottages would become year-round homes. They would lease the site from the Hempt's and build their own cottage. A little removed from the line of cottages was another cottage called the Steelton Club, which was used by the young men of Steelton. Next to the Steelton cottage was the ball field, which was used by the Church of God team. The ball games were considered popular local events and drew large crowds. The park had a wooden chute that had water running down it, and the kids would ride sleds down the chute into the Yellow Breeches. There was a swimming area and diving board, a picnic area, a dance pavilion with a nickelodeon for music, but no bands. There was also a dressing and shower building and a refreshment stand.

The author's former secretary told about taking the streetcar with her girlfriend from Harrisburg to the White Hill stop on Hummel Avenue. From there, they would then walk down 18th Street and Creek Road to the Hempt property to spend a weekend. The area at the end of the loop in the stream was also a popular camping site. One of the cottages was relocated from the stream to Lisburn Road opposite the Cedar Road School and still exists, though expanded. Expansion of the business and the Second World War brought an end to the recreational use of the site.

The Yellow Breeches Creek in the last century (and presumably always) has been noted for its water quality and aquatic life. The fish are only part of the system of fauna that includes 150 kinds of birds, reptiles, amphibians and mammals. Numerous favorable factors in addition to the fauna contributed to the Yellow Breeches Creek being designated in 1993 as part of Pennsylvania Scenic Rivers System. The reach of 5½ miles from Spangler's Mill to the Susquehanna River is classified as "recreational area" and

the upstream portion is classified as “pastoral” meaning that the views from the banks are primarily farmland.

Sources:

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- 1993 Lower Allen Township
- DEP Dam Safety Unit Dam Permit Files
- Egle, W.H. 1883 History of Dauphin Co.
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- Royes, Mrs. Harry 1932 Blunston’s Licenses, Published in Genealogical Society of Pa. Vol. XI, 1932
- Rupp, I Daniel 1846 History and Topography of Dauphin, Cumberland Counties
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## CALLAPATSCINK

I romp'd on the banks in my boyhood  
I bathed in thy pure silv'ry stream  
Where the birch bark canoes of the red man,  
Once flash'd, in the bright rosy beam,  
Of the sun, on the swift flowing waters.  
While the wild deer would come there to drink;  
Yes, -I've dream'd on the banks of the maidens  
who were wooed on the Callapatscink.  
Here the brave of the past had his wigwam,  
Here he sleeps his last sleep on the hill,  
With his bow and his stone-pointed arrows,  
His wampum and beads with him still,  
Yet the waters on which he disported,  
In search of the deer on the brink,  
Roll on-singing dirges of sorrow  
For the braves of the Callapatscink.  
On the hill 'neath the boughs of the thorn-bush  
The bones of the red men were laid,  
Yet the spirit moans out on the night wind  
A response to the sighs of the maid  
That he loved, wooed and won by the camp-fire-  
As her cheek flushed the tints of the pink.  
They are gone! And the places that knew them  
Are here, -on the Callapatscink  
Yes, the red man has gone, and thy waters  
Still laughingly rush to the seas,  
And the that he gave thee- forgotten,  
With the lithe dusty maidens, and trees  
That shaded the banks, when they roved here,  
And gathered bright flowers on the brink,  
Now the white man has harness'd thy waters  
No longer the Callapatscink  
The white man enslav'd the swift rapids  
And has forced them to work in the mill-  
But thy braves were not conquered, - but broken-  
And their dust is at rest on the hill;-  
While their spirits-reposing in cloud-land-  
Gazing sadly down over the brink  
Of the storm clouds that hover above thee,  
Wave adieu to the Callapscink.  
Now, the sons of the whites who enslav'd thee,  
Are searching thy shores for a trace  
Of the homes, -and the deeds, -of a nation  
That here was the dominant race;

But the story is sunk in tradition,  
We find here and there a short link  
Of truth, -mong the many last fragments  
Of the tale of the Calapascink  
We find here a stone pointed arrow,  
A thorn-bush that marks a lone grave,  
A cave in the rock with crude tracings,  
And the stone ax of some warlike brave;  
The wigwam's long fallen in ruins,  
On its site we can ponder,-and think  
Of the squaws and the braves, and the children,  
Who once lived on the Callapatscink.  
By Dr. W.B. Bigler  
Of Dallastown, Pa.

Published 1909

**APPENDIX D**  
**PENNSYLVANIA FISH AND BOAT COMMISSION**  
**STREAM SURVEYS**

Fish species occurrence/fish collected from YELLOW BREECHES CK  
 Section 2, 07E. Current Section date 7/1/1978. This list reflective  
 of all sites surveyed through time.

Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROOK TROUT	SALVELINUS FONTINALIS
BROWN BULLHEAD	AMEIURUS NEBULOSUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
CHAIN PICKEREL	ESOX NIGER
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
FATHEAD MINNOW	PIMEPHALES PROMELAS
GOLDEN SHINER	NOTEMIGONUS CRYSOLEUCAS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
MARGINED MADTOM	NOTURUS INSIGNIS
MOTTLED SCULPIN	COTTUS BAIRDI
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTFIN SHINER	CYPRINELLA SPILOPTERA
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI
YELLOW BULLHEAD	AMEIURUS NATALIS

Fish collected from YELLOW BREECHES CK at site rivermile 43.5 with Site Latitude 400617 Longitude 771932 using Electrotowboat gear. Site established 7/28/1980 by Fisheries Management Area 7. This site is currently located within Section Number 2, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
CHAIN PICKEREL	ESOX NIGER
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
LONGNOSE DACE	RHINICHTHYS CATARACTAE
MOTTLED SCULPIN	COTTUS BAIRDI
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
ROCK BASS	AMBLOPLITES RUPESTRIS
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI
YELLOW BULLHEAD	AMEIURUS NATALIS

Fish collected from YELLOW BREECHES CK at site rivermile 40.1 with Site Latitude 400644 Longitude 771608 using Electrotowboat gear. Site established 7/28/1980 by Fisheries Management Area 7. This site is currently located within Section Number 2, 07E

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Common Name	Scientific Name
BLUEGILL	LEPOMIS MACROCHIRUS
BROWN TROUT	SALMO TRUTTA
CHAIN PICKEREL	ESOX NIGER
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
MOTTLED SCULPIN	COTTUS BAIRDI
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 38.2 with Site Latitude 400709 Longitude 771446 using Electrotowboat gear. Site established 7/24/1980 by Fisheries Management Area 7. This site is currently located within Section Number 2, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BROWN TROUT	SALMO TRUTTA
CHAIN PICKEREL	ESOX NIGER
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
ROCK BASS	AMBLOPLITES RUPESTRIS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 36.3 with Site Latitude 400719 Longitude 771339 using Electrotowboat gear. Site established 7/24/1980 by Fisheries Management Area 7. This site is currently located within Section Number 2, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BROOK TROUT	SALVELINUS FONTINALIS
BROWN TROUT	SALMO TRUTTA
CHAIN PICKEREL	ESOX NIGER
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
ROCK BASS	AMBLOPLITES RUPESTRIS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 35.7 with Site Latitude 400734 Longitude 771310 using Electrotowboat gear. Site established 7/24/1980 by Fisheries Management Area 7. This site is currently located within Section Number 2, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BROWN TROUT	SALMO TRUTTA
CHAIN PICKEREL	ESOX NIGER
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
FATHEAD MINNOW	PIMEPHALES PROMELAS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 33.6 with Site Latitude 400815 Longitude 771132 using Electrotowboat gear. Site established 7/28/1980 by Fisheries Management Area 7. This site is currently located within Section Number 2, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
CHAIN PICKEREL	ESOX NIGER
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTFIN SHINER	CYPRINELLA SPILOPTERA
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 32.3 with Site Latitude 400848 Longitude 771022 using Electrotowboat gear. Site established 7/29/1980 by Fisheries Management Area 7. This site is currently located within Section Number 2, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BROWN BULLHEAD	AMEIURUS NEBULOSUS
BROWN TROUT	SALMO TRUTTA
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
MARGINED MADTOM	NOTURUS INSIGNIS
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI
YELLOW BULLHEAD	AMEIURUS NATALIS

Fish collected from YELLOW BREECHES CK at site rivermile 30.9 with Site Latitude 400817 Longitude 770856 using Electrotowboat gear. Site established 7/29/1980 by Fisheries Management Area 7. This site is currently located within Section Number 2, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN TROUT	SALMO TRUTTA
CHAIN PICKEREL	ESOX NIGER
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
GOLDEN SHINER	NOTEMIGONUS CRYSOLEUCAS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTFIN SHINER	CYPRINELLA SPILOPTERA
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI
YELLOW BULLHEAD	AMEIURUS NATALIS

Fish species occurrence/fish collected from YELLOW BREECHES CK  
Section 3, 07E. Current Section date 7/1/1978. This list reflective  
of all sites surveyed through time.

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Common Name	Scientific Name
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROOK TROUT	SALVELINUS FONTINALIS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
CHAIN PICKEREL	ESOX NIGER
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PALOMINO TROUT	NONE
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 27.9 with Site Latitude 400857 Longitude 770640 using Electrotowboat gear. Site established 7/30/1980 by Fisheries Management Area 7. This site is currently located within Section Number 3, 07E

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Common Name	Scientific Name
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROOK TROUT	SALVELINUS FONTINALIS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
CHAIN PICKEREL	ESOX NIGER
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PALOMINO TROUT	NONE
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish species occurrence/fish collected from YELLOW BREECHES CK  
Section 4, 07E. Current Section date 7/1/1978. This list reflective  
of all sites surveyed through time.

