

**Site Results for Pennsylvania-Maryland Border Sites**  
**Big Branch Deer Creek at Fawn Grove, PA (BBDC 4.1)**

Group 2

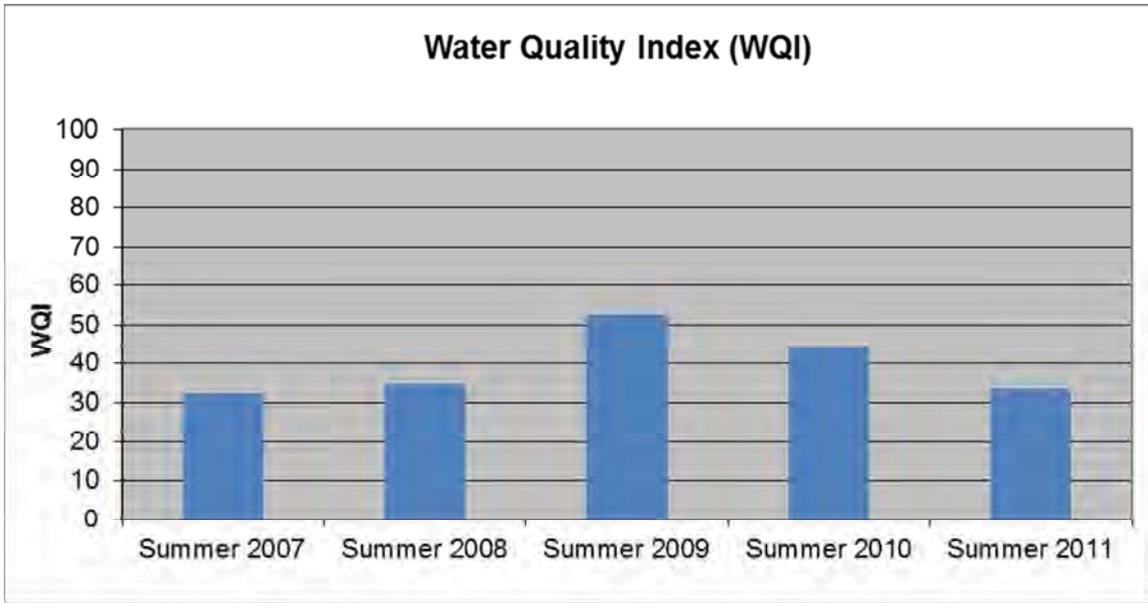


**Habitat Condition:**

Physical habitat was rated as excellent at the station in 2011. Scoring 169 out of a possible 220 points, BBDC 4.1 possessed optimal conditions in nearly all parameters measured. Sediment deposition remained atypically high relative to previous observations.

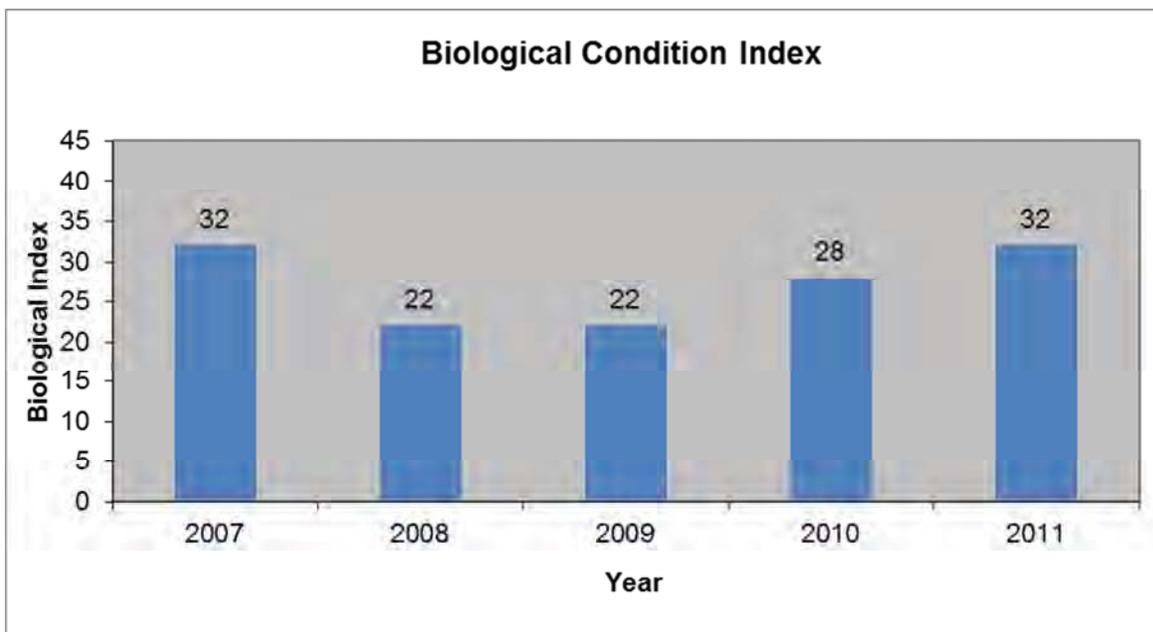
**Water Quality:**

All measured water quality parameters were within accepted limits at the time of testing.



