

**Site Results for Group 1 and 2 Streams on the New York-Pennsylvania Border**  
**Apalachin Creek at Little Meadows, PA (APAL 6.9)**

**Group 2**

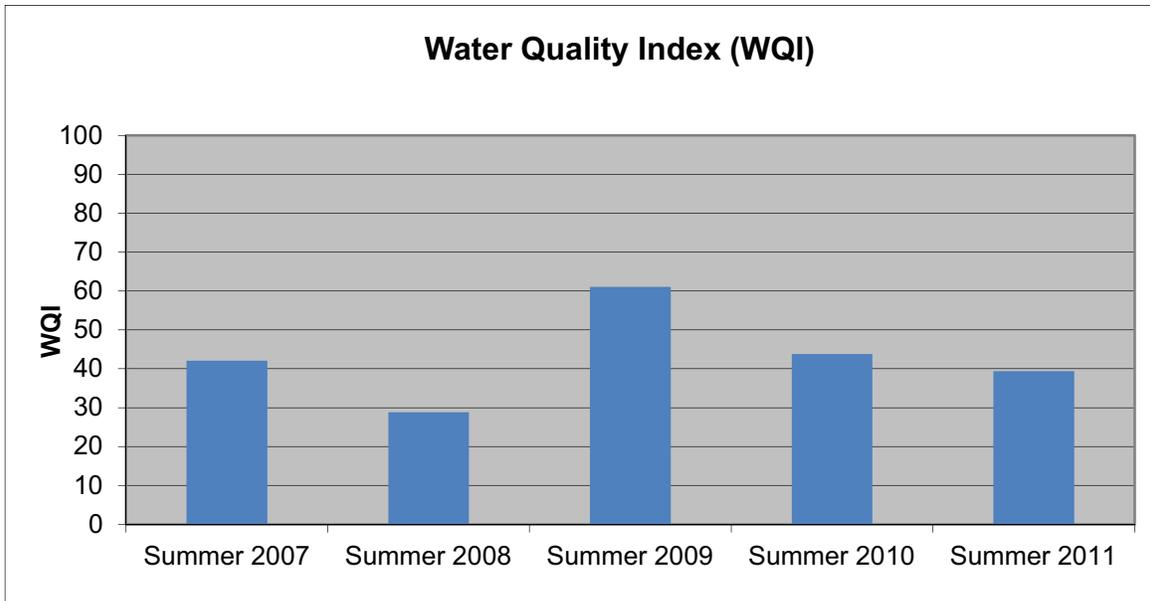


**Habitat Condition:**

Scoring only 85 points out of a possible 220, physical habitat was classified as nonsupporting at APAL 6.9 in 2011. SRBC staff noted excessive sedimentation and poor velocity/depth regimes contributing to the low rating.

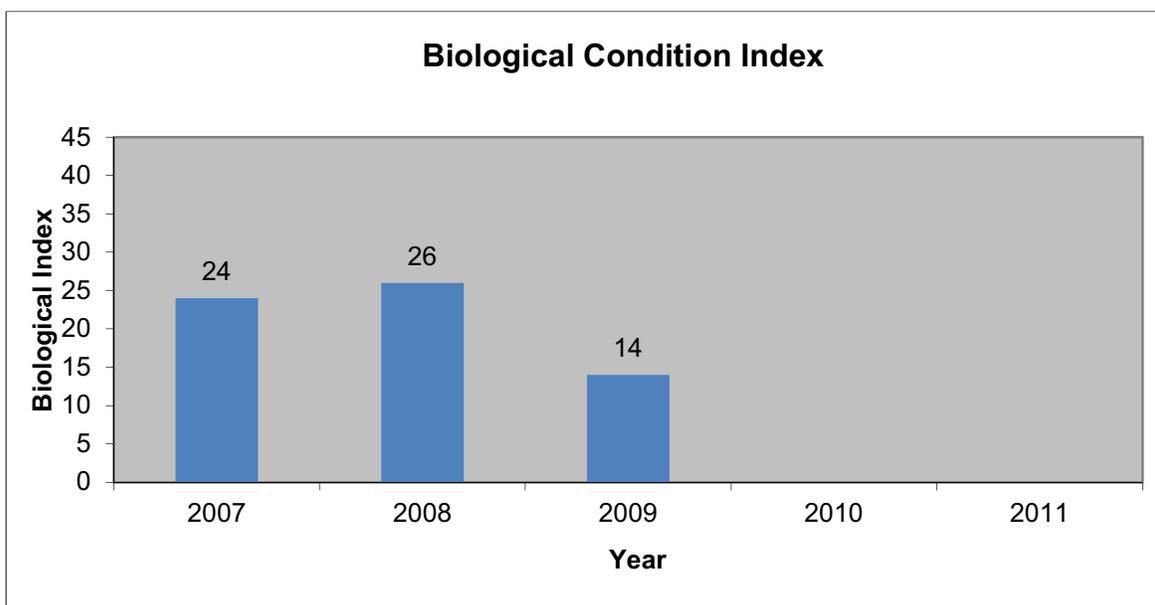
**Water Quality:**

All measured water quality parameters were within accepted limits when tested in 2011.



**Biological Condition:** Macroinvertebrates were not collected at this station in 2011 due to anomalous conditions.

Biological Condition		
Year	Score	Rating
2007	24	Slightly Impaired
2008	26	Slightly Impaired
2009	14	Moderately Impaired
2010	NA	NA
2011	NA	NA



## Bentley Creek at Wellsburg, NY (BNTY 0.9)

### Group 1

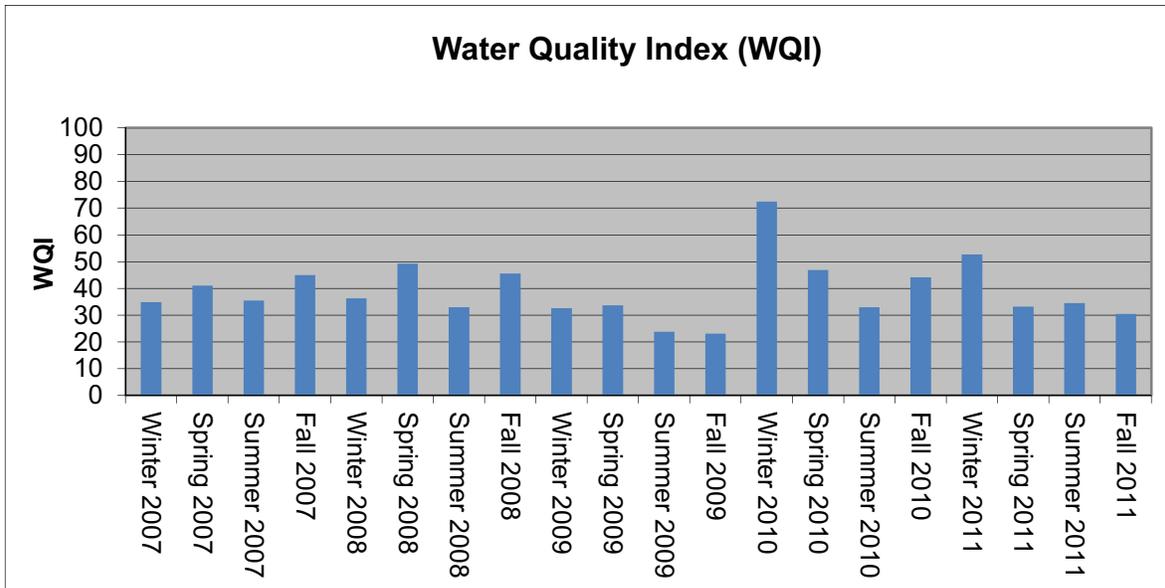


#### **Habitat Condition:**

Scoring 127 out of a possible 220, available physical habitat was rated as partially supporting. Considerable bank erosion and a highly mobile stream channel contributed to the low score.