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN BULLHEAD	AMEIURUS NEBULOSUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
CHAIN PICKEREL	ESOX NIGER
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
FANTAIL DARTER	ETHEOSTOMA FLABELLARE
GOLDEN SHINER	NOTEMIGONUS CRYSOLEUCAS
GREEN SUNFISH	LEPOMIS CYANELLUS
LARGEMOUTH BASS	MICROPTERUS SALMOIDES
LONGNOSE DACE	RHINICHTHYS CATARACTAE
MARGINED MADTOM	NOTURUS INSIGNIS
MOTTLED SCULPIN	COTTUS BAIRDI
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
REDBREAST SUNFISH	LEPOMIS AURITUS
RIVER CHUB	NOCOMIS MICROPOGON
ROCK BASS	AMBLOPLITES RUPESTRIS
ROSYFACE SHINER	NOTROPIS RUBELLUS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTFIN SHINER	CYPRINELLA SPILOPTERA
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
SWALLOWTAIL SHINER	NOTROPIS PROCNE
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI
YELLOW BULLHEAD	AMEIURUS NATALIS

Fish collected from YELLOW BREECHES CK at site rivermile 26 with Site Latitude 400828 Longitude 770521 using Electrotowboat gear. Site established 8/4/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 23.2 with Site Latitude 400850 Longitude 770252 using Electrotowboat gear. Site established 7/23/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BROWN TROUT	SALMO TRUTTA
CHAIN PICKEREL	ESOX NIGER
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
GREEN SUNFISH	LEPOMIS CYANELLUS
LARGEMOUTH BASS	MICROPTERUS SALMOIDES
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
REDBREAST SUNFISH	LEPOMIS AURITUS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 20.5 with Site Latitude 400903 Longitude 770022 using Electrotowboat gear. Site established 7/23/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
CHAIN PICKEREL	ESOX NIGER
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LARGEMOUTH BASS	MICROPTERUS SALMOIDES
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
REDBREAST SUNFISH	LEPOMIS AURITUS
ROCK BASS	AMBLOPLITES RUPESTRIS
ROSYFACE SHINER	NOTROPIS RUBELLUS
SHIELD DARTER	PERCINA PELTATA
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
SWALLOWTAIL SHINER	NOTROPIS PROCNE
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 19.4 with Site Latitude 400915 Longitude 765909 using Electrotowboat gear. Site established 7/22/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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<b>Common Name</b>	<b>Scientific Name</b>
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
CHAIN PICKEREL	ESOX NIGER
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 16 with Site Latitude 400956 Longitude 765709 using Electrotowboat gear. Site established 7/22/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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<b>Common Name</b>	<b>Scientific Name</b>
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
FANTAIL DARTER	ETHEOSTOMA FLABELLARE
LONGNOSE DACE	RHINICHTHYS CATARACTAE
MOTTLED SCULPIN	COTTUS BAIRDI
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
ROCK BASS	AMBLOPLITES RUPESTRIS
ROSYFACE SHINER	NOTROPIS RUBELLUS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 14.1 with Site Latitude 400945 Longitude 765509 using Electrotowboat gear. Site established 8/1/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LARGEMOUTH BASS	MICROPTERUS SALMOIDES
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 13 with  
Site Latitude 401010 Longitude 765430 using Electrotowboat gear.  
Site established 7/22/1980 by Fisheries Management Area 7. This site  
is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
MOTTLED SCULPIN	COTTUS BAIRDI
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 11.8 with Site Latitude 401050 Longitude 765534 using Electrotowboat gear. Site established 8/1/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN TROUT	SALMO TRUTTA
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
RAINBOW TROUT	ONCORHYNCHUS MYKISS
ROCK BASS	AMBLOPLITES RUPESTRIS
SHIELD DARTER	PERCINA PELTATA
SPOTFIN SHINER	CYPRINELLA SPILOPTERA
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
WHITE SUCKER	CATOSTOMUS COMMERSONI
YELLOW BULLHEAD	AMEIURUS NATALIS