**Biological Condition:** The biological community at BBDC 4.1 was rated as slightly impaired in 2011.

Biological Condition		
Year	Score	Rating
2007	32	Nonimpaired
2008	22	Slightly Impaired
2009	22	Slightly Impaired
2010	28	Slightly Impaired
2011	32	Slightly Impaired



## Conowingo Creek at Pleasant Grove, PA (CNWG 4.4)

### Group 1

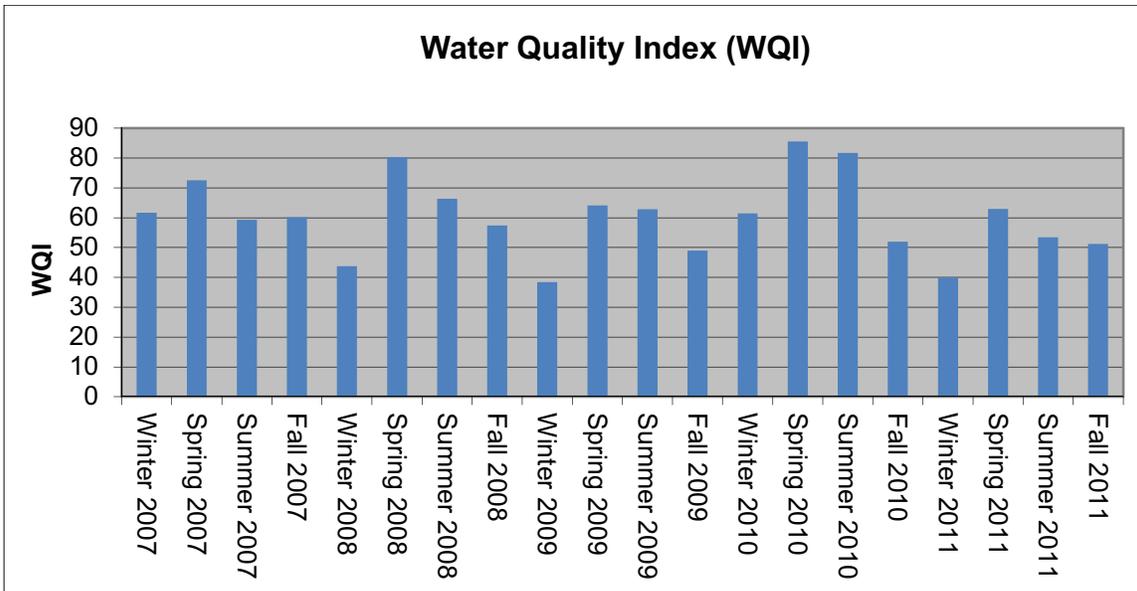


#### **Habitat Condition:**

Scoring 189 out of a possible 220, available physical habitat was classified as excellent in 2011. CNWG 4.4 was one of three sites sharing the highest habitat score in the MD-PA monitoring group.

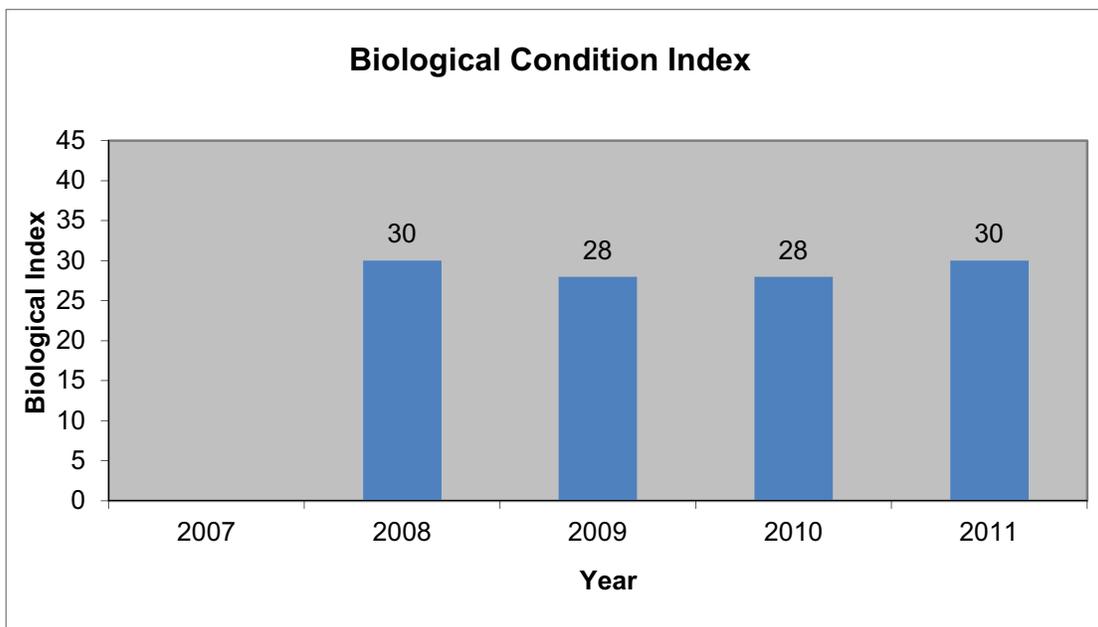
#### **Water Quality:**

Nitrate plus nitrite concentrations were above accepted limits. Elevated concentrations were detected across all sampling periods.



