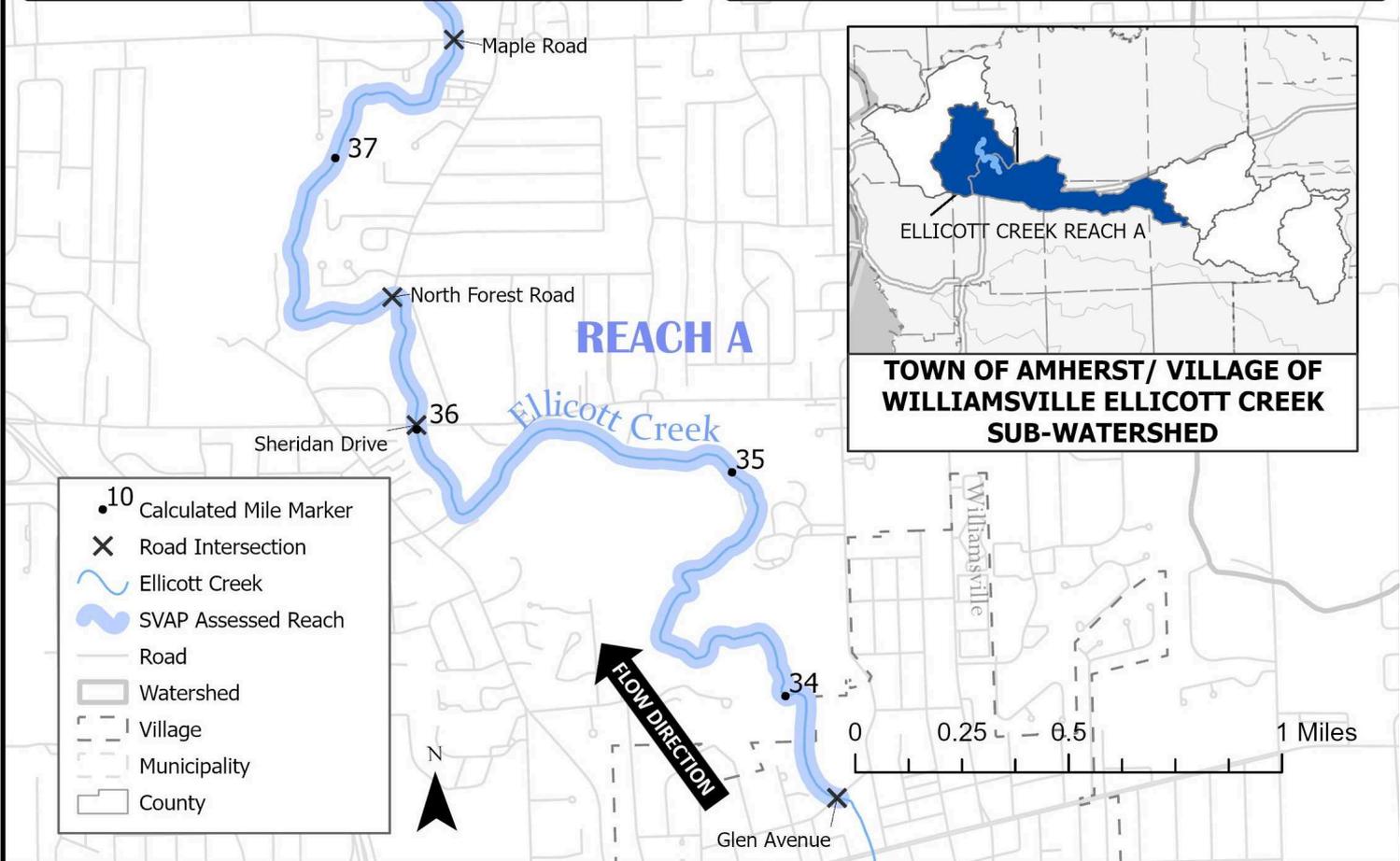




# ELLICOTT CREEK

STREAM VISUAL ASSESSMENT PROTOCOL (SVAP) RESULTS FOR REACH A

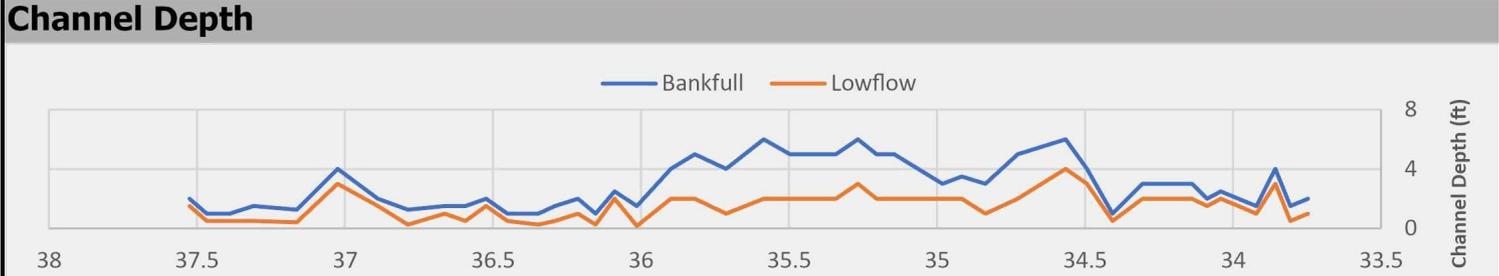
AVERAGE OVERALL SVAP RATING: **6.2**



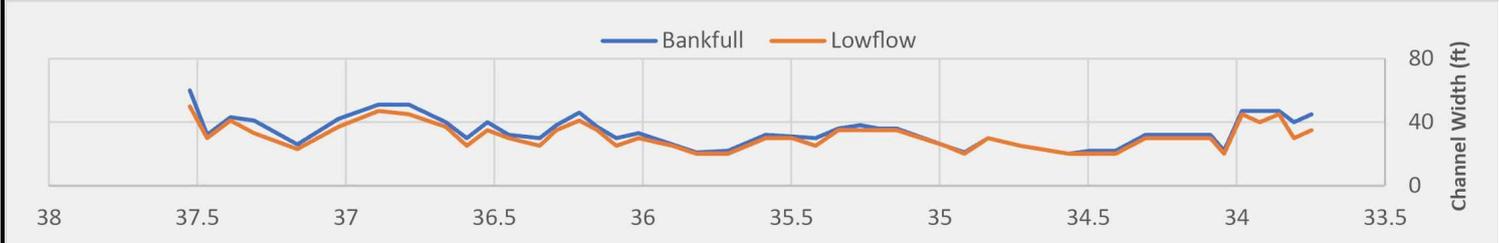
## Elevation Profile



## Channel Depth



## Channel Width



← FLOW DIRECTION Creek Mile (37.53 at Tailwater, 33.75 at Headwater) FLOW DIRECTION →

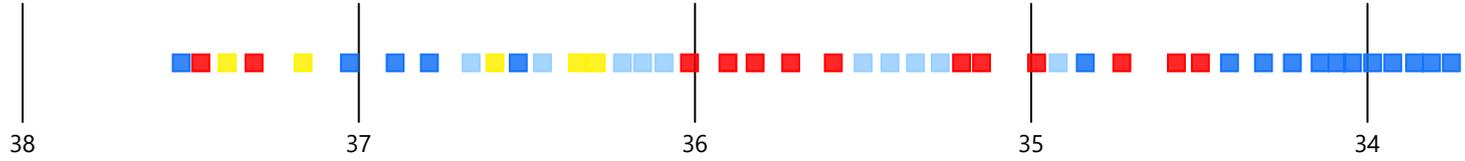
# Classification Scheme for SVAP Parameters