Fish collected from YELLOW BREECHES CK at site rivermile 10.1 with Site Latitude 401109 Longitude 765445 using Electrotowboat gear. Site established 8/1/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
GREEN SUNFISH	LEPOMIS CYANELLUS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
ROCK BASS	AMBLOPLITES RUPESTRIS
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 7.4 with Site Latitude 401208 Longitude 765535 using Electrotowboat gear. Site established 7/21/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN TROUT	SALMO TRUTTA
COMMON CARP	CYPRINUS CARPIO
COMMON SHINER	LUXILUS CORNUTUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
GREEN SUNFISH	LEPOMIS CYANELLUS
LONGNOSE DACE	RHINICHTHYS CATARACTAE
MARGINED MADTOM	NOTURUS INSIGNIS
MOTTLED SCULPIN	COTTUS BAIRDI
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
ROCK BASS	AMBLOPLITES RUPESTRIS
ROSYFACE SHINER	NOTROPIS RUBELLUS
SHIELD DARTER	PERCINA PELTATA
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 6.3 with  
Site Latitude 401222 Longitude 765456 using Electrotowboat gear.  
Site established 7/21/1980 by Fisheries Management Area 7. This site  
is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLACKNOSE DACE	RHINICHTHYS ATRATULUS
BLUEGILL	LEPOMIS MACROCHIRUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
CENTRAL STONEROLLER	CAMPOSTOMA ANOMALUM
COMMON SHINER	LUXILUS CORNUTUS
CREEK CHUB	SEMOTILUS ATROMACULATUS
CUTLIPS MINNOW	EXOGLOSSUM MAXILLINGUA
FALLFISH	SEMOTILUS CORPORALIS
NORTHERN HOG SUCKER	HYPENTELIUM NIGRICANS
PUMPKINSEED	LEPOMIS GIBBOSUS
REDBREAST SUNFISH	LEPOMIS AURITUS
ROCK BASS	AMBLOPLITES RUPESTRIS
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTFIN SHINER	CYPRINELLA SPILOPTERA
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI
WHITE SUCKER	CATOSTOMUS COMMERSONI

Fish collected from YELLOW BREECHES CK at site rivermile 0.4 with Site Latitude 401315 Longitude 765142 using Day Electroboat gear. Site established 8/5/1980 by Fisheries Management Area 7. This site is currently located within Section Number 4, 07E

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Common Name	Scientific Name
BLUEGILL	LEPOMIS MACROCHIRUS
BLUNTNOSE MINNOW	PIMEPHALES NOTATUS
BROWN BULLHEAD	AMEIURUS NEBULOSUS
COMMON SHINER	LUXILUS CORNUTUS
FALLFISH	SEMOTILUS CORPORALIS
GOLDEN SHINER	NOTEMIGONUS CRYSOLEUCAS
GREEN SUNFISH	LEPOMIS CYANELLUS
LARGEMOUTH BASS	MICROPTERUS SALMOIDES
PUMPKINSEED	LEPOMIS GIBBOSUS
REDBREAST SUNFISH	LEPOMIS AURITUS
RIVER CHUB	NOCOMIS MICROPOGON
ROCK BASS	AMBLOPLITES RUPESTRIS
SMALLMOUTH BASS	MICROPTERUS DOLOMIEUI
SPOTTAIL SHINER	NOTROPIS HUDSONIUS
TESSELLATED DARTER	ETHEOSTOMA OLMSTEDI

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**APPENDIX E**

**PUBLIC AND MUNICIPAL COMMENTS**

## **APPENDIX E – PUBLIC AND MUNICIPAL COMMENTS**

Following is a summary of public and municipal comments received during the 30-day review period. Responses and solutions to the comments are included where applicable.

## PA DCNR (Terry Hough)

The final plan *must* include the following citation on the inside front cover: “This project was financed in part by a grant from the Community Conservation Partnerships Program, Rivers Conservation Program, under the administration of the Pennsylvania Department of Conservation and Natural Resources, Bureau of Recreation and Conservation.”

*Resolution: Statements added as described.*

Are there any landfills within the Yellow Breeches watershed? If so, what impact do they have on the water quality and groundwater of the watershed?

*Resolution: Locations of landfills researched in depth, and no specific information available. Statement added to this effect.*

Erosion and Sedimentation – Page B-8 – 1<sup>st</sup> full paragraph – second to last sentence – I recommend that the sentence that contains the reference to reduce the number of cows as an agricultural best management practice be eliminated.

*Resolution: Sentence deleted as recommended.*

Threatened and Endangered Species – Page B-33 – County Natural Area Inventory (NAI) information should be incorporated within this section of the Plan.

*Resolution: NAI information added as recommended.*

Page C-1 – The Northern York Region Water Resources Protection Plan should be mentioned as a project.

*Resolution: Information on the Northern York Region Water Resources Protection Plan added as recommended.*

Public Meetings – Page D-7 – Were the public meetings held for the watershed assessment also done as part of the RCP process or were separate meetings held for the RCP?

*Resolution: Statements added as recommended.*

Land Resources – Page E-3 – third recommendation – Develop watershed wide cleanup days. – You may want to consider coordinating with PA Cleanways on this effort.

*Resolution: PA Cleanways integrated into recommendation as described.*

Water Resources – Page E-4 – second recommendation – Support initiatives planned by the Pennsylvania Environmental Council (PEC) – I would retain this recommendation, but I would identify *specific* support initiatives that can benefit the watershed. However, Coldwater Conservation Plans are a plan that have been developed by the Coldwater Partnership Initiative and are managed by Deb Nardone of Pennsylvania Trout, Inc. PEC happens to be the grantee of the Cedar Run Coldwater Conservation Plan. Most of the funding for this initiative comes from DCNR’s Rivers Conservation Program. DCNR, PA Fish and Boat Commission, Canaan Valley Institute and Pennsylvania Trout are partners in the Pennsylvania Coldwater Partnership Initiative.