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

Biological Condition		
Year	Score	Rating
2007	NA	NA
2008	30	Nonimpaired
2009	28	Nonimpaired
2010	28	Slightly Impaired
2011	30	Slightly Impaired



## Deer Creek at Gorsuch Mills, PA (DEER 44.2)

### Group 1

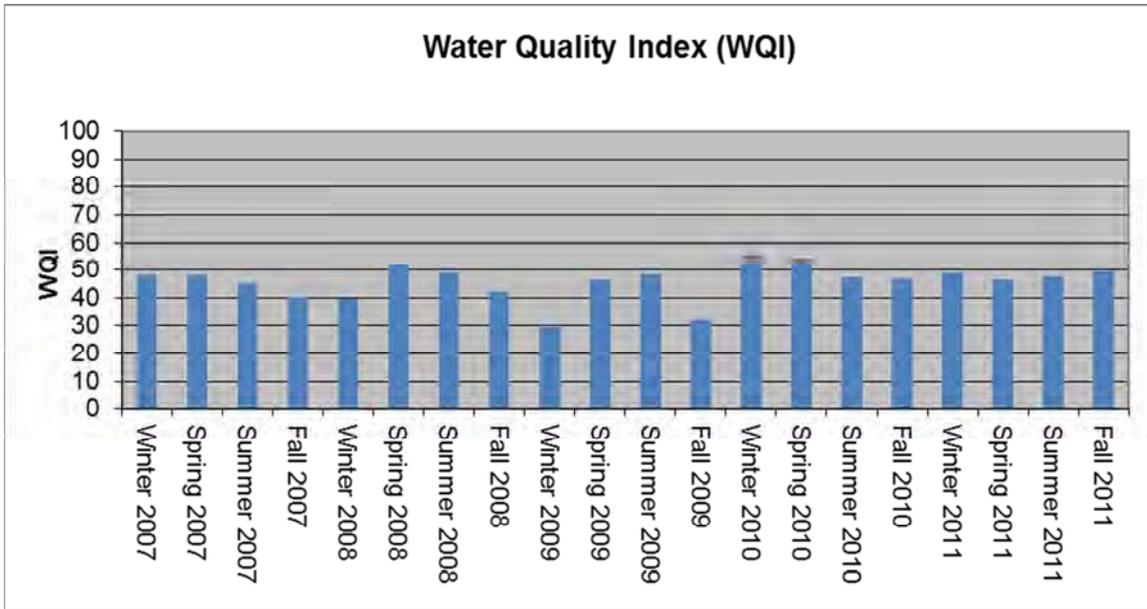


#### **Habitat Condition:**

DEER 44.2 possessed excellent habitat conditions as rated by SRBC staff in 2011. Bank erosion and stability were identified as potential areas of concern.

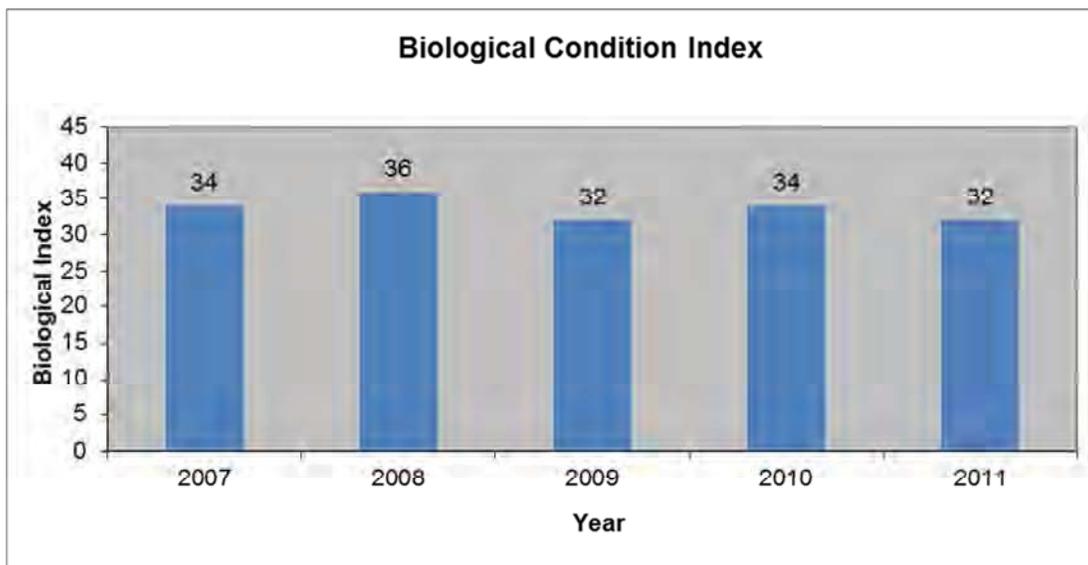
#### **Water Quality:**

All measured water quality parameters were within accepted limits at the time of testing.



**Biological Condition:** Deer Creek possessed a slightly impaired biological community in 2011. Although the rating declined from previous years' nonimpaired classification, conditions remained favorable at the station.

Biological Condition		
Year	Score	Rating
2007	34	Nonimpaired
2008	36	Nonimpaired
2009	32	Nonimpaired
2010	34	Nonimpaired
2011	32	Slightly Impaired