Color Classification				
SVAP Score (0 – 10)	0 – 2.5	2.6 – 5	5.1 – 7.5	7.6 – 10

## REACH A

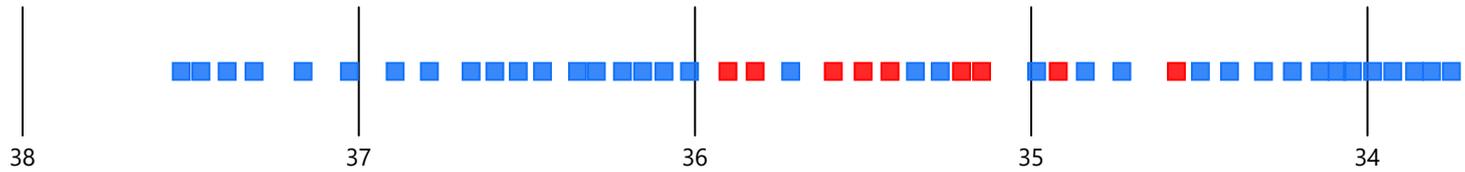
### Channel Conditions

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



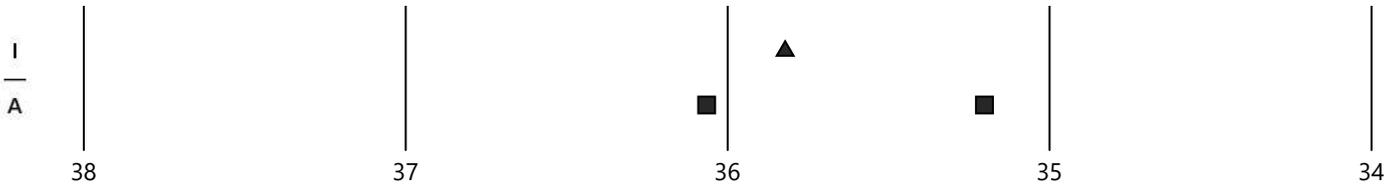
### Stream Bank Hardening

■ No ■ Yes



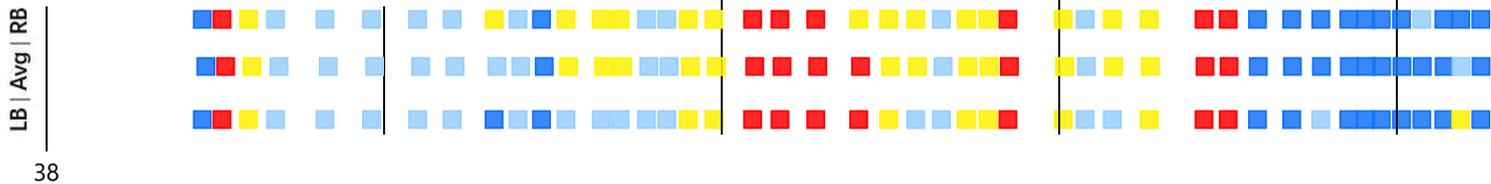
### Aggradation/Incision

■ Aggradation ▲ Incision



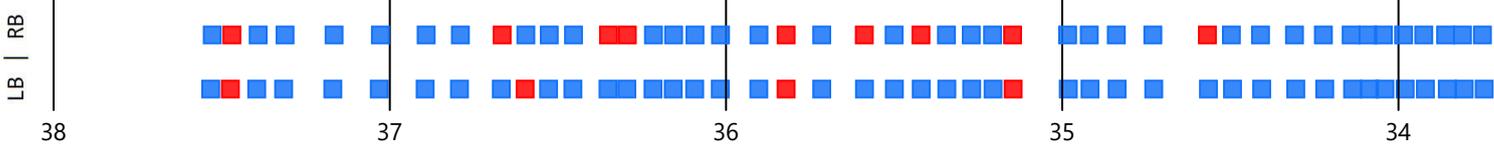
### Bank Stability

■ Excellent ■ Good ■ Mediocre ■ Poor



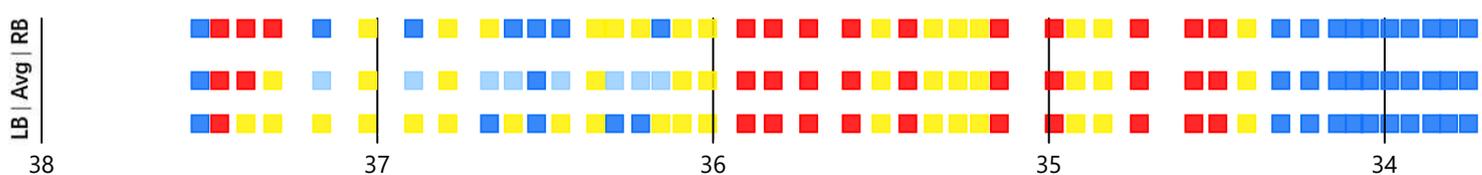
### Bank Condition

■ Hardened Structure ■ Natural



### Riparian Zone

Score ■ Excellent ■ Good ■ Mediocre ■ Poor

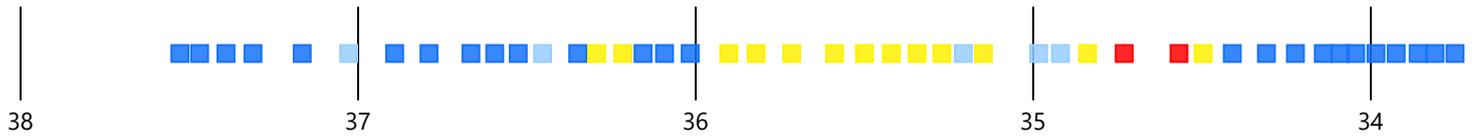


← FLOW DIRECTION
Creek Mile (37.53 at Tailwater, 33.75 at Headwater)
FLOW DIRECTION →

# REACH A

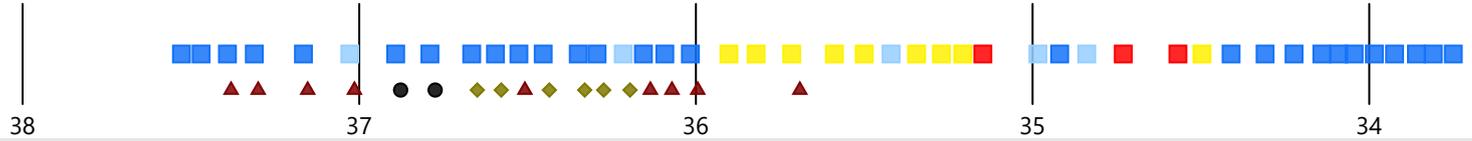
## Water Appearance

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



## Nutrient Enrichment

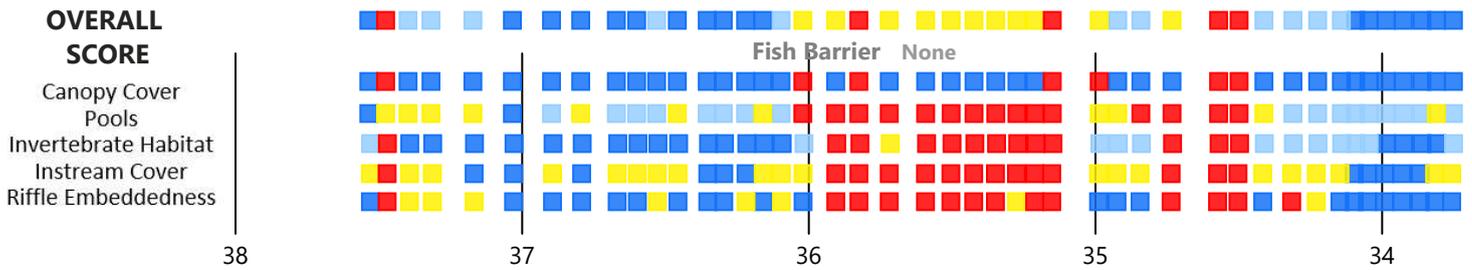
Score ■ Low ■ Mild ■ Moderate ■ Severe  
NE Notes ● Algal Growth ◆ Both ▲ Dense Aquatic Plant Beds



## Fish Habitat

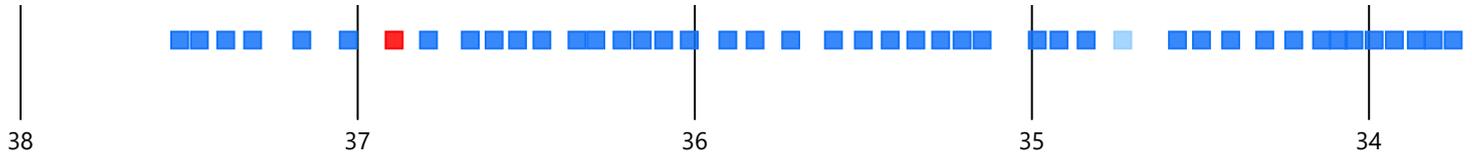
Score ■ Excellent ■ Good ■ Mediocre ■ Poor

Note: Overall Score of Fish Habitat was calculated by averaging scores for the five variables shown below.



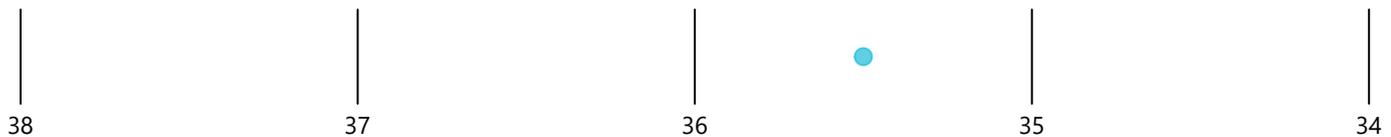
## Manure Presence

■ None ■ Evidence of Animals in Zone ■ Extensive Manure/CFO Pipe



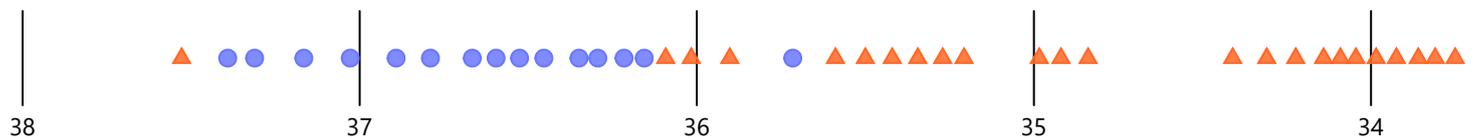
## Invasive Species

● Japanese Knotweed



## Aquatic Vegetation

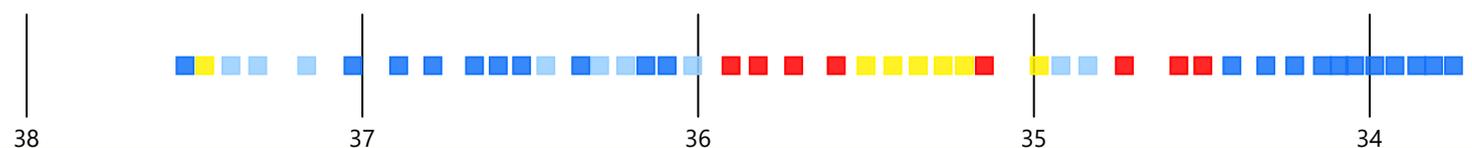
▲ Emergent ● Submergent



## OVERALL SVAP RATING

### ELLCOTT CREEK

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



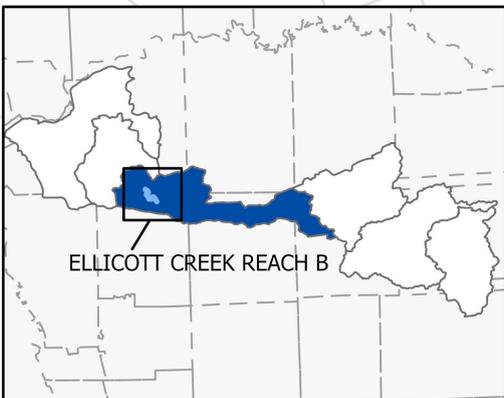
← FLOW DIRECTION Creek Mile (37.53 at Tailwater, 33.75 at Headwater) ← FLOW DIRECTION