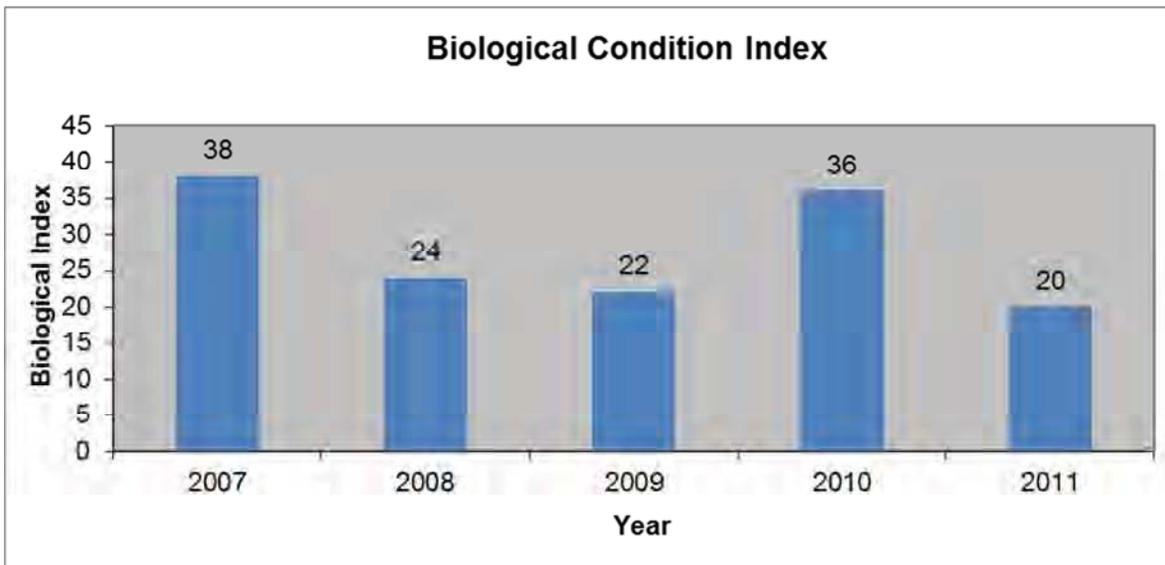
#### **Water Quality:**

Elevated pH measurements recorded during the summer sampling period were outside of accepted limits.



**Biological Condition:** The biological community of BNTY 0.9 was rated as slightly impaired in 2011.

Biological Condition		
Year	Score	Rating
2007	38	Nonimpaired
2008	24	Slightly Impaired
2009	22	Slightly Impaired
2010	36	Nonimpaired
2011	20	Slightly Impaired



## Cascade Creek at Lanesboro, PA (CASC 1.6)

### Group 1

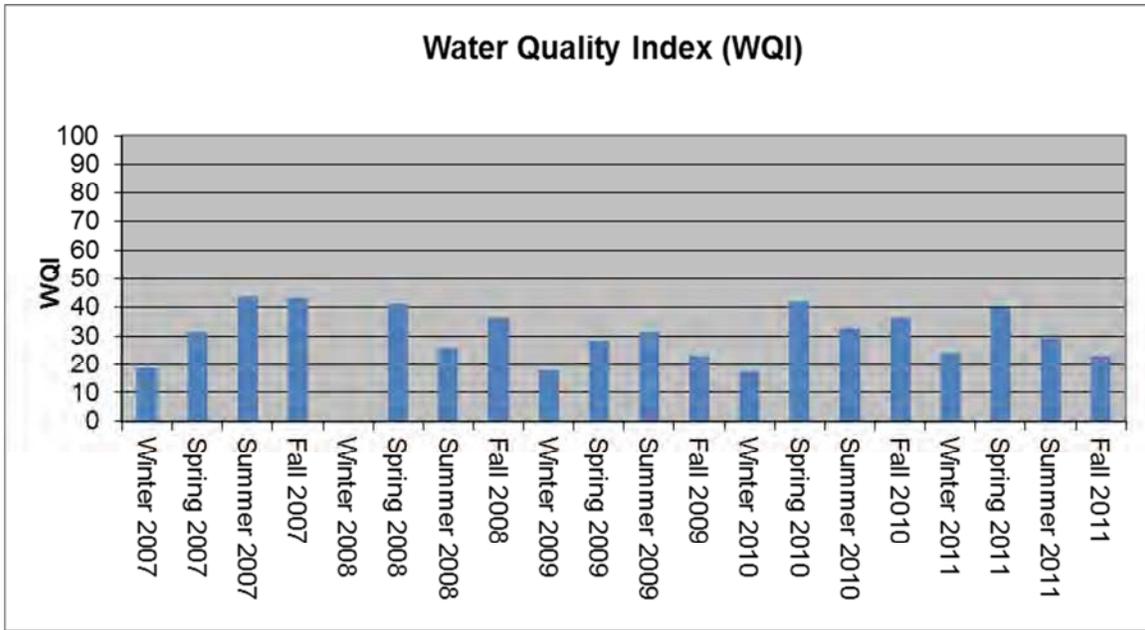


#### **Habitat Condition:**

Scoring 203 out of a possible 220, Cascade Creek's physical habitat received a rating of excellent in 2011. The station received the highest habitat condition score of all interstate sites monitored in the project.

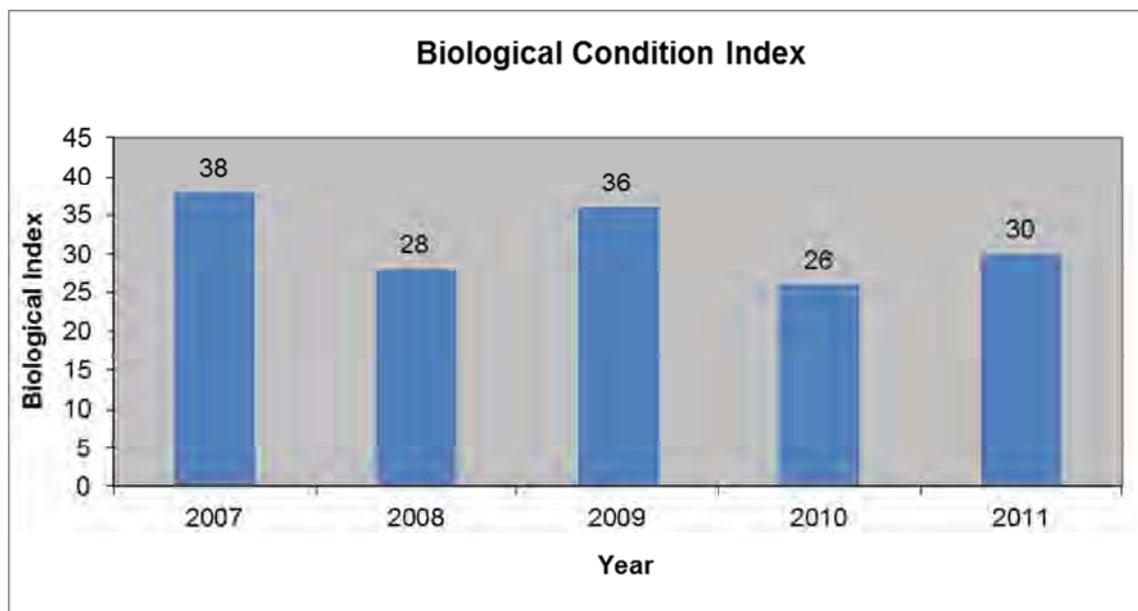
#### **Water Quality:**

A pH measurement of 6.11 was recorded in 2011, falling outside of accepted standards.



**Biological Condition:** CASC 1.6 received a nonimpaired macroinvertebrate community designation in 2011. The station served as the reference site to which all other NY-PA Group 1 and 2 streams were compared.

Biological Condition		
Year	Score	Rating
2007	38	Nonimpaired
2008	28	Slightly Impaired
2009	36	Nonimpaired
2010	26	Slightly Impaired
2011	30	Nonimpaired



## Cayuta Creek at Waverly, NY (CAYT 1.7)

### Group 1

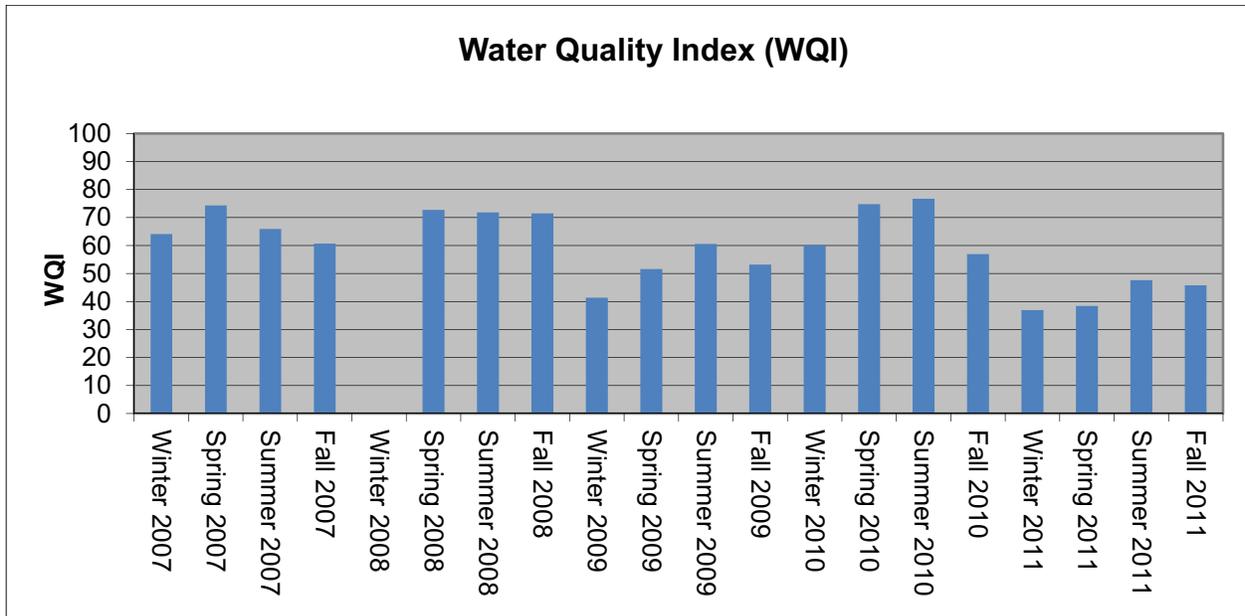


#### **Habitat Condition:**

Scoring 149 out of 220, physical habitat was rated as partially supporting. Surrounding industrial land uses contributed negatively to this assessment.