## Ebaughs Creek at Stewartstown, PA (EBAU 1.5)

### Group 1

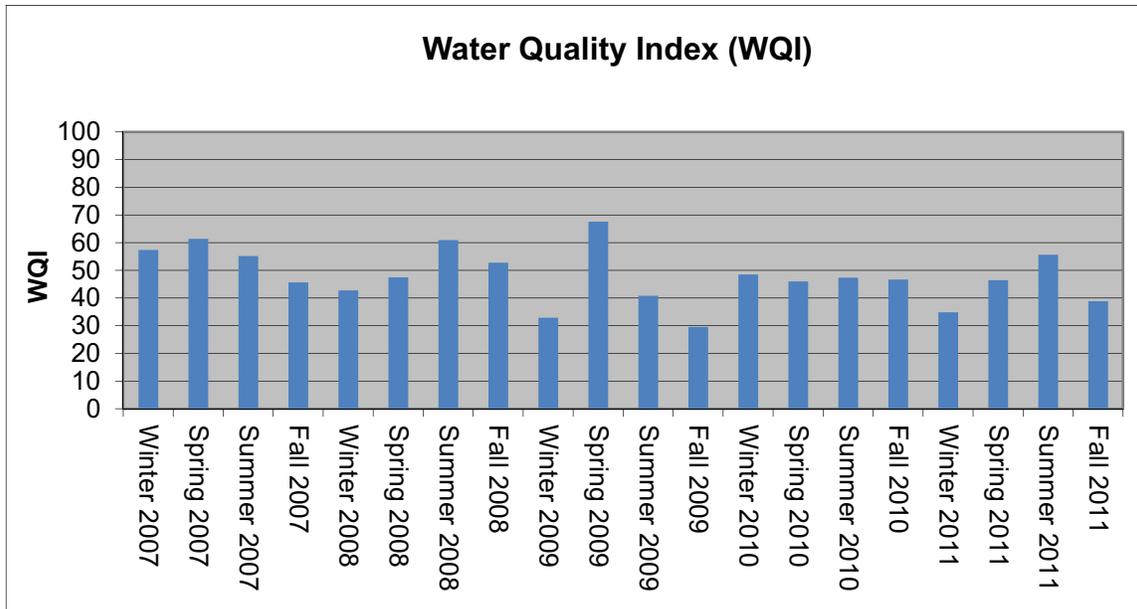


#### **Habitat Condition:**

Available physical habitat was rated as excellent in 2011. EBAU 1.5 was one of three sites sharing the highest habitat score in the MD-PA monitoring group.

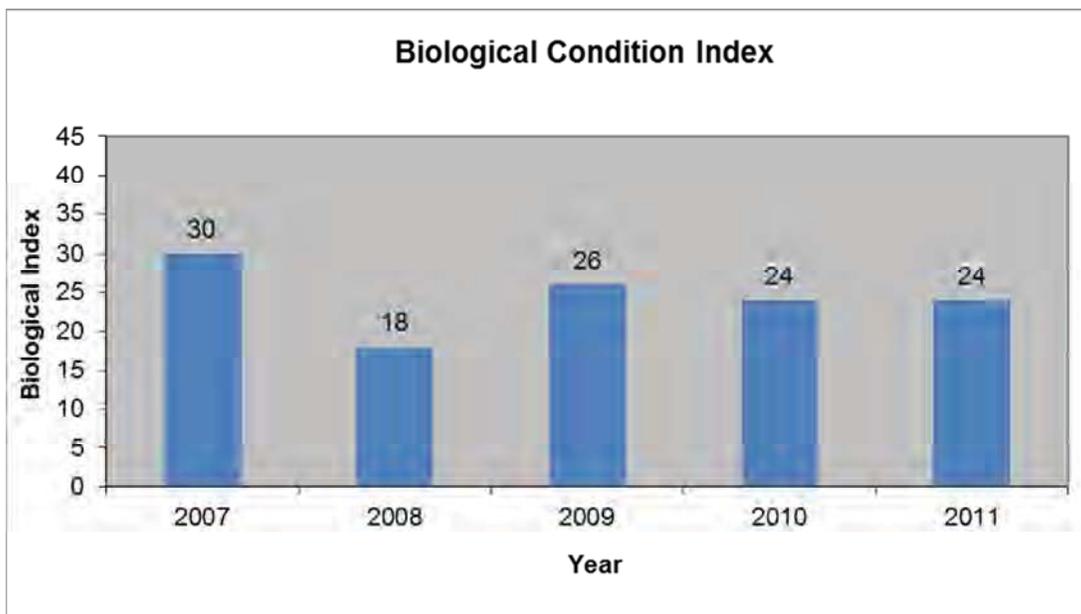
#### **Water Quality:**

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



**Biological Condition:** The biological condition at EBAU 1.5 was rated as slightly impaired for the third consecutive year.

Biological Condition		
Year	Score	Rating
2007	30	Nonimpaired
2008	18	Moderately Impaired
2009	26	Slightly Impaired
2010	24	Slightly Impaired
2011	24	Slightly Impaired