***Resolution: PEC was contacted to determine further specific PEC initiatives planned within the Yellow Breeches Creek Watershed. The Cedar Run Cold Water Conservation Plan is currently the only proposed PEC initiative. Statement added to this effect.***

Water Resources – Page E-4 – between second and third recommendations – I would add the following management option: - Develop Coldwater Conservation Plans for coldwater sub-watersheds within the Yellow Breeches Watershed. According to Deb Nardone, possible candidates for the Coldwater Conservation Plan are: sections of Mountain Creek, Old Town Run, Tom’s Run, Trout Run and an unnamed trib to Fishing Creek.

***Resolution: Management option added as described.***

Water Resources – Page E-5 – seventh recommendation – Develop a program to inventory riparian buffers in the watershed. Biological Resources – Page E-5 – fourth recommendation – Identify riparian buffers in the major drainage areas of the watershed. – I would merge both recommendations together under water resources and recommend that the riparian buffers inventory be included as part of a riparian buffer management study that describes where the buffers are needed throughout the watershed and what types of buffers are needed.

***Resolution: Recommendations merged as described.***

Biological Resources – Page E-5 – first recommendation – Develop specific programs to preserve ecological and visual amenities in the watershed. – This recommendation is too general. Either eliminate it or contact DCNR’s Office of Conservation Science about possible programs to include as part of this recommendation.

***Resolution: DCNR was contacted and current program specifics were added to this recommendation.***

Cultural Resources – Page E-6 – second recommendation – Develop improved access areas – You may want to suggest that an access strategy study be developed for the watershed and, within that study, the access areas would be identified.

*Resolution: Statement added as described.*

Cultural Resources – Page E-6 – third and fourth recommendations – Increase active and passive recreational opportunities within the Watershed – Are there any specific opportunities that you would like to add to the recommendations?

*Resolution: Statements added as described.*

## YORK COUNTY PLANNING COMMISSION

The second to last sentence of the first full paragraph states reducing a cow heard is the best way to protect the Yellow Breeches. Proper pasture and grazing practices, as well as other agricultural BMPs, could protect the stream without necessarily reducing the herd size. Page B-8.

***Resolution: Updated statement as suggested by Terry Hough at DCNR.***

Last paragraph of the analysis states Fishers Run is impaired. Table B.5 does not include Fishers Run as being impaired. Page C-57.

***Resolution: Added entry to table as described.***

In the Threatened and Endangered Species section starting on B-33, no mention of the Natural Area Sites which are described in the Countys' NAI's are included. See York County Comprehensive Plan Natural Areas Inventory Component. These sites would be very beneficial for watershed planning purposes. Page B-33.

***Resolution: Added natural areas inventory information.***

Second paragraph under "Land Use"...an effort should be made to obtain land use control information for Cooke and South Newton Townships. Typically, the County Planning Office can provide this type of information. If they don't have zoning, it should be stated as such in the Plan. Table B.20 seems to be incomplete with N/A for these 2 municipalities. Also, other land use controls such as subdivision and land development ordinances, stowmwater management ordinances, and floodplain ordinances should be addressed. Page B-44

***Land use information already discussed at great length during previous meetings; optimal solution already in place. Efforts to obtain specific information from Cooke and South Newton Townships were unsuccessful. Discussion of other controls as described above is beyond the scope of this project. Resolution: None required.***

Table B.19 would be more valuable if General land use designations could be developed for each municipality so better comparisons could be made between these municipalities. At the very least, definitions of the land uses should be included (i.e., what does "Exempt" mean) and the sources of the information should be noted. Page B-45.

***Land use information already discussed at great length during previous meetings; optimal solution already in place. Definitions on Table B.19 are self-explanatory. Resolution: Added footnote describing only the term "exempt".***

First full paragraph discusses related project; however, there is no mention of the Northern York Region Water Resources Protection Plan Project that includes the Yellow Breeches Watershed in Carroll, Monaghan, and Franklin Townships, and Dillsburg and Franklinton Boroughs. Page C-2.

***Resolution: Added statement as described.***

Paragraph states “the final plan should be workable and user friendly”; isn’t this draft intended to become the final plan once comments are addressed? Also, the last 2 paragraphs on this page insinuate the fact that the plan’s analysis recommends that future planning should identify funding opportunities, BMPs, public involvement, strategies and policies that need to be developed. It is our understanding that one of the primary purposes of an RCP is to accomplish these tasks and prioritize recommendations to be implemented. As such, municipalities that adopt the plan should be able to open this plan and say, “Dogwood Run for example, needs riparian buffers along this reach and Growing Greener Funding Grants are available for us to IMPLEMENT this recommendation”.