# ELLICOTT CREEK

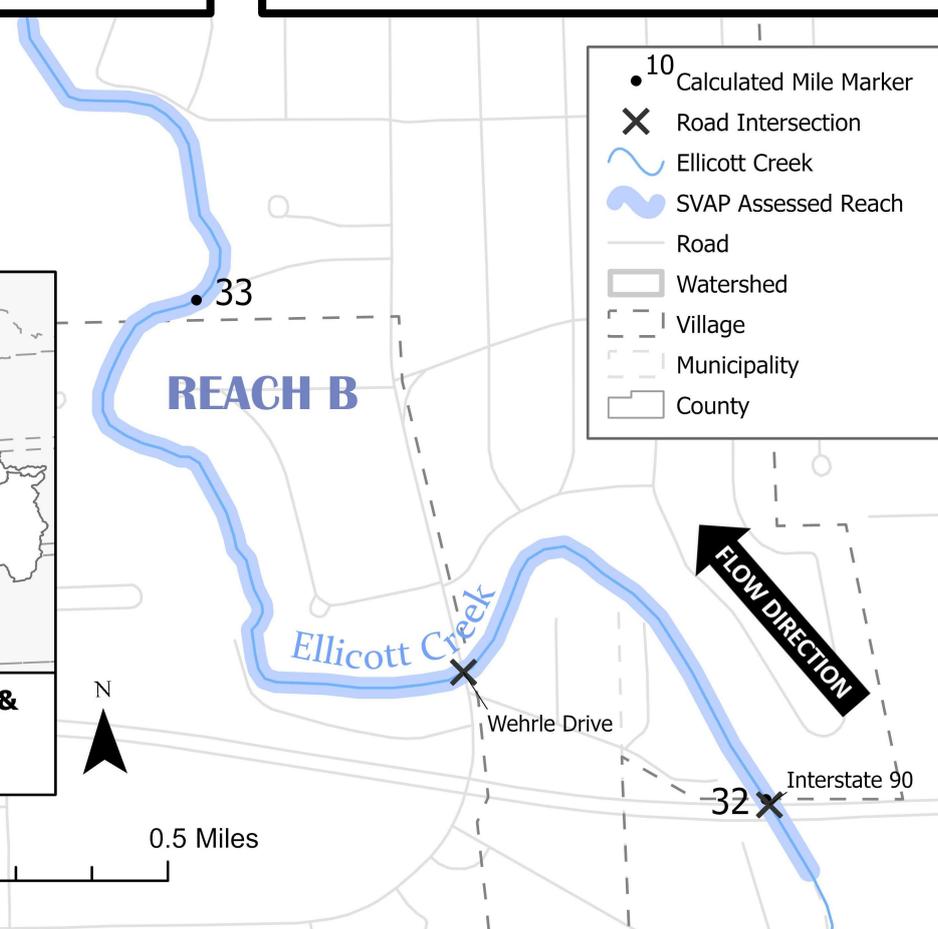
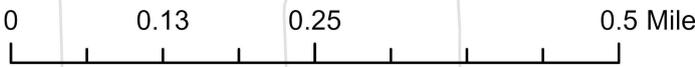
STREAM VISUAL ASSESSMENT PROTOCOL (SVAP) RESULTS FOR REACH B

AVERAGE OVERALL SVAP RATING: **5.7**

- 10 Calculated Mile Marker
- ✕ Road Intersection
- ~ Ellicott Creek
- ~ SVAP Assessed Reach
- Road
- ▭ Watershed
- - - Village
- - - Municipality
- ▭ County

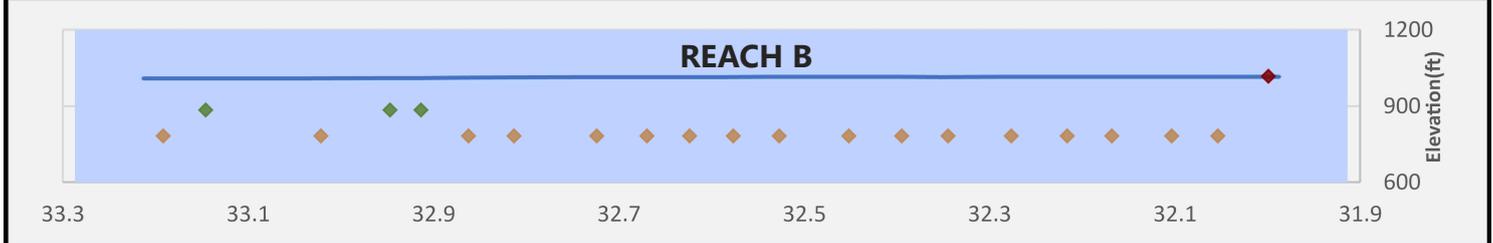


**VILLAGE OF WILLIAMSVILLE & ELLICOTT CREEK SUB-WATERSHED**

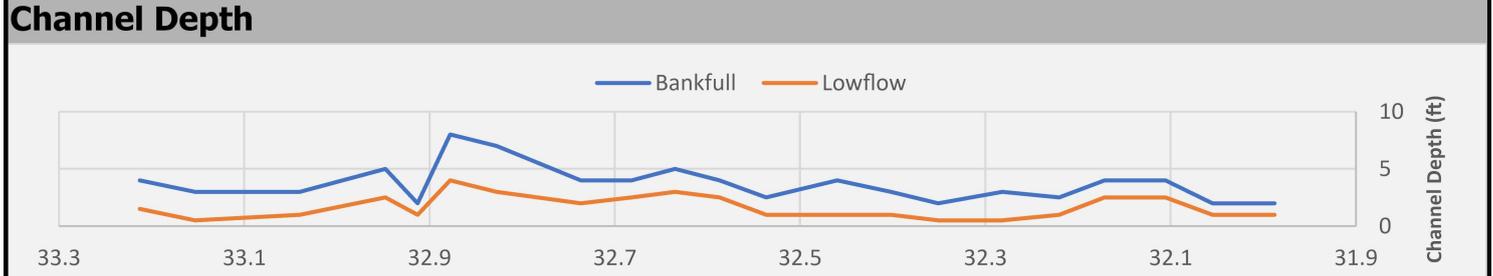


## Elevation Profile

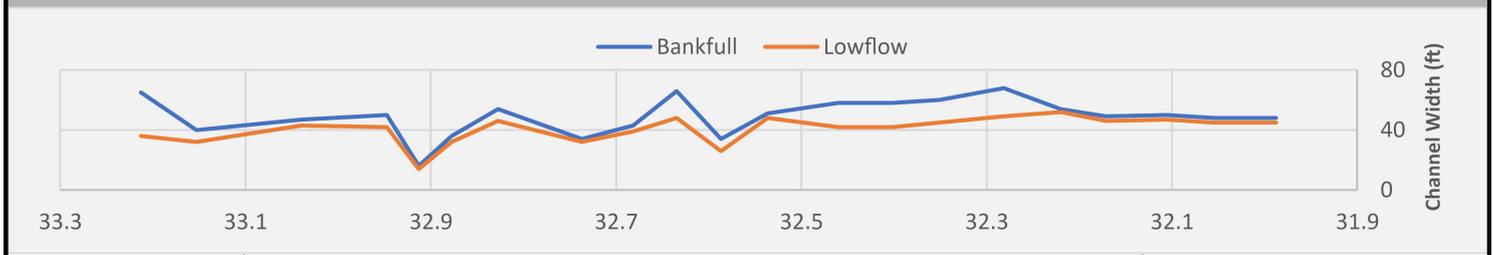
Substrate ◆ Bedrock/Concrete ◆ Cobble ◆ Gravel



## Channel Depth



## Channel Width



**← FLOW DIRECTION** Creek Mile (33.22 at Tailwater, 31.99 at Headwater) **← FLOW DIRECTION**

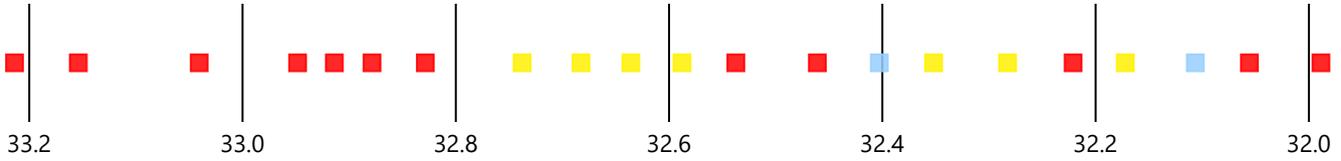
# Classification Scheme for SVAP Parameters