## Falling Branch Deer Creek at Fawn Grove, PA (FBDC 4.1)

### Group 2

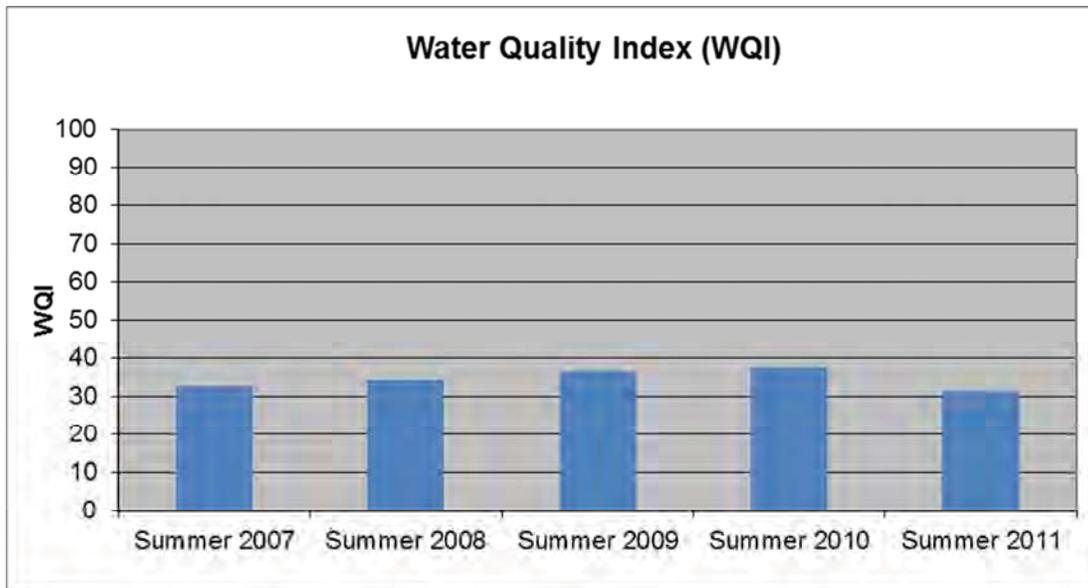


#### **Habitat Condition:**

Scoring 187 out of a possible 220 points, the available physical habitat at FBDC 4.1 was classified as excellent in 2011. Habitat conditions have remained stable and favorable at this site.

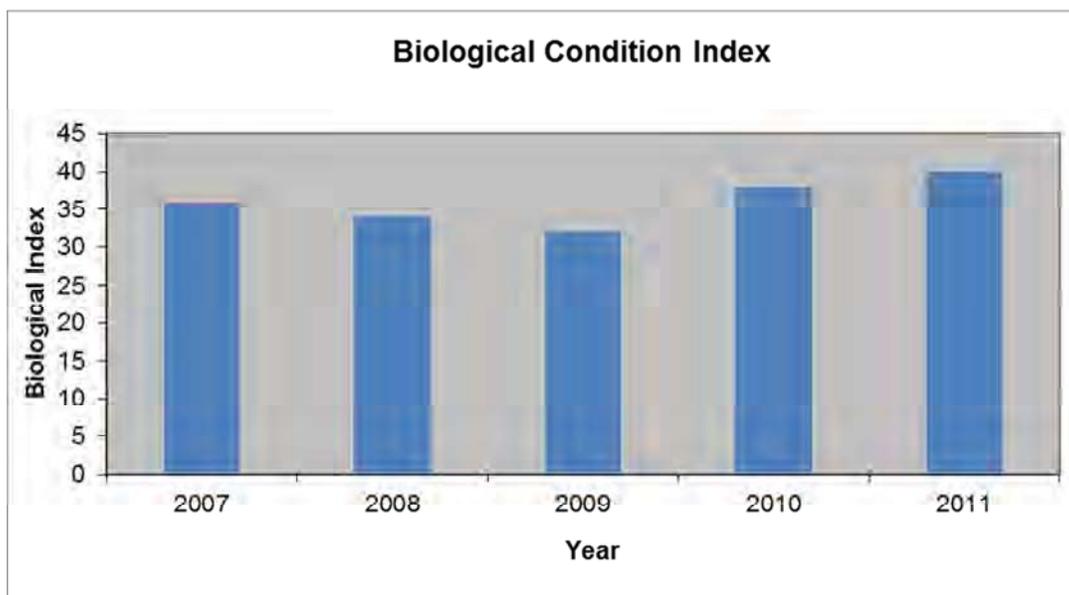
#### **Water Quality:**

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



**Biological Condition:** FBDC 4.1 was chosen as the reference site to which all other MD-PA interstate sites were compared in 2011. The biological condition at this site was rated as nonimpaired.

Biological Condition		
Year	Score	Rating
2007	36	Nonimpaired
2008	34	Nonimpaired
2009	32	Nonimpaired
2010	38	Nonimpaired
2011	40	Nonimpaired



## Long Arm Creek at Bandanna, PA (LNGA 2.5)

### Group 1

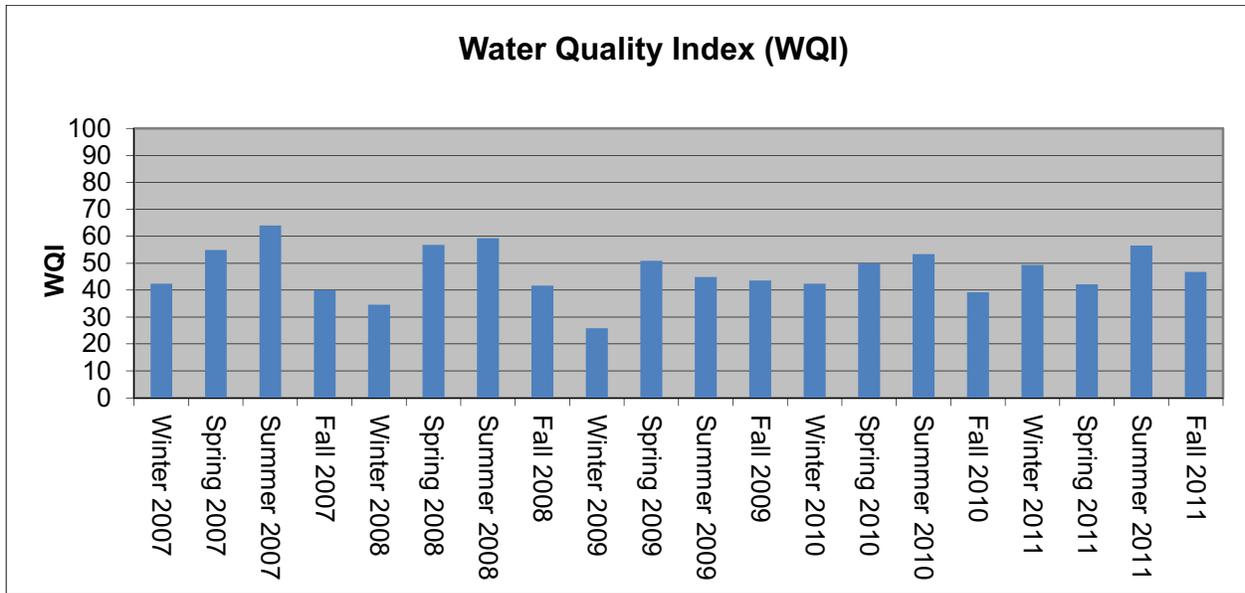


#### **Habitat Condition:**

Receiving a score of 189 out of a possible 220 points, Long Arm Creek's physical habitat was classified as excellent.