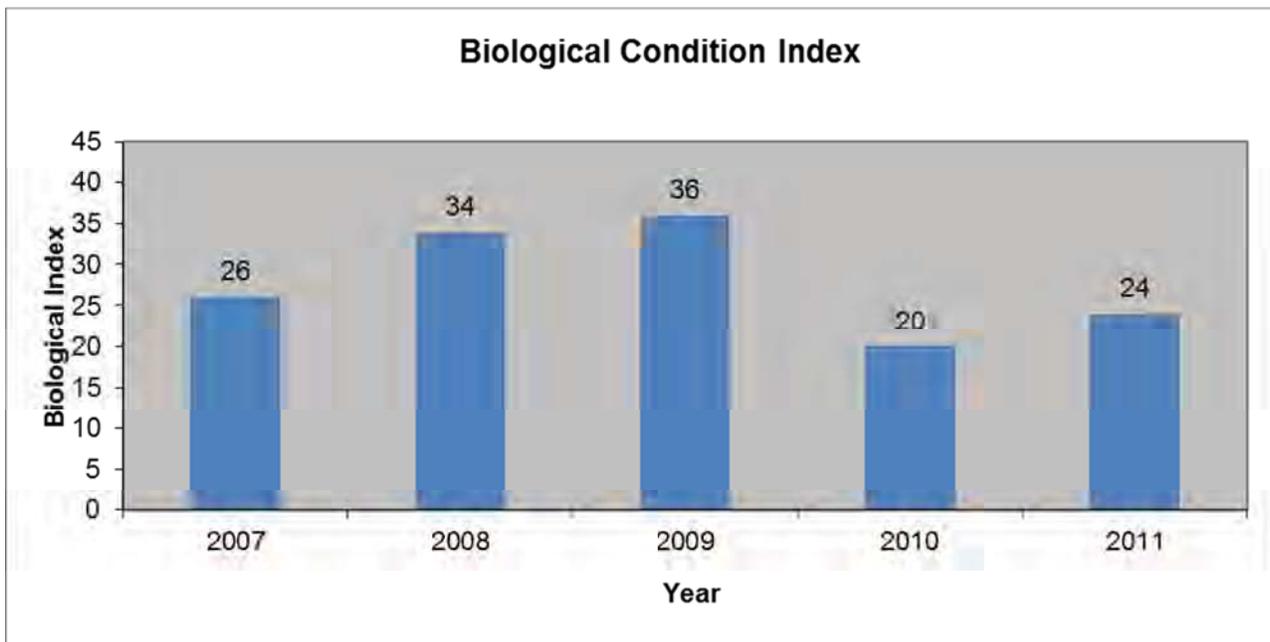
#### **Water Quality:**

pH measurements were outside of accepted limits on two of four site visits.



**Biological Condition:** The biological community was rated as slightly impaired in 2011.

Biological Condition		
Year	Score	Rating
2007	26	Slightly Impaired
2008	34	Nonimpaired
2009	36	Nonimpaired
2010	20	Slightly Impaired
2011	24	Slightly Impaired



## Choconut Creek at Vestal Center, NY (CHOC 9.1)

### Group 2

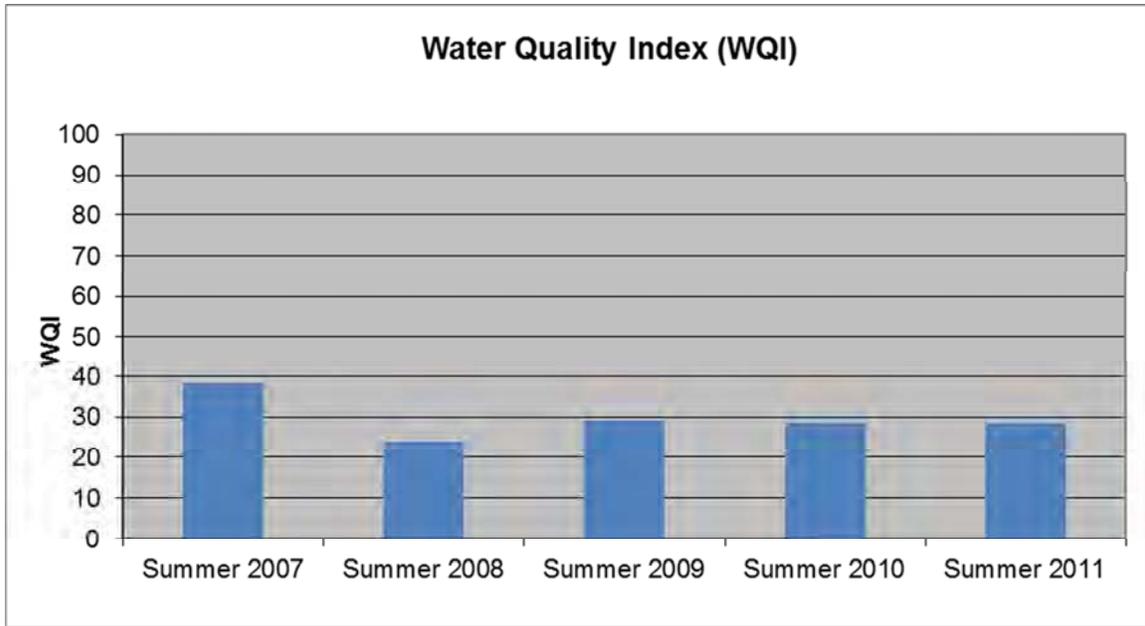


#### **Habitat Condition:**

Physical habitat was rated excellent when assessed in 2011. The site scored 186 out of 220 possible points. SRBC staff noted optimal velocity/depth regimes and minimal sediment deposition.

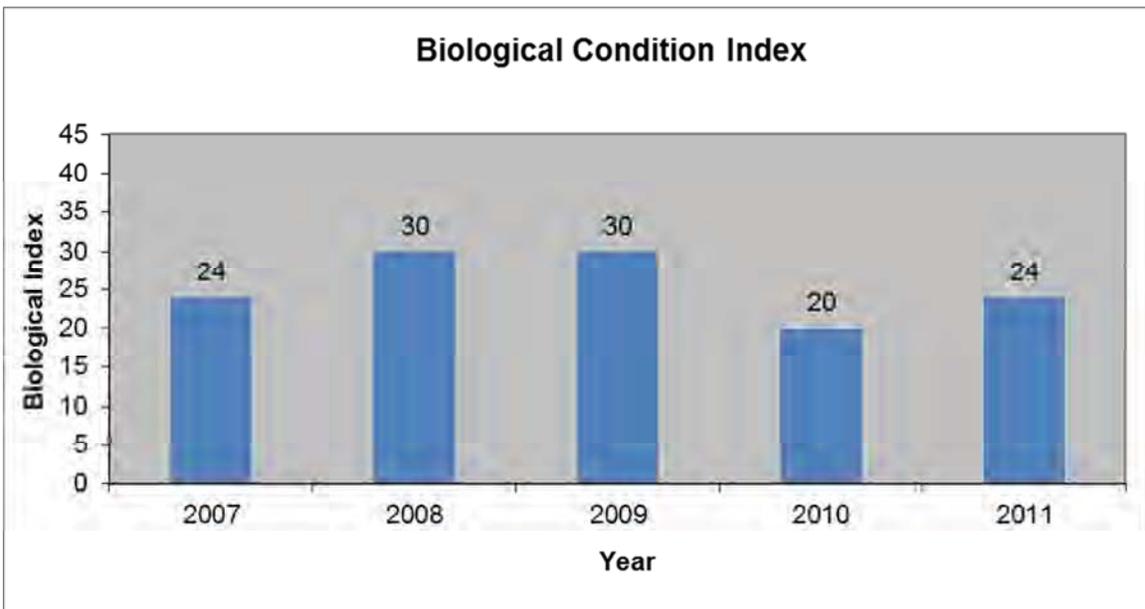
#### **Water Quality:**

All measured water quality parameters were within acceptable limits when tested in 2011.



**Biological Condition:** CHOC 9.1 received a biological condition rating of slightly impaired for the fifth consecutive year when sampled in 2011.