**Specifics as described in this comment are beyond the scope of this project. The RCP is a planning document that provides general guidance to the user. Specific funding options, policies, etc. can be developed as the plan is implemented. Resolution: None required.**

Management Options and Strategies...this section contains very basic strategies that are pertinent to any watershed or any project for that matter. The first sentence on page E-2 even suggests that someone should assess how the watershed has been impacted by increasing population. It is our understanding that part of this project included funding for a watershed assessment that would have completed such an assessment. This plan needs to suggest and prioritize specific fixes to what this project’s assessment revealed.

**Population was considered as part of this plan and relevant census data was included. Developing specific solutions to problems resulting from the growing population and urbanization are beyond the scope of this project. Resolution: None required.**

A short-term goal of this project, as stated, is to develop a comprehensive plan not just an inventory. The second paragraph on this page also states that specific management options and strategies were developed to protect and conserve valuable resources within the watershed. However, the Recommendations and Strategies for Water Resources on page E-4 do not even mention Act 167 Planning. Although the plan suggests that streambank stabilization and habitat projects be developed (which is good), it does not identify the banks or areas that need these projects which is important and necessary for implementation purposes.

**Act 167 Plans are discussed in strategy 3.2 on page E-18. Specific recommendations as described above (identifying specific streambanks, etc.) are beyond the scope of this planning document. Resolution: None required.**

Page E-5 recommends developing a program to inventory riparian buffers. Also, it suggests identifying invasive species trouble spots. Overall, this plan should have inventoried, mapped, and delineated this data.

**Detailed delineation and inventory of specific features is beyond the scope of this planning document. Resolution: Update made to riparian buffer strategy per comment provided by Terry Hough at DCNR.**

The implementation chart is too general and reiterates many regulations required by existing law. The Farm-A-Syst and Home-A-Syst action items are good and could be valuable in promoting this watershed's health. Specific recommendations for access areas, restoration project sites, etc. would be helpful for municipal planners.

**Specific locations for projects can be developed as the plan is implemented. Developing specifics related to projects is beyond the scope of this planning document. Resolution: None required.**

Strategy 2.3 recommends the publication "Best Management Practices for Pennsylvania's Forests" in an educational information packet. It would be beneficial to identify where this publication can be obtained.

**Resolution: Added statement to report.**

There is not a very clear tie between the watershed assessment and this RCP. What did the data from the assessment reveal? What did analysis of this data conclude should be done to protect the Yellow Breeches? More importantly...where does it need to be done?

**Statements within both documents describe the relationship between the WA and the RCP. Data from the WA was used to develop the RCP. Impairments were described and ranked in the WA. BMPs, management options, etc. based on the impairments were developed. Developing precise locations to implement BMPs and strategies are beyond the scope of this planning document. Resolution: None required.**

There are numerous computer output-printer errors throughout the document (i.e. symbols in place of letter, letters/numbers superimposed, etc.) that should be corrected. In particular, take note of the first full paragraph on page C-2.

**No errors as described are evident in the report. User may have been viewing document in older version of Adobe Acrobat Reader. Resolution: None required.**

**BILL APGAR (on behalf of CAPSEC/EASI)**

Some of the CAPSEC monitoring sites need some tweaking, since they are not exactly where they are shown on the map. Possibly our calculation of stream mile index values was slightly different than yours. But the sites are where we know they are, irrespective of their SMIs. I've indicated the adjustments on the attached. Possibly we need a clarification to the reader that wherein there seems to be a conflict between a stated SMI value (for both EASI and your sites) that the actual map location takes precedent. I've asked Bob Tate to check his locations against those shown in your upper watershed concerns map. His one site obviously has an incorrect SMI, since it would put the site in the vicinity of McCormick Rd/Messiah College.

***Resolution: Updated EASI locations as described.***

Should the report and the maps show locations of test results from other sampling entities including DEP, EPA and USGS? There is a brief mention of a USGS site on Cedar Run.

**Implementation of this comment would be complex and costly, resulting in considerable revisions to the map. *Resolution: None required.***

On page C-56, there is a brief notation of the DEP attainment/non-attainment process. Would it be worth giving a more complete explanation of exactly how this is done (how many test sites, how often, over what time period)? What concerns me is that the areas in which our testing, as well as yours, fails to substantiate the DEP decision. One reason that the lower portion of Dogwood Run is declared to be in non-attainment is due to reduced dissolved oxygen levels, yet all of our measurements as well as yours in Table D.3 show satisfactory DO levels. Table B.5 indicates pH (low) values as being the only "culprit" for declaring most of the upstream tributaries as non-attainment. Again, this is not reflected in your pH values, which (another issue) are consistently well above the EASI values (which do support a pH problem). The Department's obligation is bringing non-attainment areas into attainment and should also form a strong basis for future actions by the YBWA.

**Data collected in the WA was collected only in one location along the respective reach on a single date, greatly reducing the ability to discern trends, etc. similar to what is available in the DEP data. *Resolution: Added general statement.***

In those areas of the report where there is a description of stream bank conditions, it should be noted that this is based on looking downstream, as I presume it was. EASI does their evaluations looking upstream.