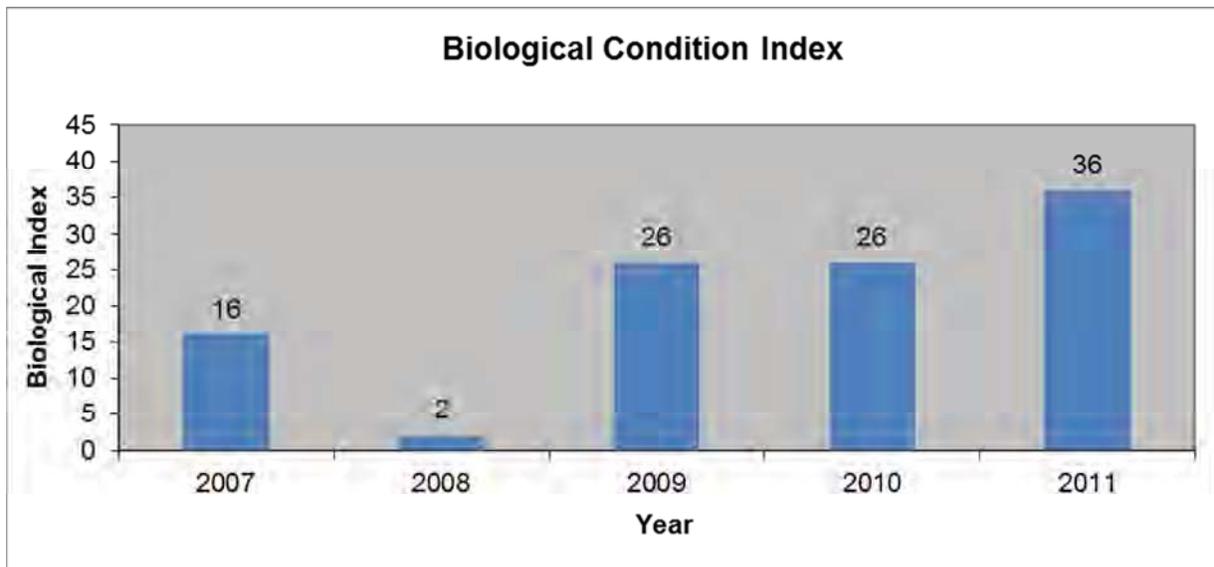
#### **Water Quality:**

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



**Biological Condition:** LPGA 2.5 received a biological condition classification of nonimpaired in 2011, marking a significant improvement from previous years' assessments.

Biological Condition		
Year	Score	Rating
2007	16	Moderately Impaired
2008	2	Severely Impaired
2009	26	Slightly Impaired
2010	26	Slightly Impaired
2011	36	Nonimpaired



## Octoraro Creek at Rising Sun, MD (OCTO 6.6)

### Group 1

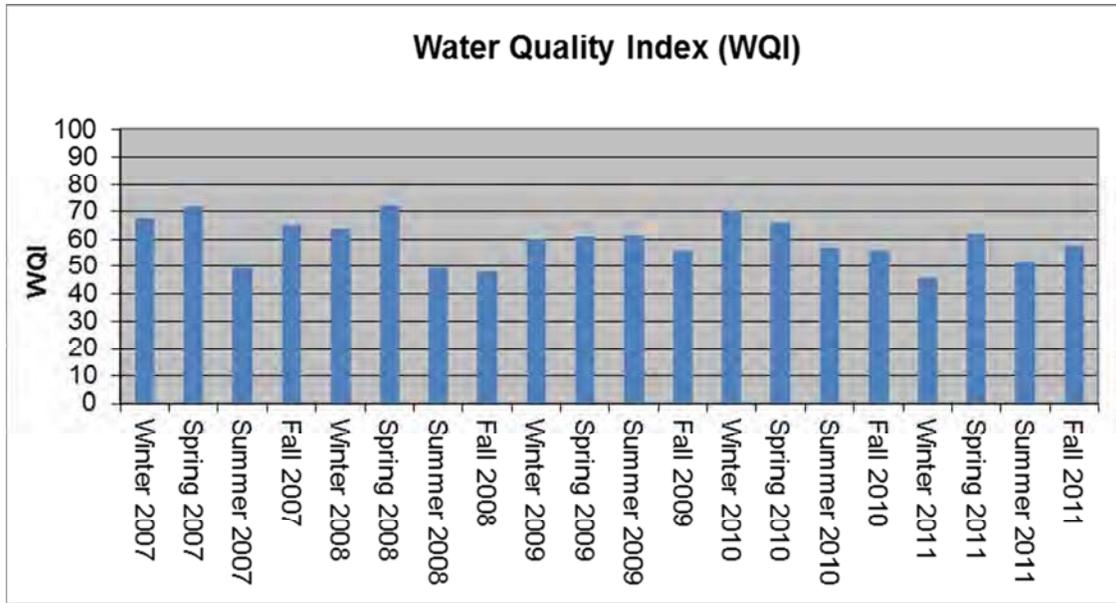


#### **Habitat Condition:**

Physical habitat was rated as excellent, scoring 177 out of a possible 220. Optimal amounts of instream cover and minimal channel alteration contributed to this classification.