Color Classification				
SVAP Score (0 – 10)	0 – 2.5	2.6 – 5	5.1 – 7.5	7.6 – 10

## REACH B

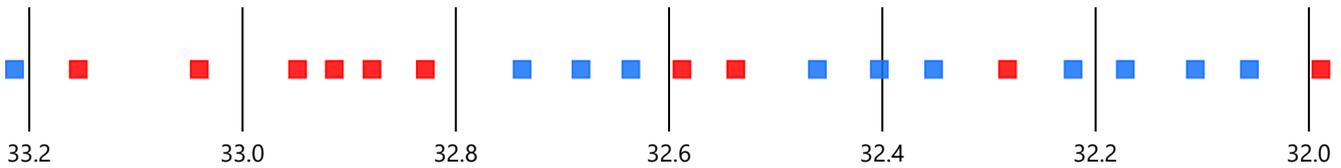
### Channel Conditions

Score ■ Good ■ Mediocre ■ Poor



### Stream Bank Hardening

■ No ■ Yes



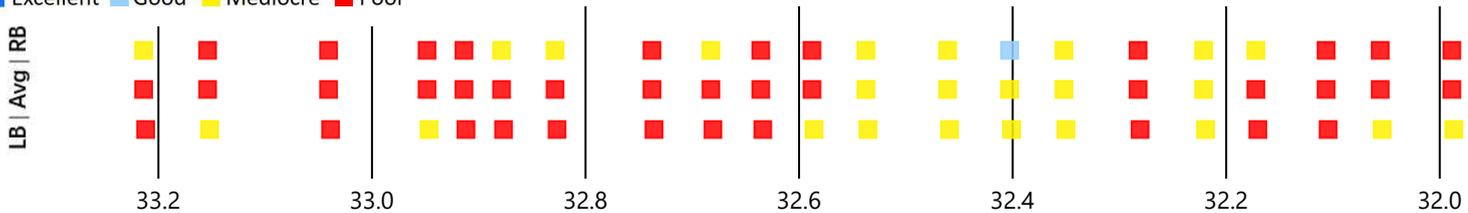
### Aggradation/Incision

■ Aggradation ▲ Incision



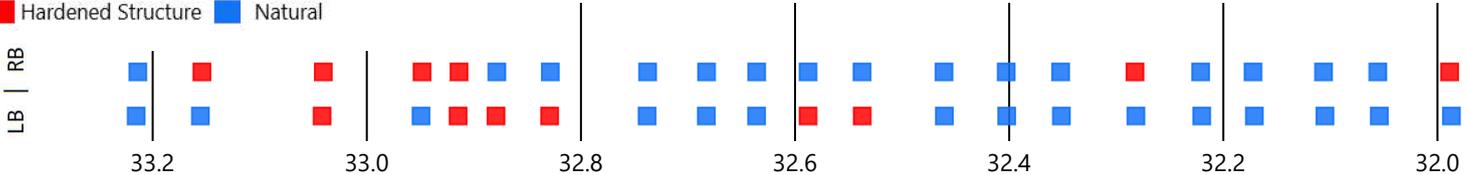
### Bank Stability

■ Excellent ■ Good ■ Mediocre ■ Poor



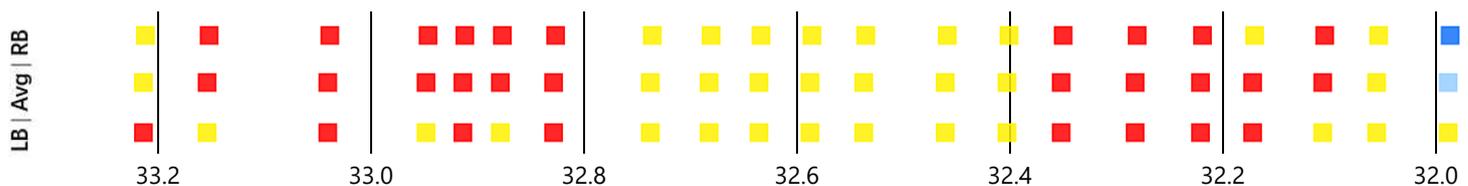
### Bank Condition

■ Hardened Structure ■ Natural



### Riparian Zone

Score ■ Good ■ Mediocre ■ Poor



← FLOW DIRECTION Creek Mile (33.22 at Tailwater, 31.99 at Headwater) ← FLOW DIRECTION

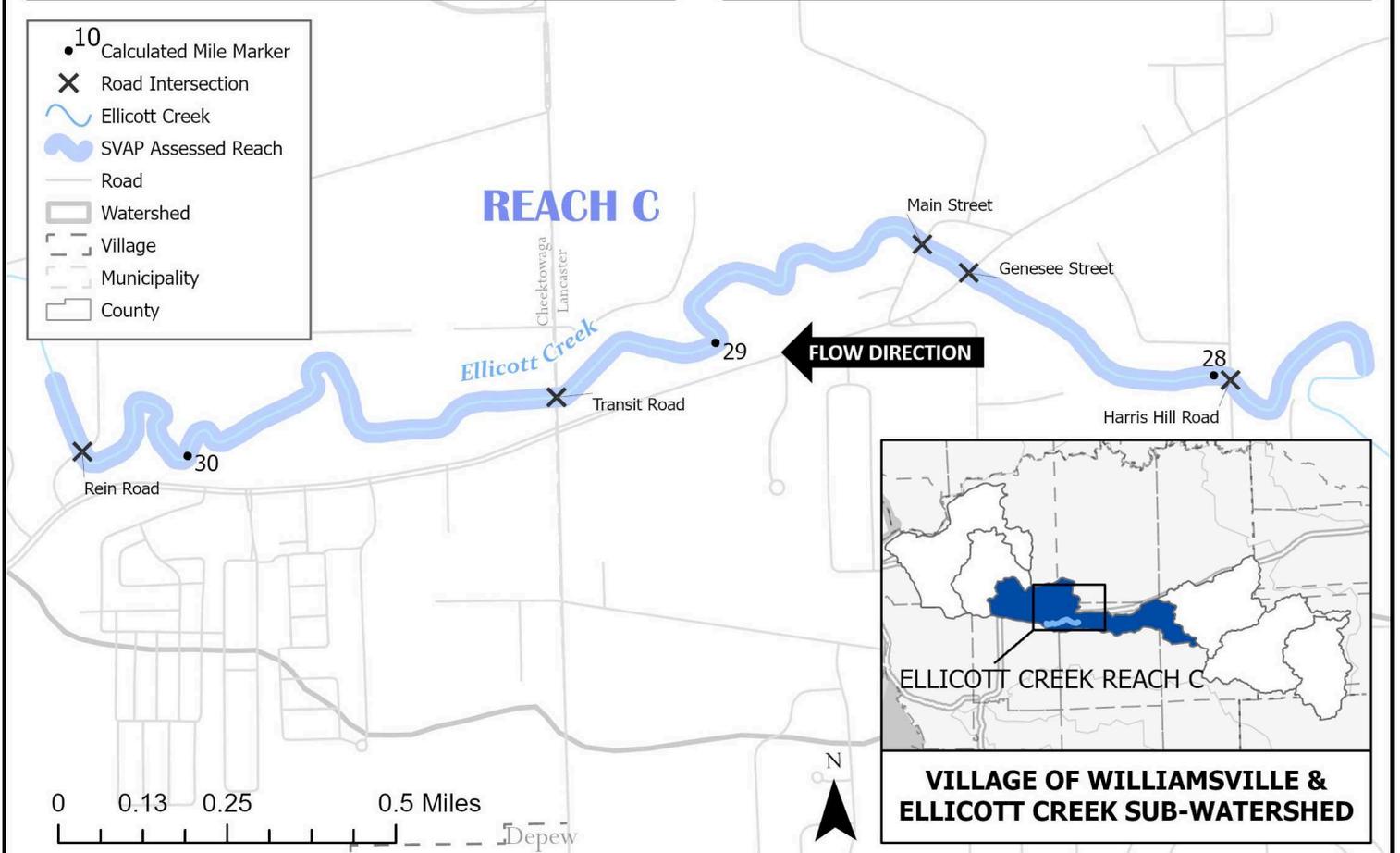


# ELLICOTT CREEK

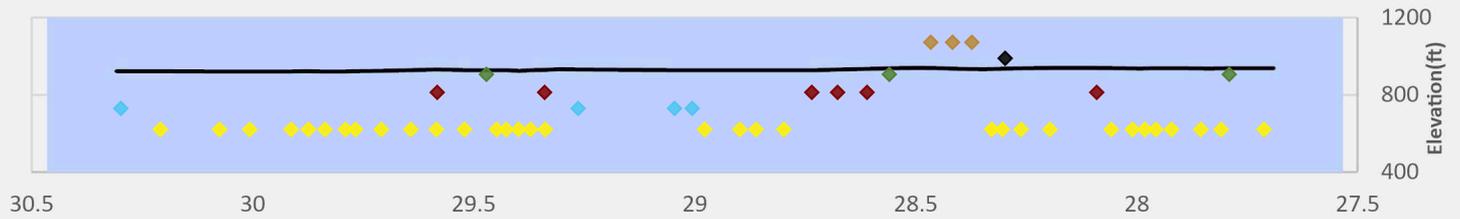
STREAM VISUAL ASSESSMENT PROTOCOL (SVAP) RESULTS FOR REACH C

AVERAGE OVERALL SVAP RATING: **6.0**

- 10 Calculated Mile Marker
- ✕ Road Intersection
- ~ Ellicott Creek
- ~ SVAP Assessed Reach
- Road
- ▭ Watershed
- - - Village
- - - Municipality
- - - County



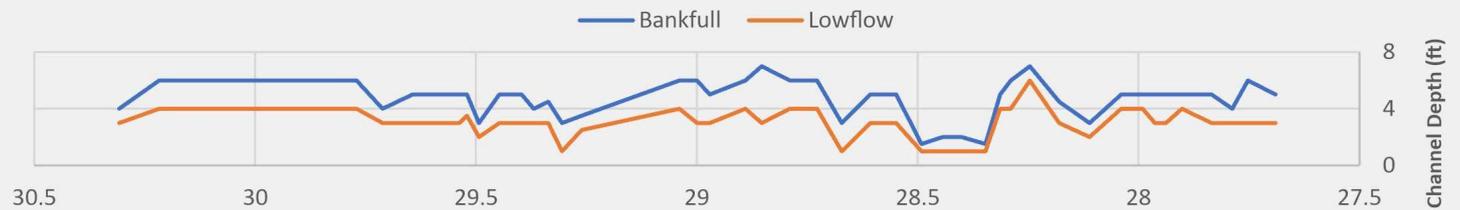
## Elevation Profile



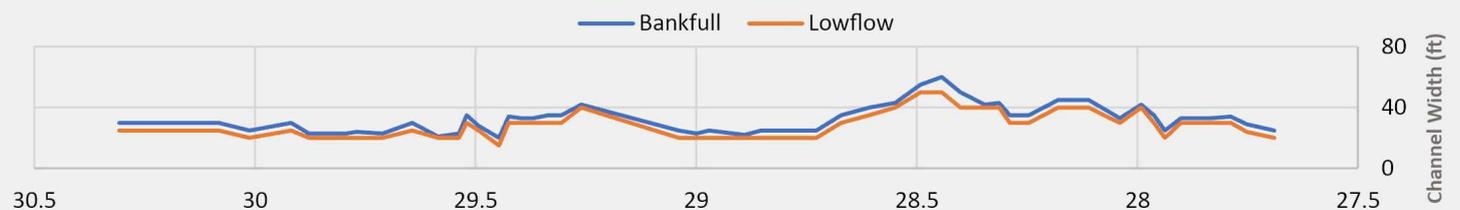
## REACH C

### Channel Depth

Substrate ◆ Bedrock/Concrete ◆ Boulder ◆ Cobble ◆ Gravel ◆ Sand ◆ Silt/Clay



### Channel Width



← FLOW DIRECTION Creek Mile (30.31 at Tailwater, 27.69 at Headwater) FLOW DIRECTION →

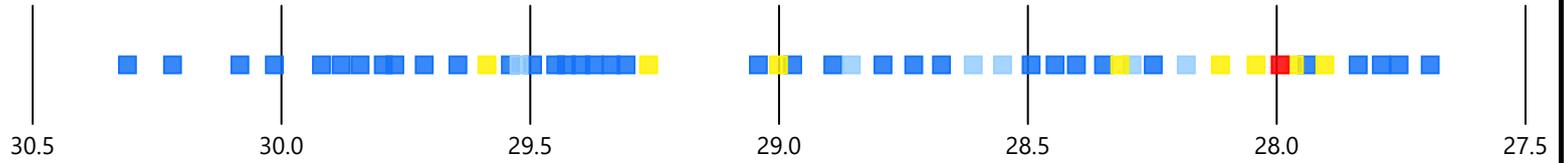
# Classification Scheme for SVAP Parameters