***Resolution: Added statement as described.***

SMI problem with Craighead. She is definitely between Ashford (which should be Ashcombe) and Stuart Road.

***Resolution: Corrected misspelling and updated the SMI value as described.***

At the bottom of Table D.8 on page D-26 and in keeping with my earlier thoughts on DEP attainment/non-attainment procedures and what could be discrepancies with EASI or your data, the footnote might warrant expansion to indicate that our data is also not utilized in helping DEP reach their attainment/non-attainment decision.

**Current footnote is clear as it stands. To alter the footnote consistently throughout would require changing the footnotes on the maps. This is not a cost effective revision. Further, Bill Apgar agreed that the footnote does not need updated after all. Resolution: None required.**

Will the final report have a section covering the public/municipal review aspects, including a listing of questions and comments, with the YBWA responses? i.e., a comment and response document.

***Resolution: Added section as described.***

## FAIRVIEW TOWNSHIP

The date for the development of New Market is 1807. Add this information to the appendices.

*Resolution: Added date to Appendix C in RCP.*

Add the following known flooding areas in Fairview Township: Old York Road and Ross Avenue (across from New Cumberland Borough at iron bridge), Old York Road and Lewisberry Road (tributary of Yellow Breeches Creek and stormwater), Green Lane Farms (Yellow Breeches Drive).

*Resolution: Updated flooding problems in appendix.*

## MUNICIPAL MEETING (5/10)

Upper tributaries are impacted by low pH, some 1999 data provided.

*Resolution: Added statement as described.*

Trout Unlimited has liming project in upper sections.

*Resolution: Added statement as described.*

Nature Conservancy has million dollar project planned for South Mountain.

*Resolution: Further researched Nature Conservancy projects and added statement.*

Major problem is lack of group communication on projects.

*Resolution: None required.*

## PUBLIC MEETING (5/10)

Use of weedkiller in stormwater drainage swales at golf course.

***Resolution: None required.***

Question about level of York County involvement.

**York County closely involved throughout development of WA and RCP. *Resolution: None required.***

Noted Cedar Run PEC and alliance efforts.

**PEC efforts described in reports. *Resolution: None required.***

Discussion of erosion control measures to control sediment.

***Resolution: None required.***

Enforcement of tree removal along stream and placing of trees in stream.

***Resolution: None required.***

Questioned the role and function of EAs, local municipal formation.

**Development of EAs included in implementation plan. *Resolution: None required.***

Who should take the lead on the water trail formation? YBWA or municipal?

**Topic briefly discussed at meeting. *Resolution: None required.***

Need for educational seminars on building development related topics.

**Education is a strong component of the RCP. *Resolution: None required.***

Question on WA DEP plan acceptance and RCP DCNR plan recording.

**Acceptance process discussed at meeting. *Resolution: None required.***

Additional sampling and water level monitoring needed?

**No additional monitoring is proposed and is beyond the scope of this project. *Resolution: None required.***

What is the cost of the items presented in the plan?

**Topic discussed at meeting. *Resolution: None required.***

Site specific projects in Cedar Run, Trout Run, and Dogwood Run dependent on funding partnerships and people.

**Value of collaboration on projects discussed at meeting. *Resolution: None required.***

**PFBC**

Add Upland Chorus Frog to species list.

*Resolution: Added species to list.*

**CUMBERLAND COUNTY PLANNING COMMISSION (Stephanie Williams)**

Page A-3. Goals and objectives from this page don't match goal and objectives of implementation chapter. Listing 6 overall goals upfront may help provide plan with more direction and focus. How do the goals reflect the results of the public participation process?

**General goals and objectives are included in the executive summary. Detailed goals and objectives are included in the implementation plan. Resolution: None required.**

Page B-5. Both Class I & II soils are considered "prime", Class III considered "statewide important"  
**Agricultural capability information describing soil classes I to VIII is based on USDA NRCS standards. Resolution: None required.**

Page B-33. Recommend including Natural Area Inventory results for Cumberland. Map of sites would be helpful. NAI sites should be high priority for preservation  
**Resolution: Natural Area Inventory information added to report.**

Page B-39. Suggest including 913 acre Mt. Holly Preserve under parks/preserves.  
**The Mount Holly Preserve is described in the wetlands section of the report. Resolution: None required.**

Page B-42. Plan references a conceptual trail plan submitted to Cumberland County. Not exactly accurate. Lower Allen was considering submitting a PennDOT TE grant for the trail and the County planning staff was assisting Lower Allen with the grant application. Ultimately, the application goes to PennDOT not the County for approval.  
**Resolution: Provided clarification to statement.**

Recommend incorporating 2000 Countywide Greenway Study into the plan. YB, Hiker-Biker/Mountain Creek, AT, Trolley Line/Trindle Spring all identified as a regional greenway corridors in watershed and targeted for preservation.  
**Reference to greenways included in strategy 4.5 of the implementation plan. Resolution: None required.**

County Comp Plan also recommends preservation measures for 8 greenways. Regional greenways also shown on the county Future Land Use map as a greenway corridor.  
**Reference to greenways included in strategy 4.5 of the implementation plan. Resolution: None required.**

Page B-44. Land use section very brief, despite its significance to issue. All zoning, SALDO and Comp plans are available for review at CCPC office. Cooke Twp - NO zoning, has Comp plan & SALDO ordinance, Be mindful that 92% of Cooke Twp is State Forest. South Newton - Has zoning, Comp plan & SALDO ordinance.