Biological Condition		
Year	Score	Rating
2007	24	Slightly Impaired
2008	30	Slightly Impaired
2009	30	Slightly Impaired
2010	20	Slightly Impaired
2011	24	Slightly Impaired



## Holden Creek at Woodhull, NY (HLDN 3.5)

### Group 2

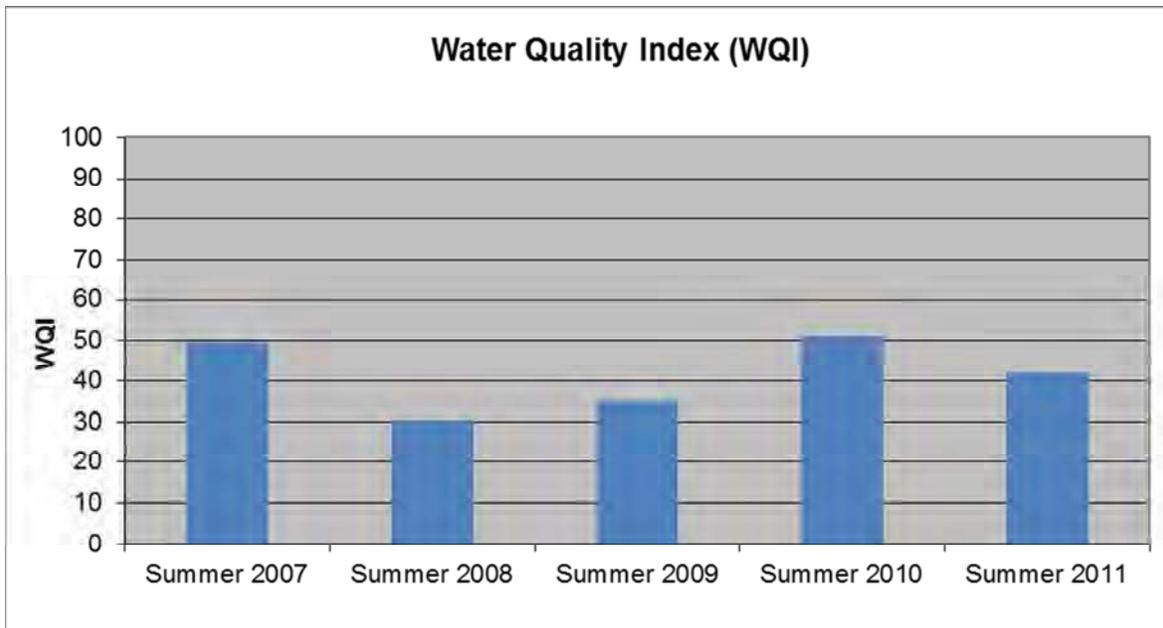


#### **Habitat Condition:**

Physical habitat was deemed supporting, receiving a score of 174 out of a possible 220. Low flow conditions were evident at the time of sampling.

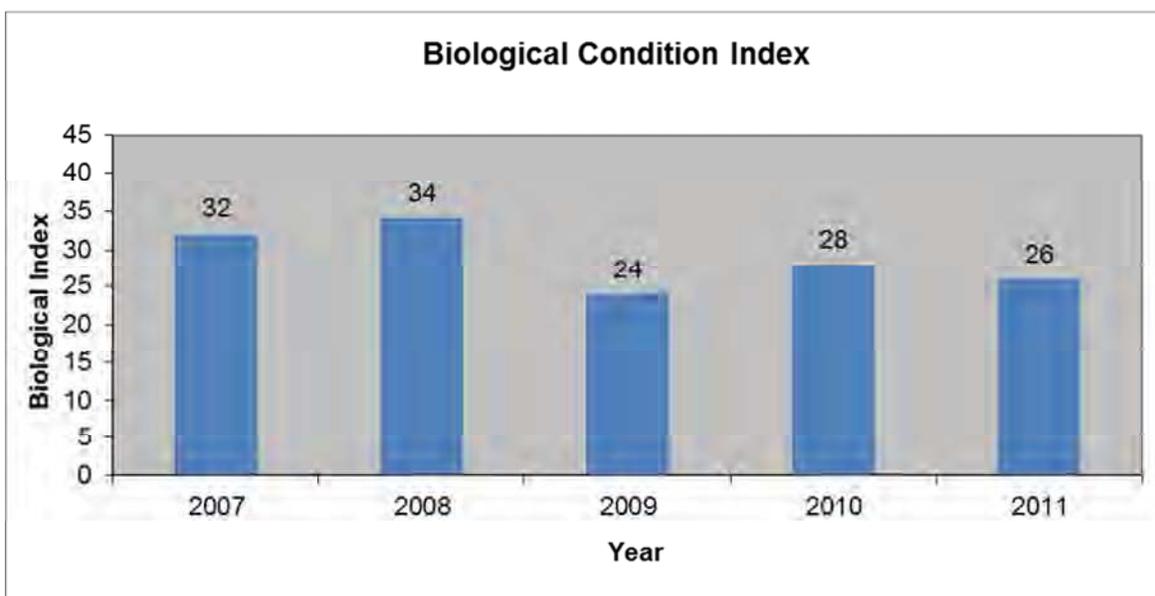
#### **Water Quality:**

All measured water quality parameters were within acceptable limits when tested in 2011.



**Biological Condition:** The macroinvertebrate community was assessed as being nonimpaired when sampled in 2011.

Biological Condition		
Year	Score	Rating
2007	32	Nonimpaired
2008	34	Nonimpaired
2009	24	Slightly Impaired
2010	28	Slightly Impaired
2011	26	Nonimpaired



## Little Snake Creek at Brackney, PA (LSNK 7.6)

### Group 1

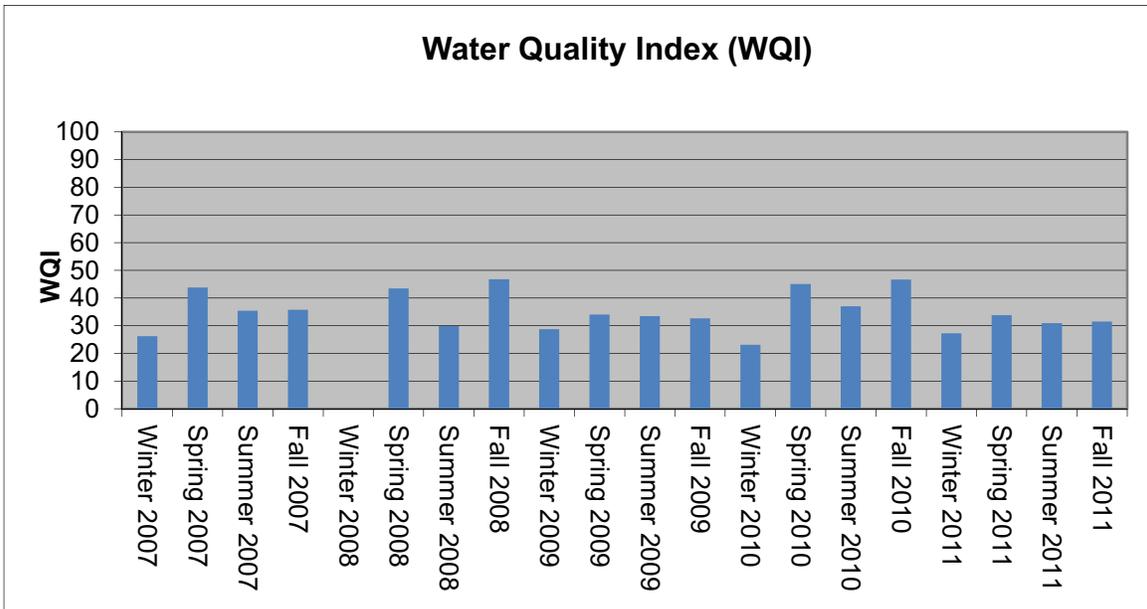


#### **Habitat Condition:**

Available physical habitat was rated as excellent in 2011. The station received a habitat score of 201 out of 220, netting the second highest habitat score of all interstate streams sites.

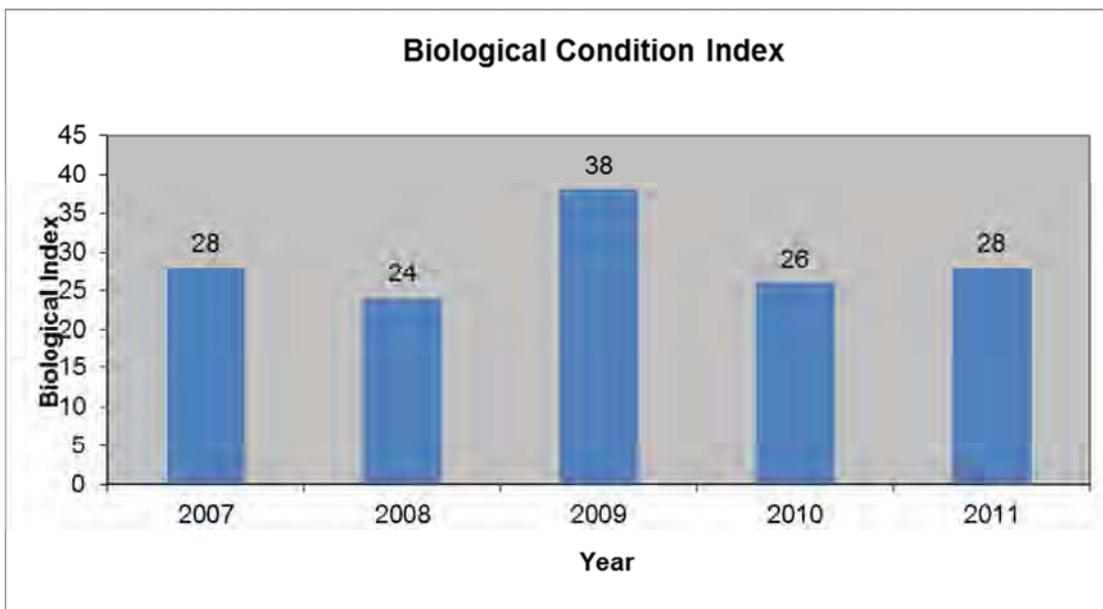
#### **Water Quality:**

All measured water quality parameters were within acceptable limits when tested in 2011.