Color Classification				
SVAP Score (0 – 10)	0 – 2.5	2.6 – 5	5.1 – 7.5	7.6 – 10

REACH C

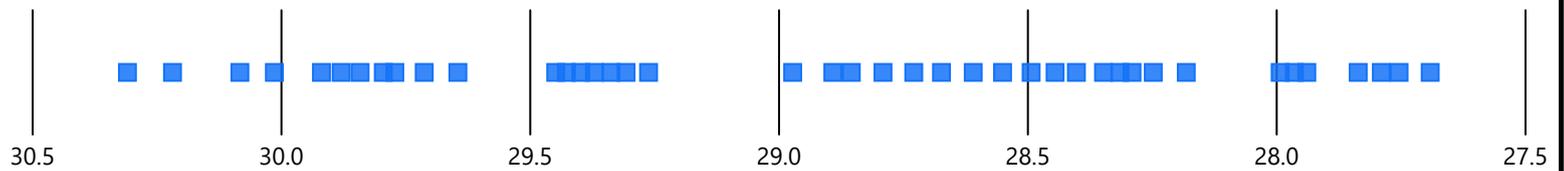
## Channel Conditions

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



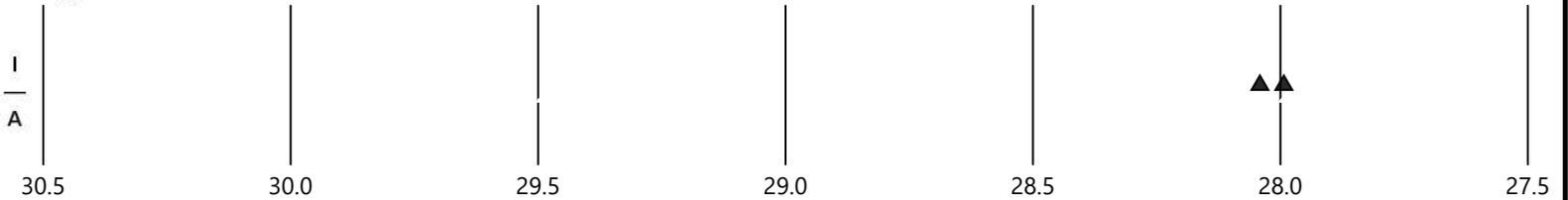
## Stream Bank Hardening

■ No



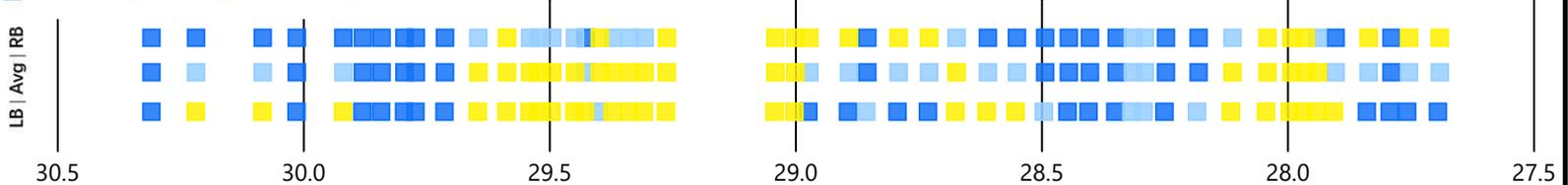
## Aggradation/Incision

■ Aggradation ▲ Incision



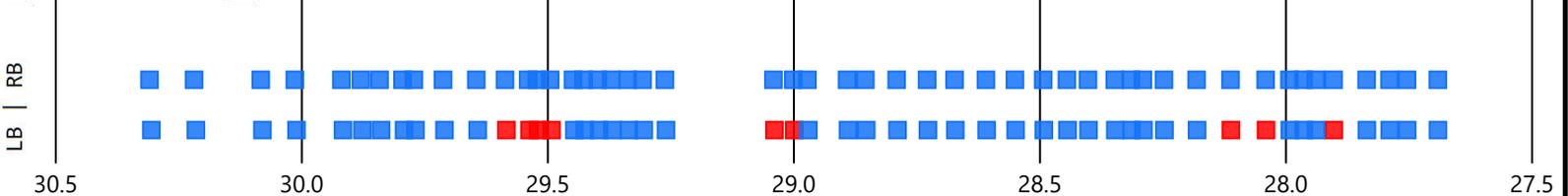
## Bank Stability

■ Excellent ■ Good ■ Mediocre ■ Poor



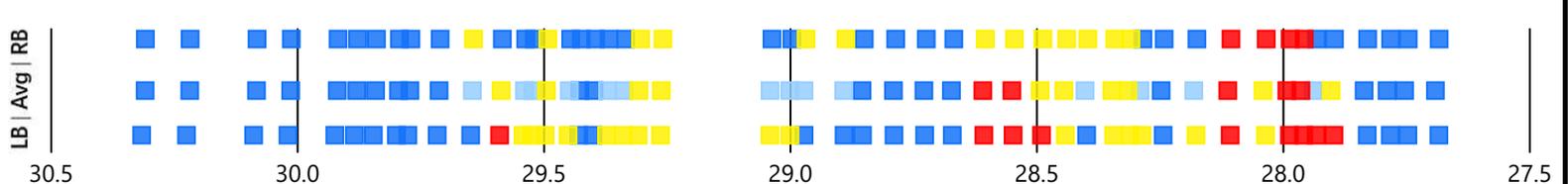
## Bank Condition

■ Hardened Structure ■ Natural



## Riparian Zone

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



← FLOW DIRECTION Creek Mile (30.31 at Tailwater, 27.69 at Headwater) FLOW DIRECTION →

# REACH C

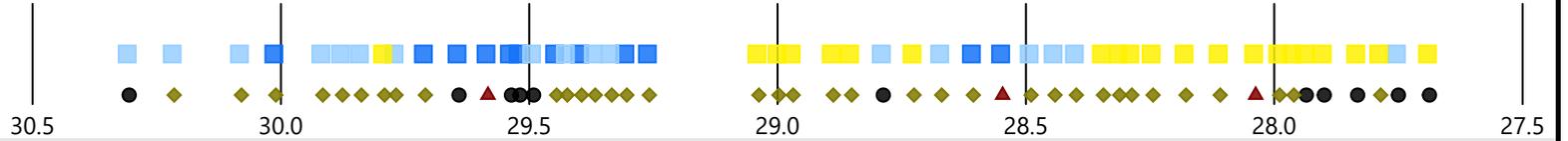
## Water Appearance

Score ■ Excellent ■ Good ■ Mediocre



## Nutrient Enrichment

Score ■ Low ■ Mild ■ Moderate  
NE Notes ● Algal Growth ◆ Both ▲ Dense Aquatic Plant Beds



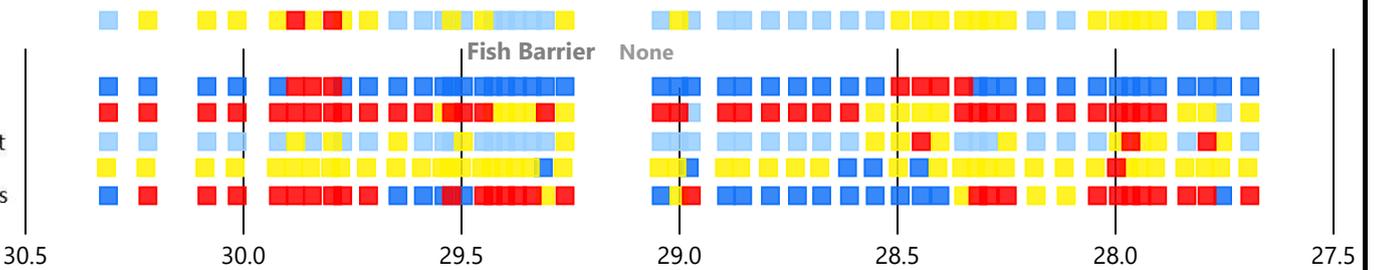
## Fish Habitat

Score ■ Excellent ■ Good ■ Mediocre ■ Poor

Note: Overall Score of Fish Habitat was calculated by averaging scores for the five variables shown below.

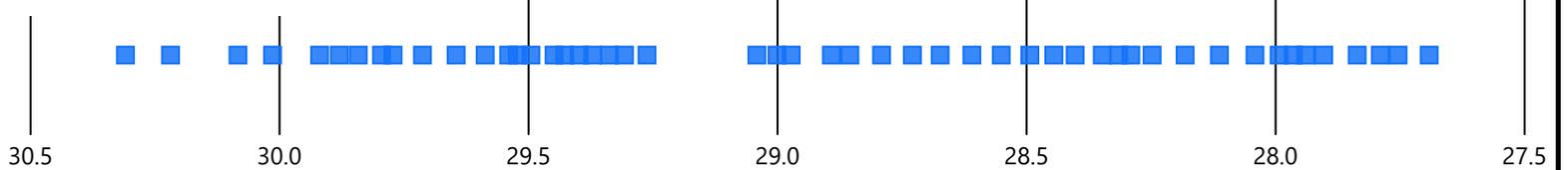
### OVERALL SCORE

Canopy Cover  
Pools  
Invertebrate Habitat  
Instream Cover  
Riffle Embeddedness