#### **Water Quality:**

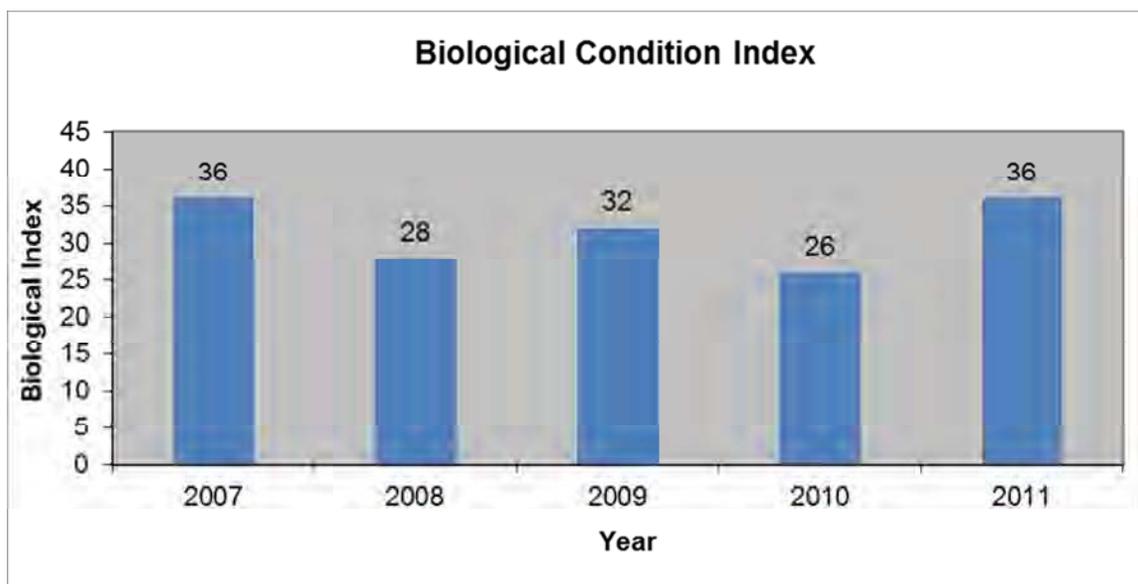
All measured water quality parameters were within acceptable limits when tested in 2011.



**Biological Condition:**

The macroinvertebrate community was classified as nonimpaired in 2011.

Biological Condition		
Year	Score	Rating
2007	36	Nonimpaired
2008	28	Slightly Impaired
2009	32	Nonimpaired
2010	26	Slightly Impaired
2011	36	Nonimpaired



## South Branch Conewago Creek at Bandanna, PA (SBCC 20.4)

### Group 2

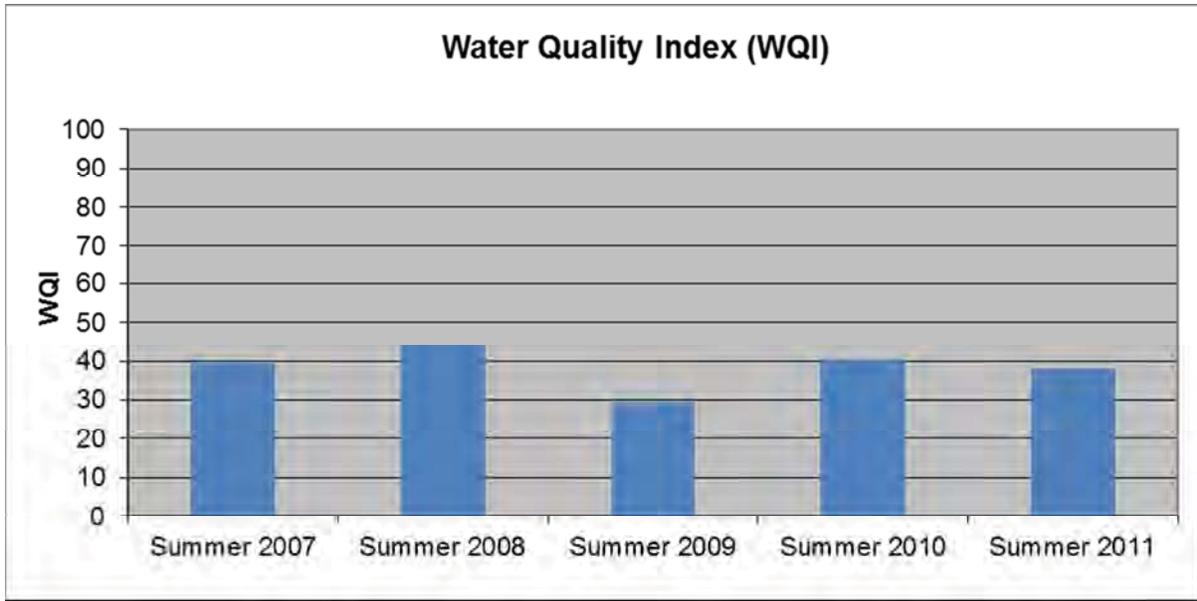


#### **Habitat Condition:**

Located in a primarily forested watershed, the South Branch Conewago Creek site received a habitat classification of excellent in 2011. The site scored 189 out of a possible 220.