**Biological Condition:** Little Snake Creek received a biological condition rating of nonimpaired in 2011.

Biological Condition		
Year	Score	Rating
2007	28	Slightly Impaired
2008	24	Slightly Impaired
2009	38	Nonimpaired
2010	26	Slightly Impaired
2011	28	Nonimpaired



## North Fork Cowanesque River at North Fork, PA (NFCR 7.6)

### Group 2

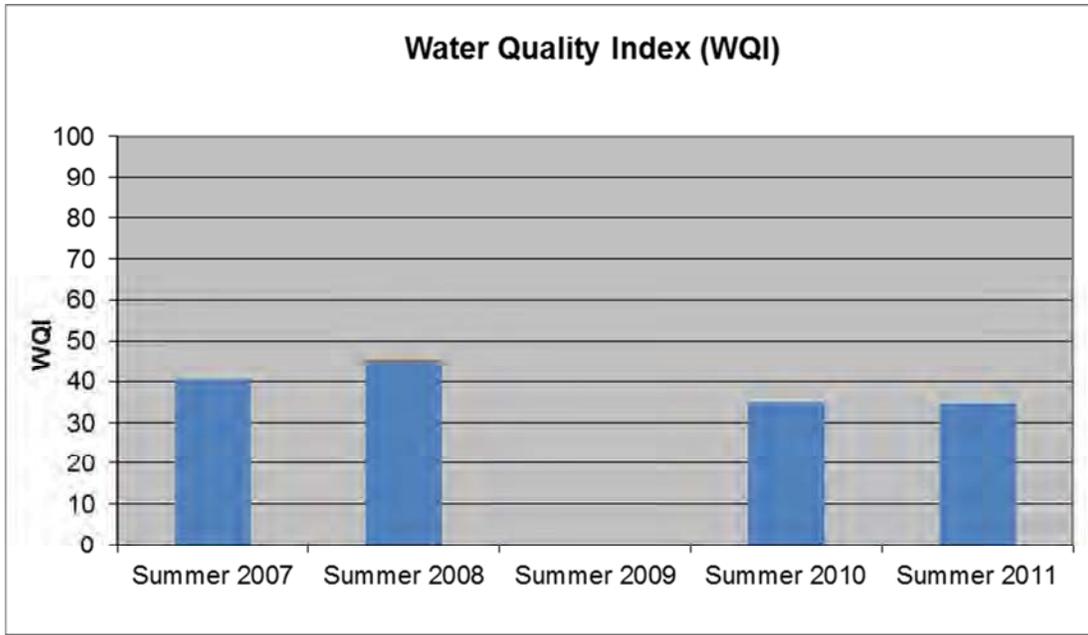


#### **Habitat Condition:**

Physical habitat at the site was rated as excellent, receiving a score of 193 out of a possible 220 points. SRBC staff noted wide riparian buffer widths and a mostly undisturbed watershed during the site visit.

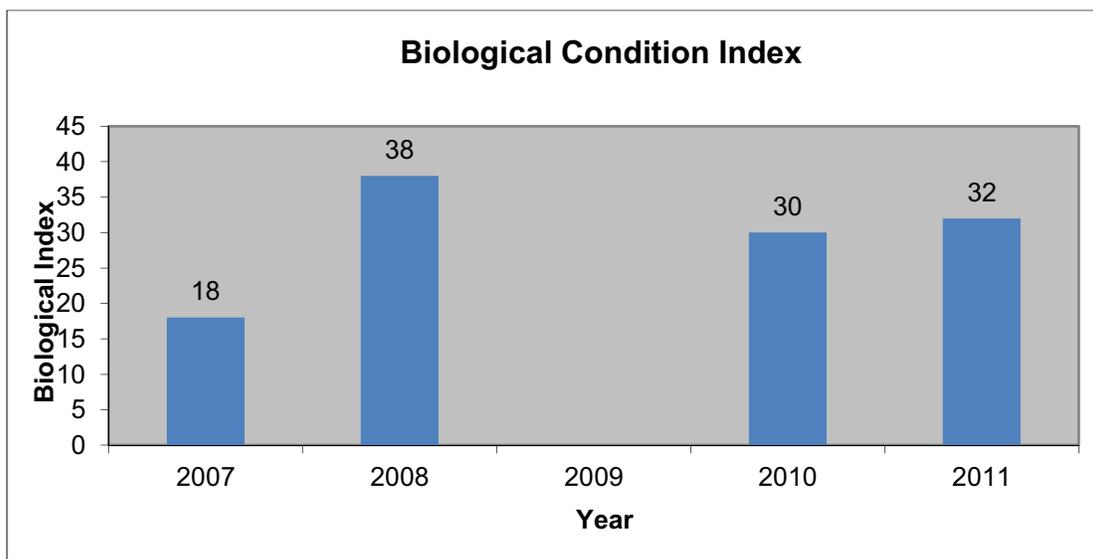
#### **Water Quality:**

All measured water quality parameters were within acceptable limits when tested in 2011.



**Biological Condition:** NFCR 7.6's macroinvertebrate community received a nonimpaired classification in 2011.

Biological Condition		
Year	Score	Rating
2007	18	Moderately Impaired
2008	38	Nonimpaired
2009	NA	NA
2010	30	Nonimpaired
2011	32	Nonimpaired



## Seely Creek at Seely Creek, NY (SEEL 10.8)

### Group 1

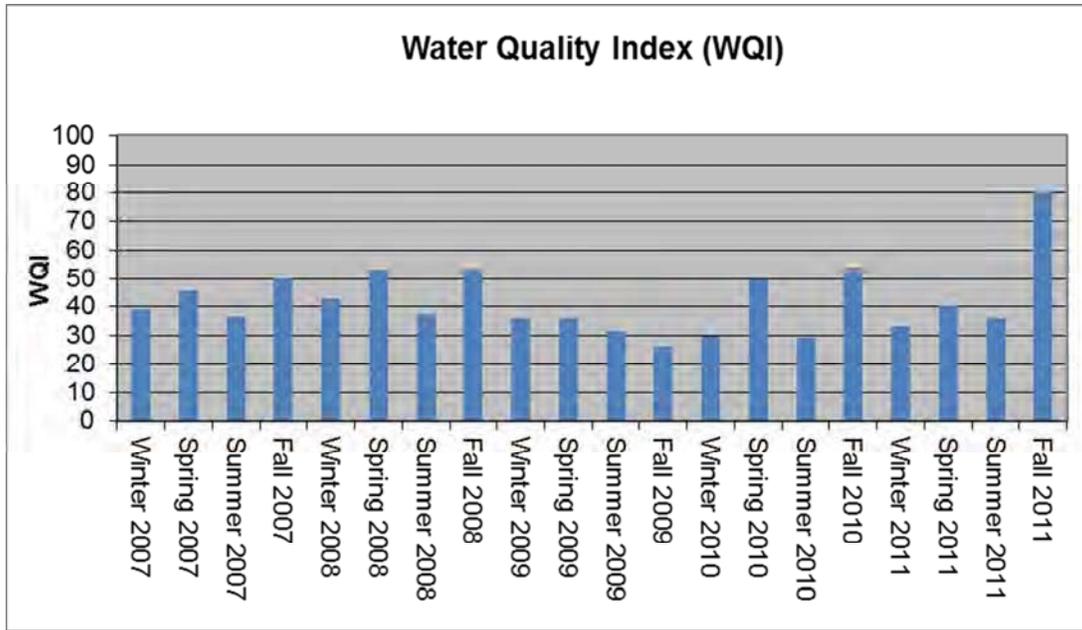


#### **Habitat Condition:**

Available physical habitat was classified as supporting in 2011. SRBC staff noted construction activities occurring at the site throughout the duration of the 2011 sampling year. These activities negatively impacted available habitat immediately downstream of the sampling site.