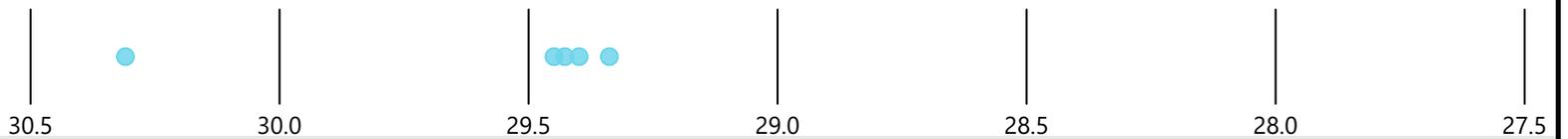
## Manure Presence

■ None



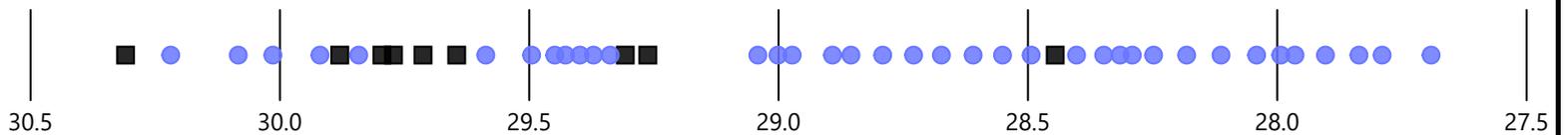
## Invasive Species

● Japanese Knotweed



## Aquatic Vegetation

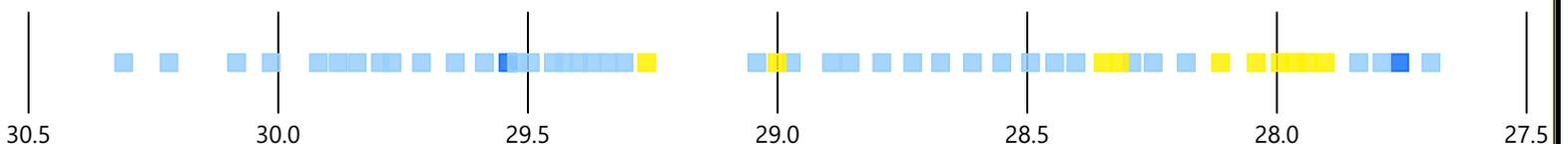
■ Both ● Submergent



## OVERALL SVAP RATING

### ELLICOTT CREEK

Score ■ Excellent ■ Good ■ Mediocre

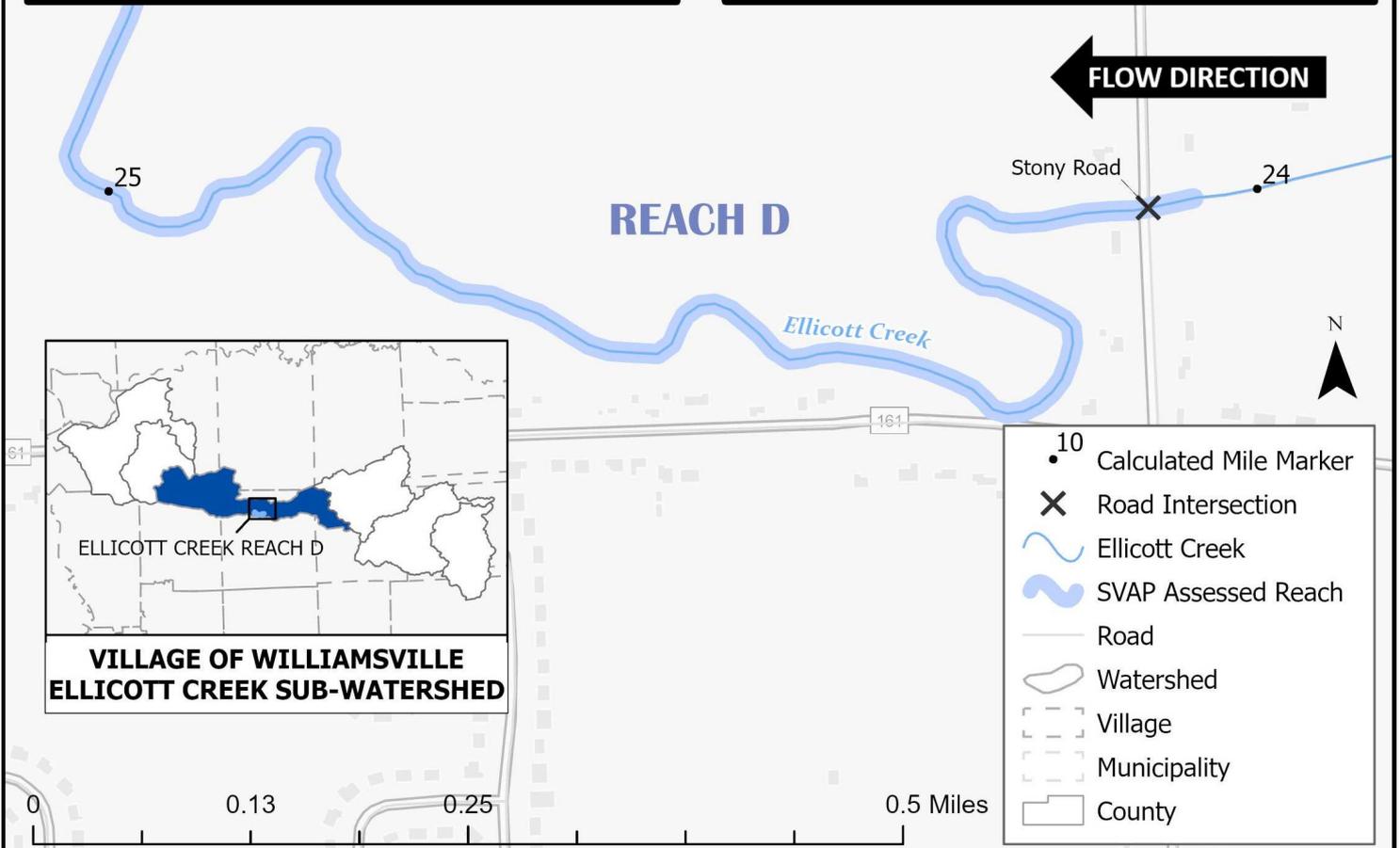


← FLOW DIRECTION Creek Mile (30.31 at Tailwater, 27.69 at Headwater) ← FLOW DIRECTION

# ELLICOTT CREEK

STREAM VISUAL ASSESSMENT PROTOCOL (SVAP) RESULTS FOR REACH D

AVERAGE OVERALL SVAP RATING: **5.9**

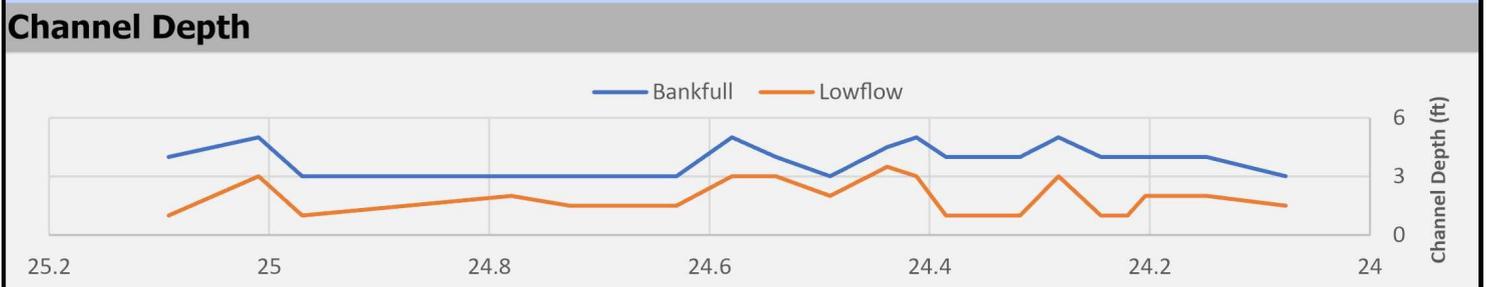


## Elevation Profile

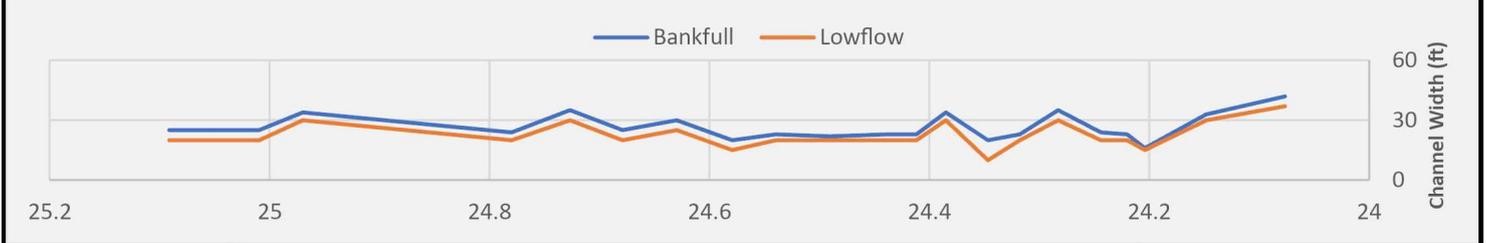
Substrate: ◆ Cobble ◆ Gravel ◆ Sand ◆ Silt/Clay



## Channel Depth



## Channel Width



**← FLOW DIRECTION** Creek Mile (25.09 at Tailwater, 24.08 at Headwater) **← FLOW DIRECTION**

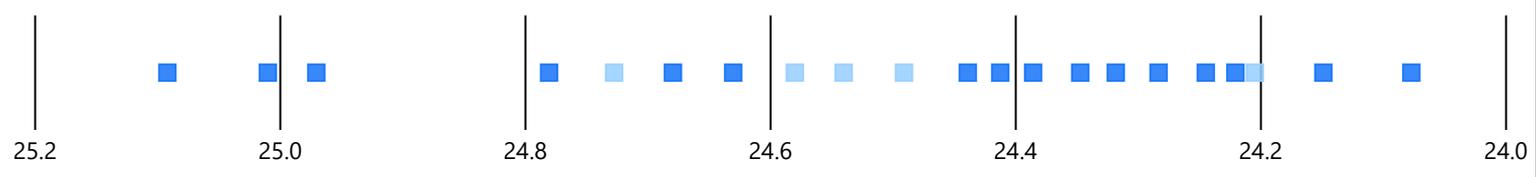
# Classification Scheme for SVAP Parameters