#### **Water Quality:**

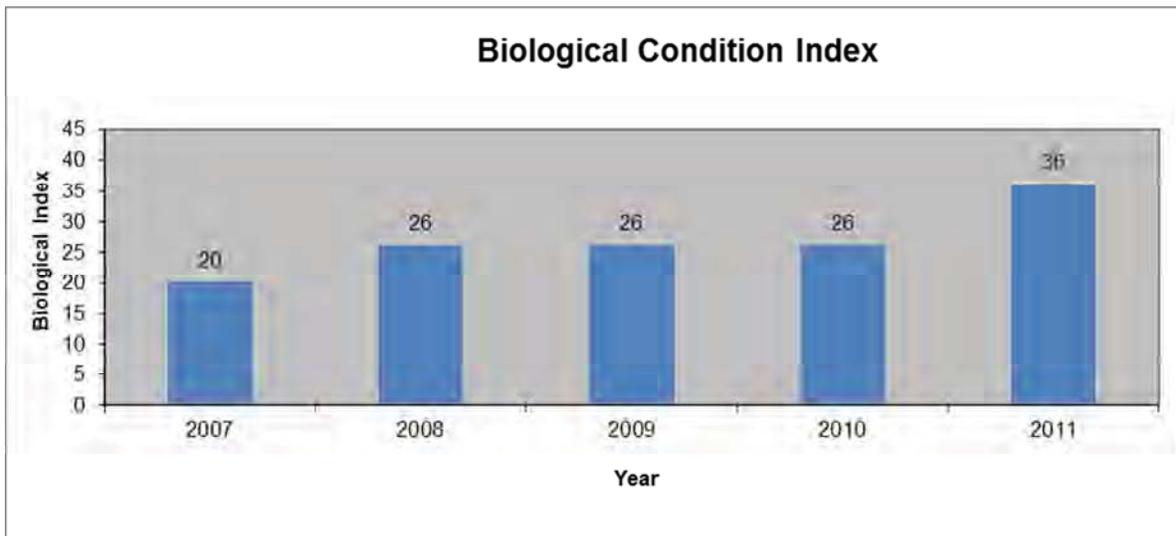
All measured water quality parameters were within accepted limits when tested in 2011.



**Biological Condition:**

SBCC 20.4 received a biological condition rating of nonimpaired in 2011. This represents an improvement over prior years' classifications of slightly impaired.

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



## Scott Creek at Delta, PA (SCTT 3.0)

### Group 1

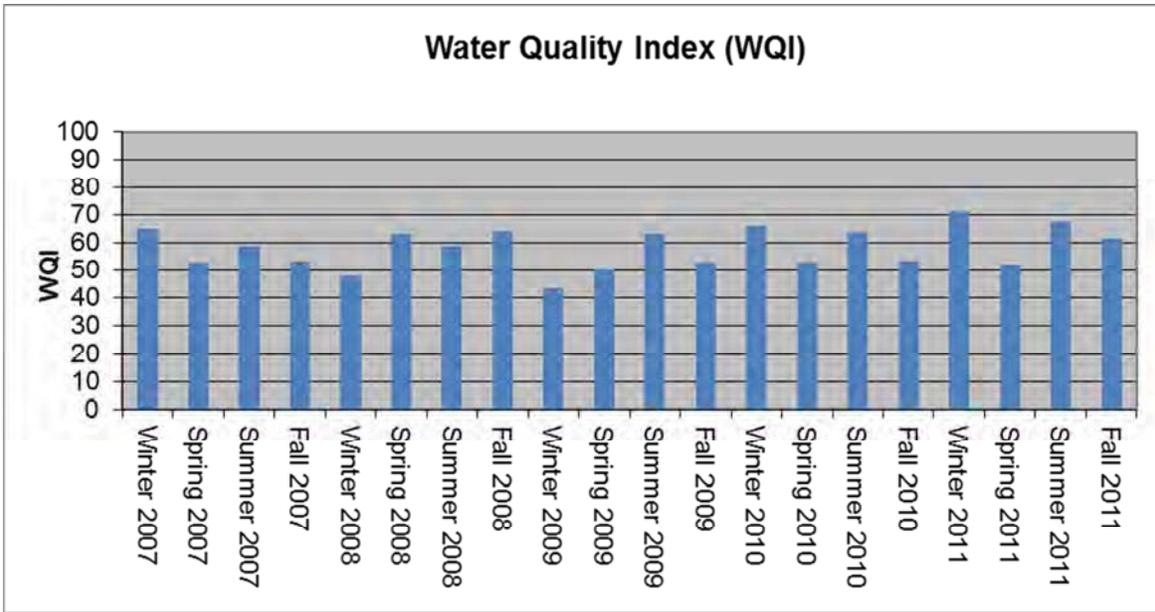


#### **Habitat Condition:**

Scoring 114 out of a possible 220 points, available physical habitat was deemed partially supporting in 2011. Highly eroded banks lacking sufficient vegetative protective cover reduced the score at this station.

#### **Water Quality:**

All measured water quality parameters were within accepted limits when tested in 2011, though consistently high WQI values suggested lesser quality water at this station relative to other MD-PA interstate sites.



**Biological Condition:**

SCTT 3.0 received a biological classification of moderately impaired in 2011. Scott Creek was the lone MD-PA interstate site to receive this designation. SCTT 3.0 has consistently scored poorly in biological assessments.

Biological Condition		
Year	Score	Rating
2007	16	Moderately Impaired
2008	16	Moderately Impaired
2009	10	Moderately Impaired
2010	8	Moderately Impaired
2011	18	Moderately Impaired