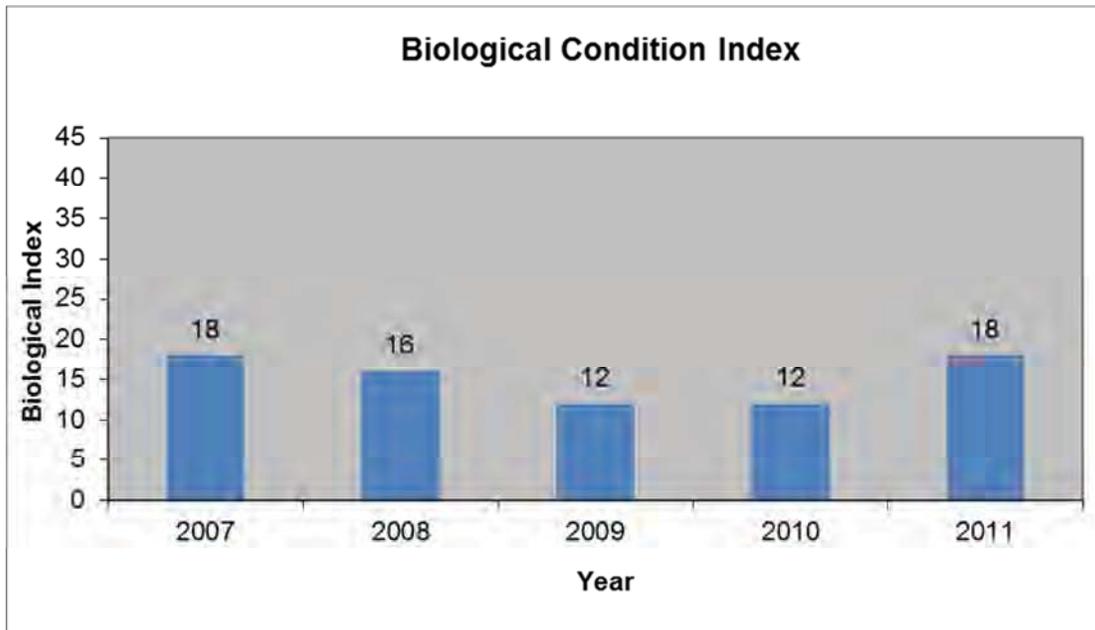
#### **Water Quality:**

Total iron concentration was measured to be in excess of accepted water quality criteria.



**Biological Condition:** SEEL 10.8 received a biological condition rating of slightly impaired in 2011.

Biological Condition		
Year	Score	Rating
2007	18	Moderately Impaired
2008	16	Moderately Impaired
2009	12	Moderately Impaired
2010	12	Moderately Impaired
2011	18	Slightly impaired



## Snake Creek at Brookdale, PA (SNAK 2.3)

### Group 2

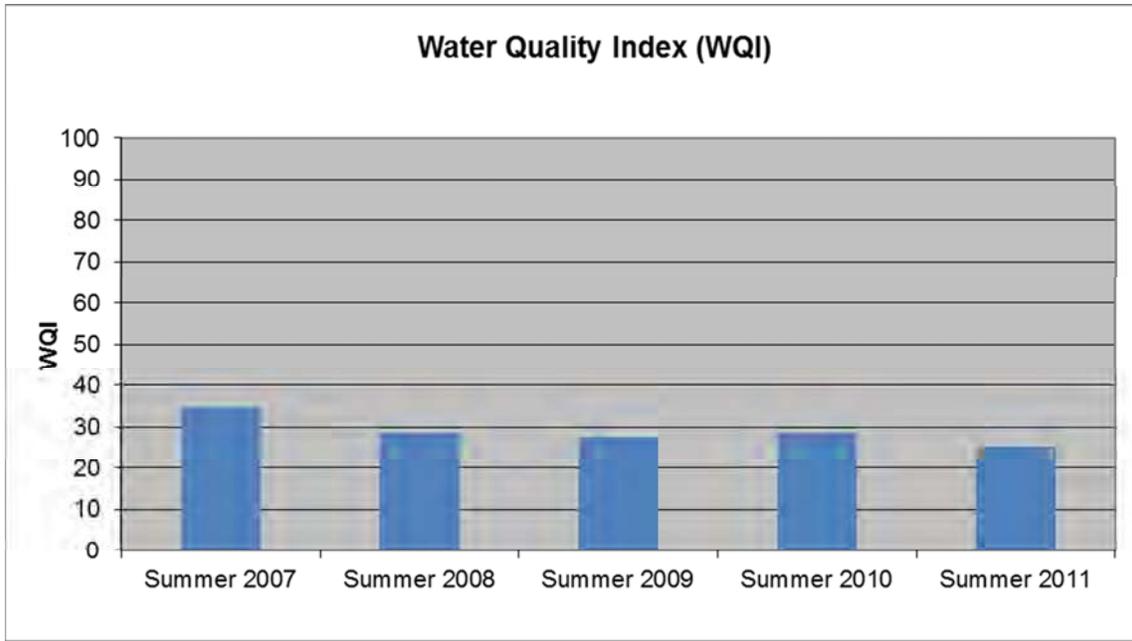


#### **Habitat Condition:**

Physical habitat at Snake Creek was rated as supporting in 2011. SRBC staff noted bank instability and residual impacts from recent construction activities at the site.

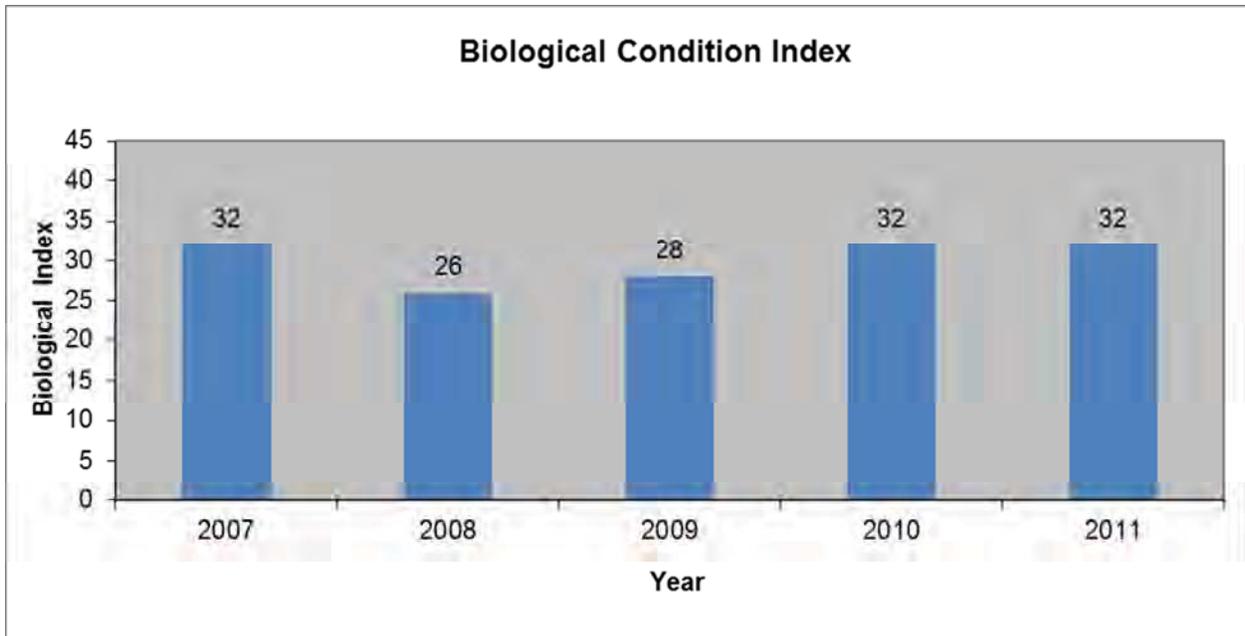
#### **Water Quality:**

All measured water quality parameters were within acceptable limits when tested in 2011.



**Biological Condition:** The macroinvertebrate community of Snake Creek received a classification of nonimpaired when sampled in 2011.