Color Classification				
SVAP Score (0 – 10)	0 – 2.5	2.6 – 5	5.1 – 7.5	7.6 – 10

## REACH D

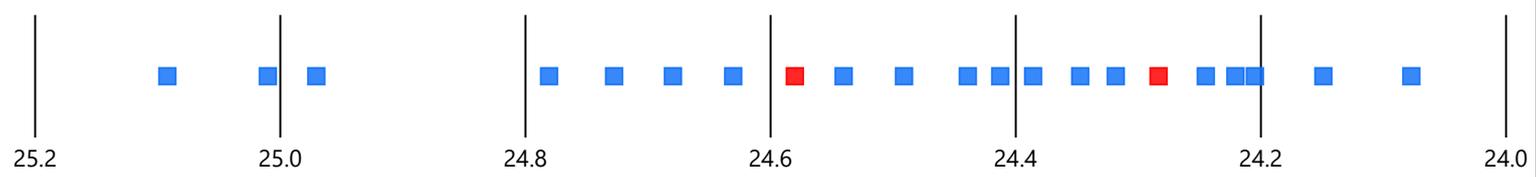
### Channel Conditions

Score ■ Excellent ■ Good



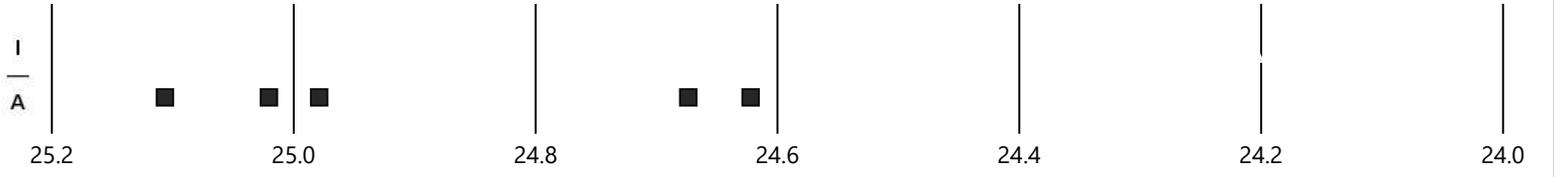
### Stream Bank Hardening

■ No ■ Yes



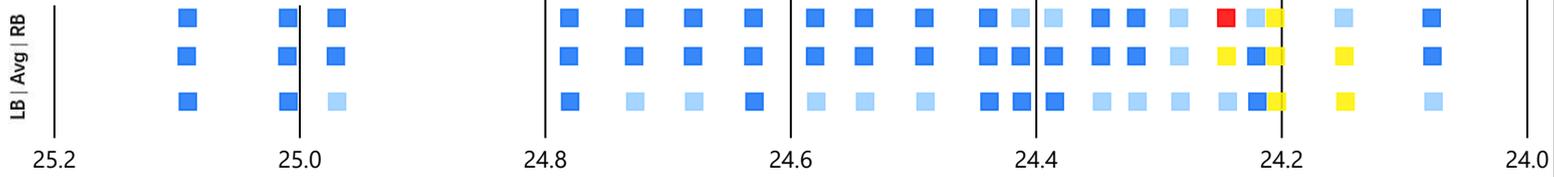
### Aggradation/Incision

■ Aggradation



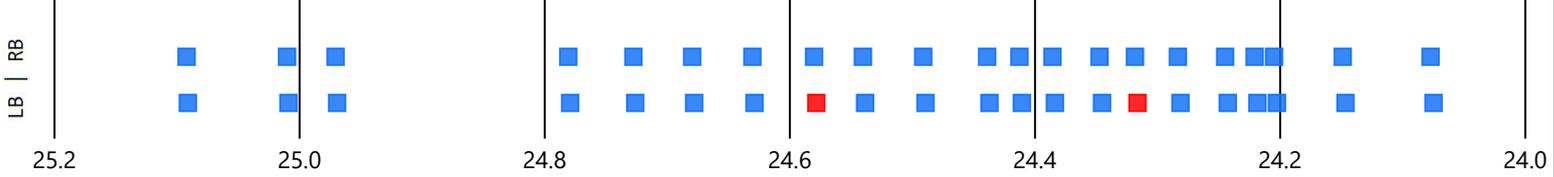
### Bank Stability

■ Excellent ■ Good ■ Mediocre ■ Poor



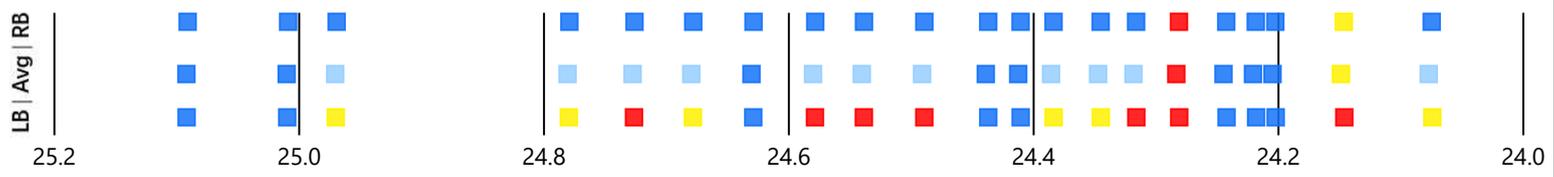
### Bank Condition

■ Hardened Structure ■ Natural



### Riparian Zone

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



# REACH D

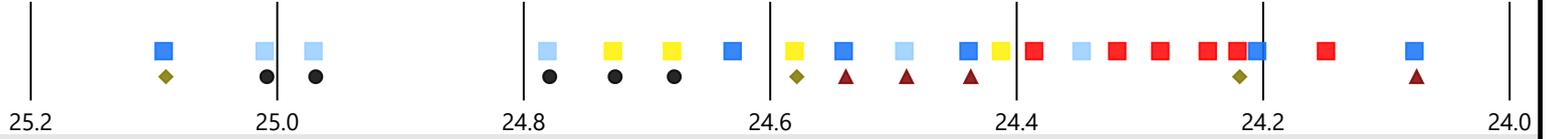
## Water Appearance

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



## Nutrient Enrichment

Score ■ Low ■ Mild ■ Moderate ■ Severe  
NE Notes ● Algal Growth ◆ Both ▲ Dense Aquatic Plant Beds

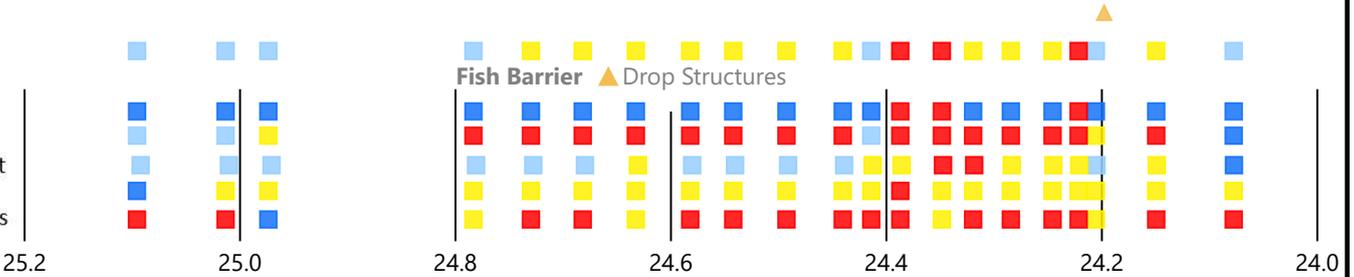


## Fish Habitat

Score ■ Excellent ■ Good ■ Mediocre ■ Poor *Note: Overall Score of Fish Habitat was calculated by averaging scores for the five variables shown below.*

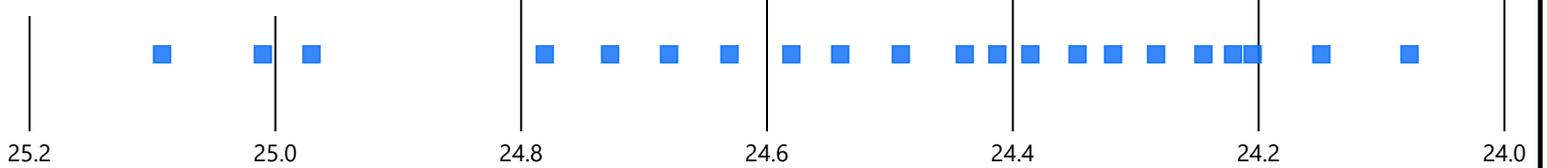
### OVERALL SCORE

- Canopy Cover
- Pools
- Invertebrate Habitat
- Instream Cover
- Riffle Embeddedness