***Resolution: Updated zoning information for Cooke Township and South Newton Township.***

Plan indicates highest priority for preservation is upper watershed. I would recommend priority areas as those with highest development pressure and development potential (i.e. middle to lower watershed).

**Upper watershed was determined to be an overall priority based on data collected and considered in this plan. *Resolution: None required.***

TAB B. Overall, plan includes lots of lists and data, but it weak on analysis or interpretation of data.

**Analysis of included data was completed within the framework of the planning document.**

***Resolution: None required.***

Page E-1. Strategy 4 – give more info...list muni's that need comp plan updates. CCPC has list of dates of comp plans, zoning, saldo ordinances.

**Determination of which plans require updates should be completed as the Rivers Conservation Plan is implemented. *Resolution: None required.***

Page E-2. Strategy 1 - See Tri-County Regional Growth Management Plan for additional info on PGA's and population projections.

***Resolution: Added statement as described.***

Strategy 5 – Seems same as strategy 3 on page E-1.

***Resolution: Merged two strategies as described.***

Strategy 2 – give more info...list Act 537 plans that need updated.

**Determination of which plans require updates should be completed as the Rivers Conservation Plan is implemented. *Resolution: None required.***

Page E-4. Strategy 3 – Potential duplication of work. See Cedar Run Act 167 Stormwater Management Study completed 2001.

**The Act 167 plan can be considered as part of a larger comprehensive management plan for the watershed. *Resolution: None required.***

Strategy 5 –What is the goal here - Are you talking about water quality issues? Any effort must involve PA DCNR.

***Resolution: Added statement as described.***

Strategy 6 – Potential duplication of work to develop an educational program. See DEP website for Educators, Encourage utilization of existing curriculum and activities developed for watersheds by PDE and DEP! See also Project WET, Project WILD, and many others!

***Further description of existing programs is included in the implementation plan. Resolution: None required.***

Page E-5. Strategy 1 & 6 - appear similar.

***Strategies 1 and 6 are similar, although riparian buffer management is a key strategy both in the water and biological resources category. Resolution: None required.***

Strategy 5 - Could be part of water trail guide. Conodoguinet guide provides access info for boaters & fisherman.

***Resolution: Added statement as described.***

Page E-6. Strategy 2-3. Is there adequate amount of parkland in watershed? Recommend referencing Countywide parkland standards (10 acres/1000 population in Comp Plan) and/or draft parkland standard (15 acres/1000 population in Draft Open Space Plan) as a park and recreation goal.

***Detailed parkland standards can be evaluated and considered as the Rivers Conservation Plan is implemented. Resolution: None required.***

Page E-7. Ultimately, all ordinance and plan development is the responsibility of planning commissions & municipal officials. They must be involved to get buy in!

***Resolution: Updated implementation plan as described.***

Page E-12. Recycling programs are a responsibility of municipalities. County solid waste authority can offer technical assistance.

***Resolution: Updated implementation plan as described.***

Page E-16. Reference to Hess Farm – Developer working with Mech Boro to adopt TND ordinance to develop site.

***Resolution: Removed reference to Hess Farm.***

Page E-20. 4.1 – Municipalities responsible for acquisition, development and maintenance of park and rec facilities (i.e. public access). Recommend striking Counties as responsible party. 4-2 – Cumberland County coordinating agency and funding source on water trail project. County should be listed as partner!

***Resolution: Updated implementation plan as described.***

Page E-27. The CCPC staff administers the state farmland preservation program in coordination with the Ag Board. The responsible party should be the County Agricultural Land Preservation Board and CCPC (at least in Cumberland) not Ag Ext. Office. The Cumberland County Board conducts at least one information meeting a year on the program!

***Resolution: Updated implementation plan as described.***

Management Options and Strategies (E-1-6) don't correlate directly with Implementation Plan (E-7-26). This is confusing. I would assume they should directly correlate.

***Management Options and Strategies generally correlate with the implementation plan. Strategies are further described in detail in the implementation plan. Resolution: None required.***

What priorities does the plan establish? How will you prioritize implementation?

***Strategies considered to be of the highest priority are denoted in the implementation plan. Time targets for each strategy are also established in the implementation plan. Resolution: None required.***

Does the plan have a mapping component?

***Associated mapping is included with the Watershed Assessment and Rivers Conservation Plan. Resolution: None required.***