Biological Condition		
Year	Score	Rating
2007	32	NA
2008	26	Nonimpaired
2009	28	Slightly Impaired
2010	32	Slightly Impaired
2011	32	Nonimpaired



## South Creek at Fassett, PA (SOUT 7.6)

### Group 2

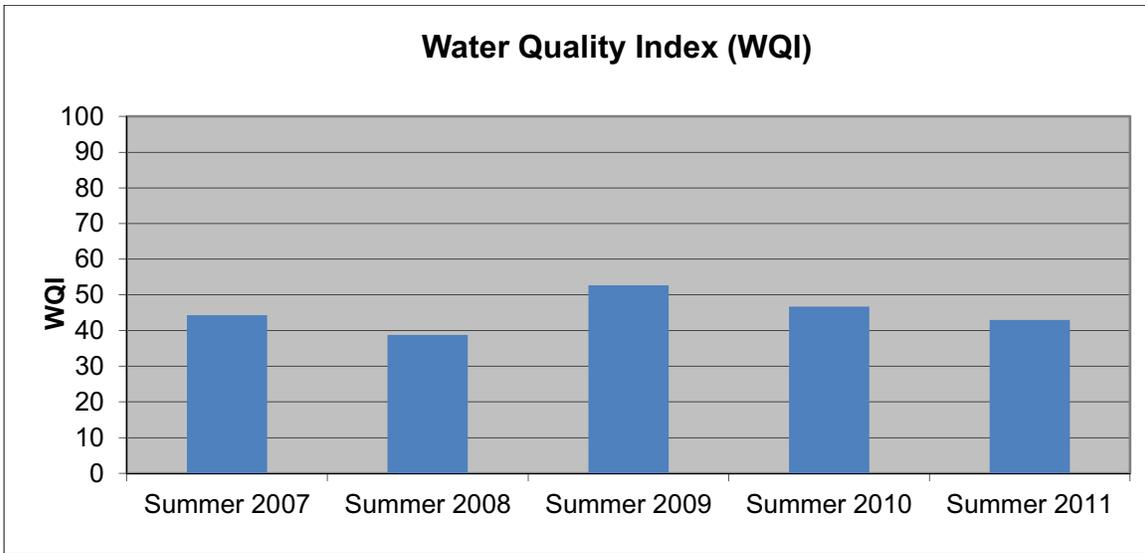


#### **Habitat Condition:**

Available physical habitat was rated as supporting. The site possessed good epifaunal substrate and instream cover; however, sedimentation was problematic at the monitoring site.

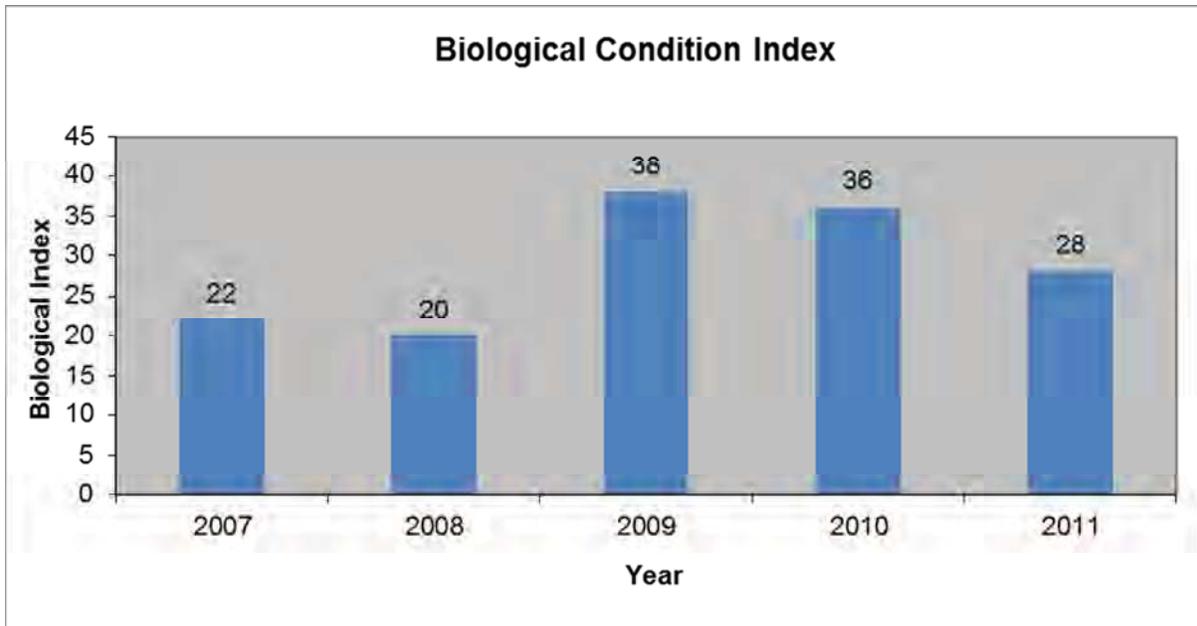
#### **Water Quality:**

A pH measurement of 8.98 recorded in summer 2011 fell outside of established water quality criteria.



**Biological Condition:** South Creek possessed a nonimpaired biological community when sampled in 2011.

Biological Condition		
Year	Score	Rating
2007	22	Slightly Impaired
2008	20	Slightly Impaired
2009	38	Nonimpaired
2010	36	Nonimpaired
2011	28	Nonimpaired



## Troups Creek at Austinburg, PA (TRUP 4.5)

### Group 1

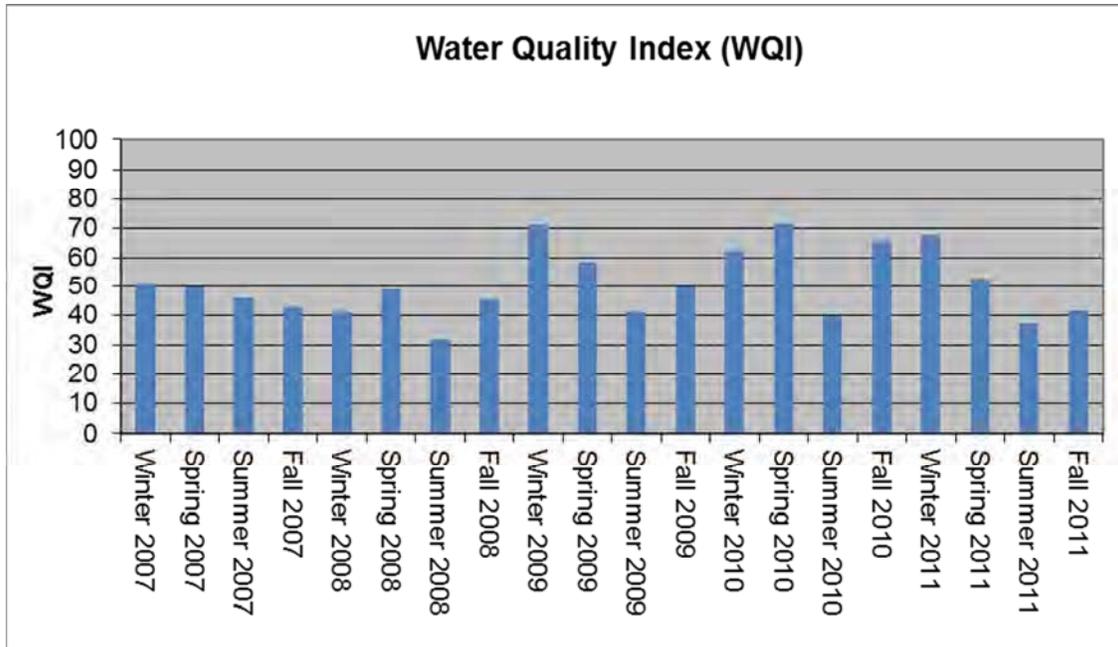


#### **Habitat Condition:**

SRBC staff classified available physical habitat at Troups Creek as being supporting. Significant bank erosion continued to impact conditions at the site. Pre-construction activities for bridge repairs were occurring in fall 2011, indicating potential future impacts.

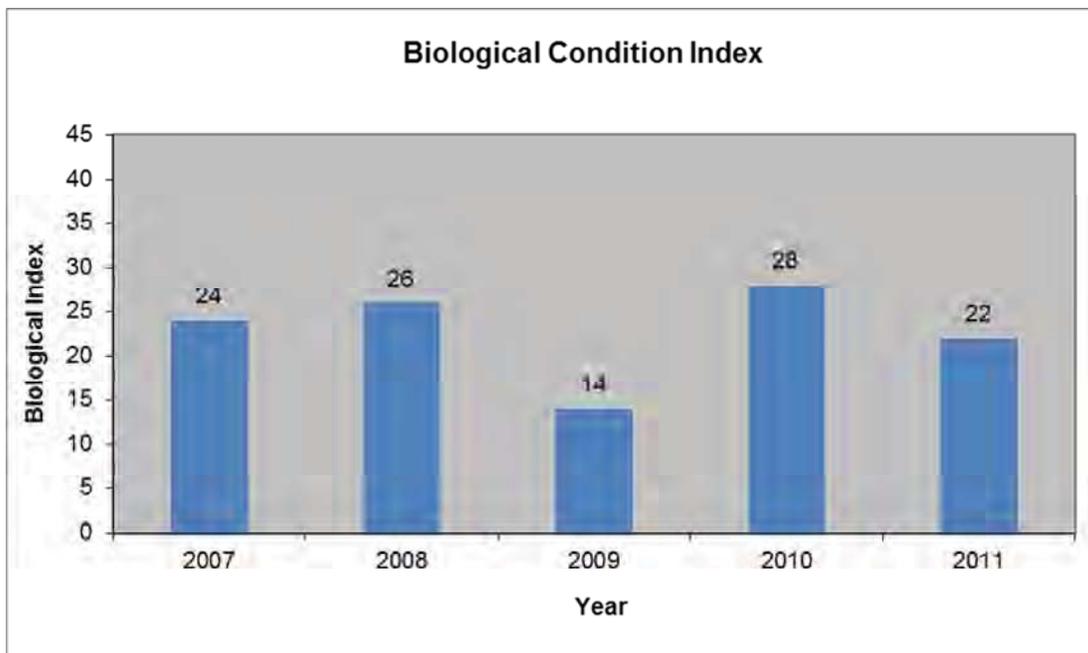
#### **Water Quality:**

A pH value of 8.86, falling outside of accepted water quality criteria, was recorded in June 2011.



**Biological Condition:** The macroinvertebrate community was rated as slightly impaired when sampled in 2011.

Biological Condition		
Year	Score	Rating
2007	24	Slightly Impaired
2008	26	Slightly Impaired
2009	14	Moderately Impaired
2010	28	Slightly Impaired
2011	22	Slightly Impaired



## Trowbridge Creek at Great Bend, PA (TROW 1.8)

### Group 2

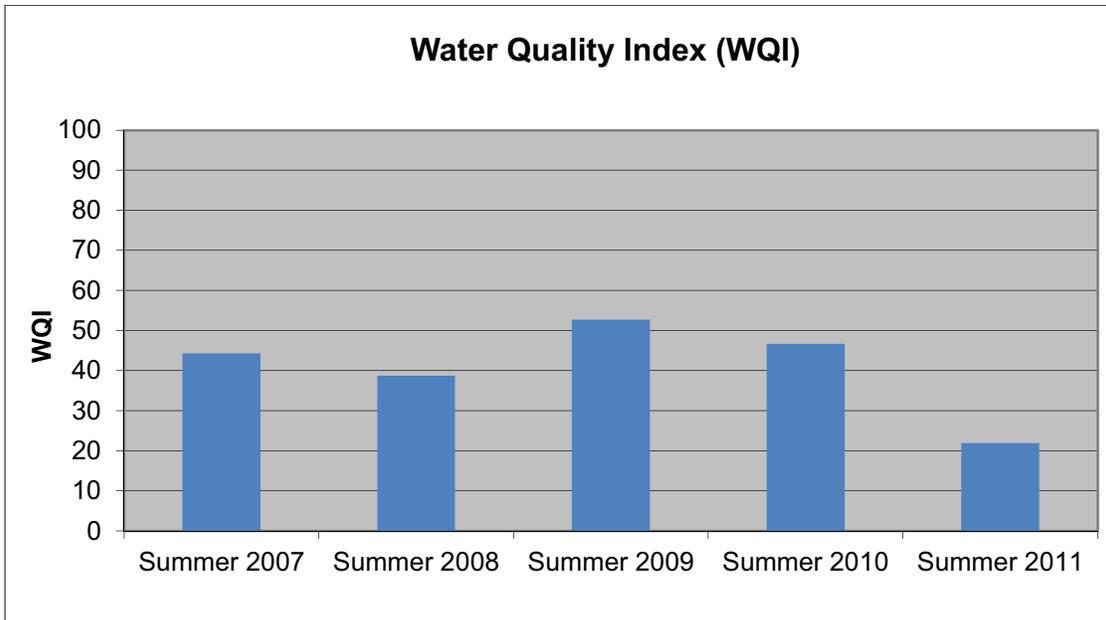


#### **Habitat Condition:**

Physical habitat was rated as supporting when assessed in 2011. The site scored 154 out of a possible 220, losing significant points for poor bank conditions.

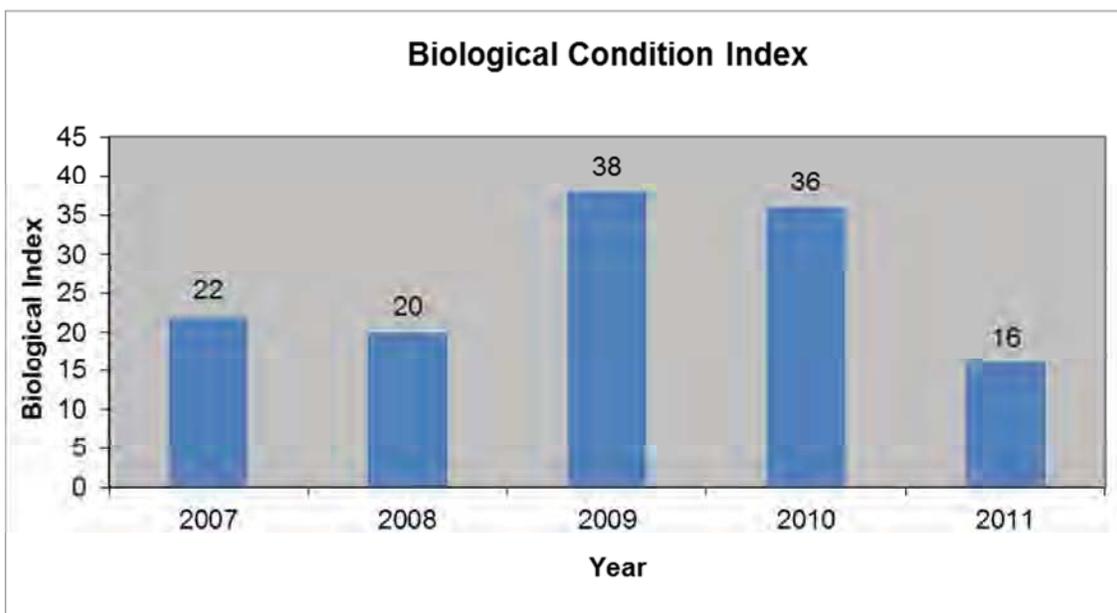
#### **Water Quality:**

All measured water quality parameters were within acceptable limits when tested in 2011.



**Biological Condition:** TROW 1.8 received a macroinvertebrate community designation of slightly impaired in 2011, a departure from prior nonimpaired classifications.

Biological Condition		
Year	Score	Rating
2007	22	Slightly Impaired
2008	20	Slightly Impaired
2009	38	Nonimpaired
2010	36	Nonimpaired
2011	16	Slightly Impaired



## Wappasening Creek at Nichols, NY (WAPP 2.6)

### Group 2

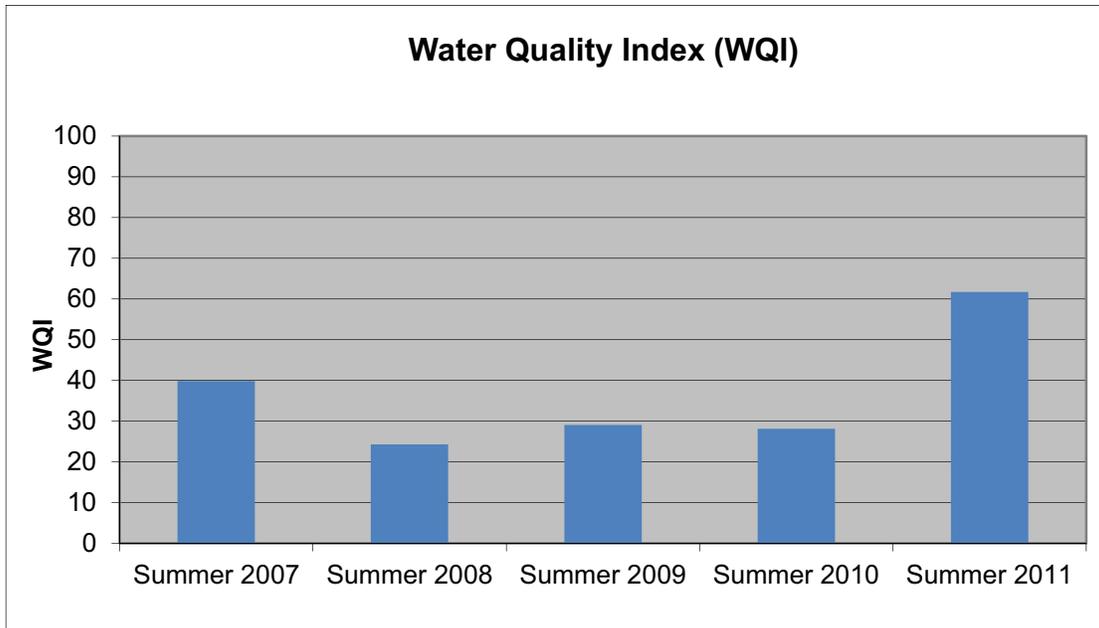


#### **Habitat Condition:**

Available physical habitat at WAPP 2.6 was classified as supporting in 2011. SRBC staff noted a lack of instream cover and variability in velocity/depth regimes.

#### **Water Quality:**

Total iron concentration was found to be in excess of accepted water quality criteria.



**Biological Condition:** The macroinvertebrate community was classified as moderately impaired in 2011.

Biological Condition		
Year	Score	Rating
2007	32	Slightly Impaired
2008	30	Slightly Impaired
2009	22	Slightly Impaired
2010	20	Slightly Impaired
2011	12	Moderately impaired