## Manure Presence

■ None



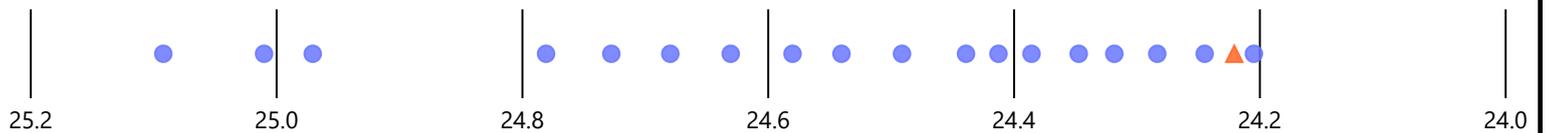
## Invasive Species

None Observed



## Aquatic Vegetation

▲ Emergent ● Submergent



## OVERALL SVAP RATING

## ELLCOTT CREEK

■ Excellent ■ Good ■ Mediocre



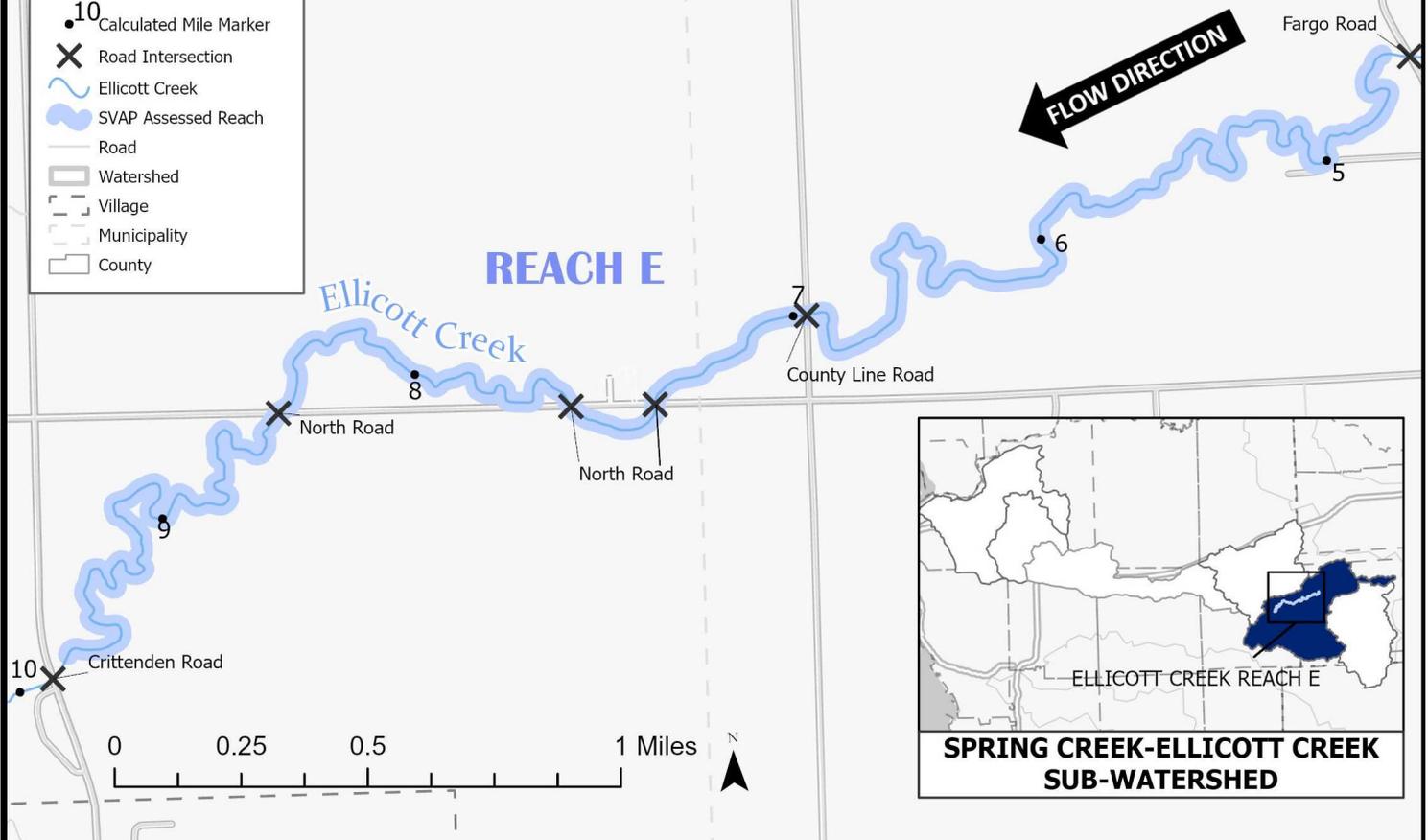
← FLOW DIRECTION Creek Mile (25.09 at Tailwater, 24.08 at Headwater) ← FLOW DIRECTION

# ELLICOTT CREEK

STREAM VISUAL ASSESSMENT PROTOCOL (SVAP) RESULTS FOR REACH E

AVERAGE OVERALL SVAP RATING: **7.2**

- 10 Calculated Mile Marker
- ✕ Road Intersection
- ~ Ellicott Creek
- ~ SVAP Assessed Reach
- Road
- ▭ Watershed
- - - Village
- - - Municipality
- ▭ County

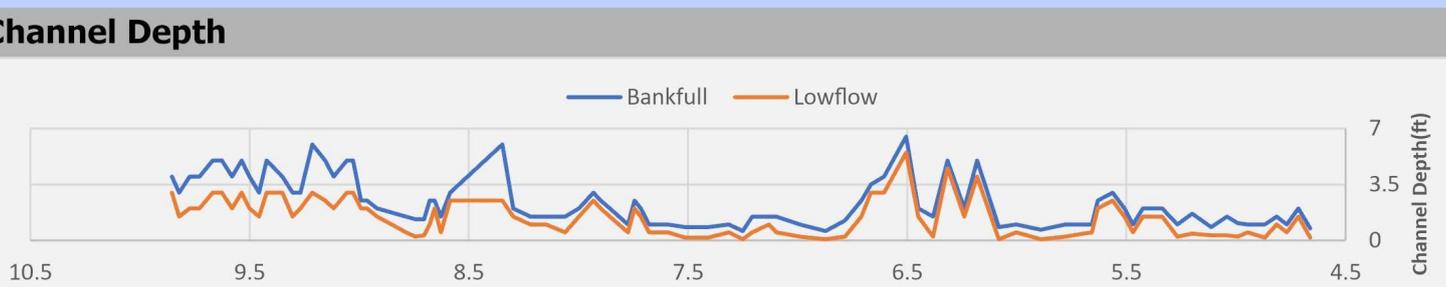


## Elevation Profile

Substrate: ◆ Bedrock/Concrete ◆ Boulder ◆ Cobble ◆ Gravel ◆ Sand ◆ Silt/Clay



## Channel Depth



## Channel Width



← FLOW DIRECTION Creek Mile (9.85 at Tailwater, 4.66 at Headwater) FLOW DIRECTION →

# Classification Scheme for SVAP Parameters

Color Classification				
SVAP Score (0 – 10)	0 – 2.5	2.6 – 5	5.1 – 7.5	7.6 – 10

## REACH E

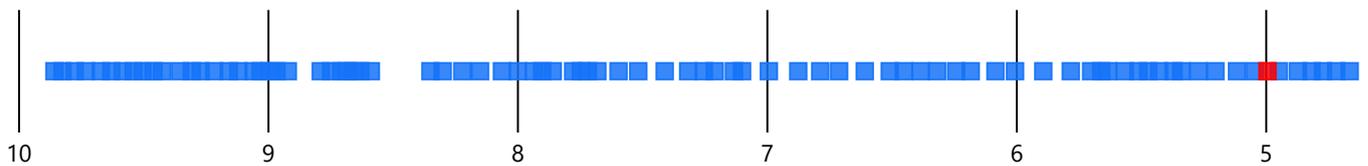
### Channel Conditions

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



### Stream Bank Hardening

■ No ■ Yes



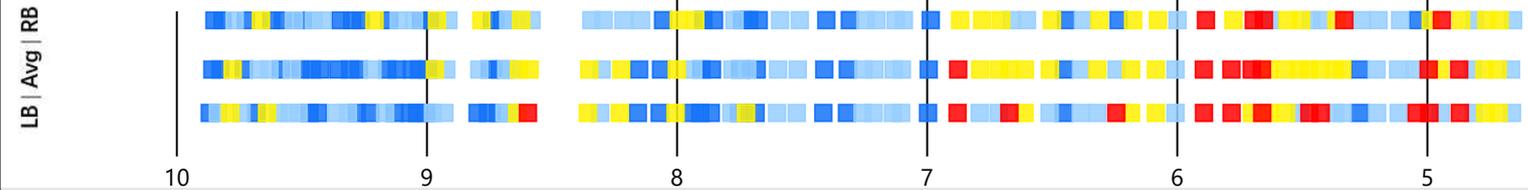
### Aggradation/Incision

■ Aggradation ▲ Incision



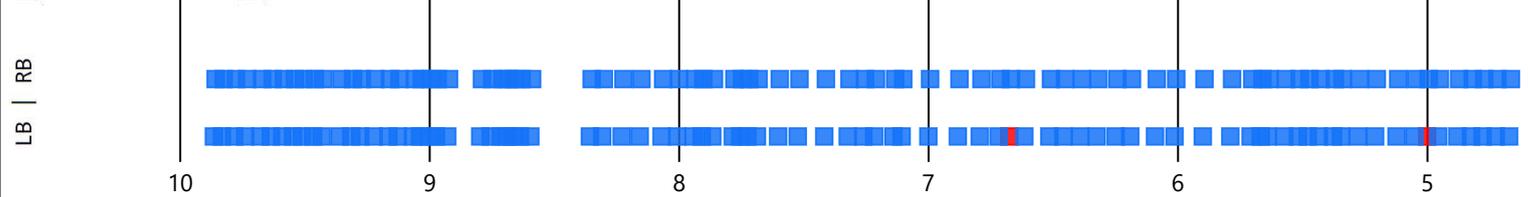
### Bank Stability

■ Excellent ■ Good ■ Mediocre ■ Poor



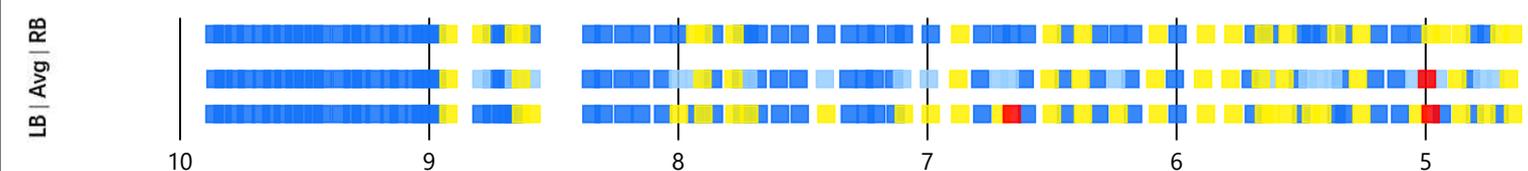
### Bank Condition

■ Hardened Structure ■ Natural



### Riparian Zone

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



REACH E

Water Appearance

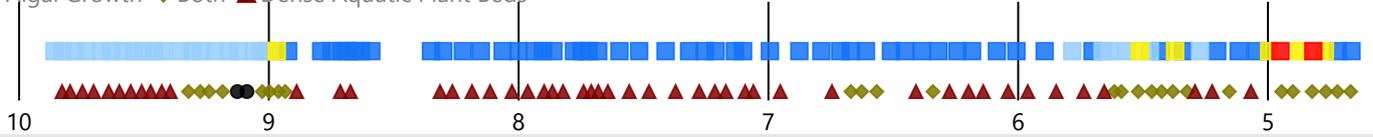
Score Excellent Good Mediocre Poor



Nutrient Enrichment

Score Low Mild Moderate Severe

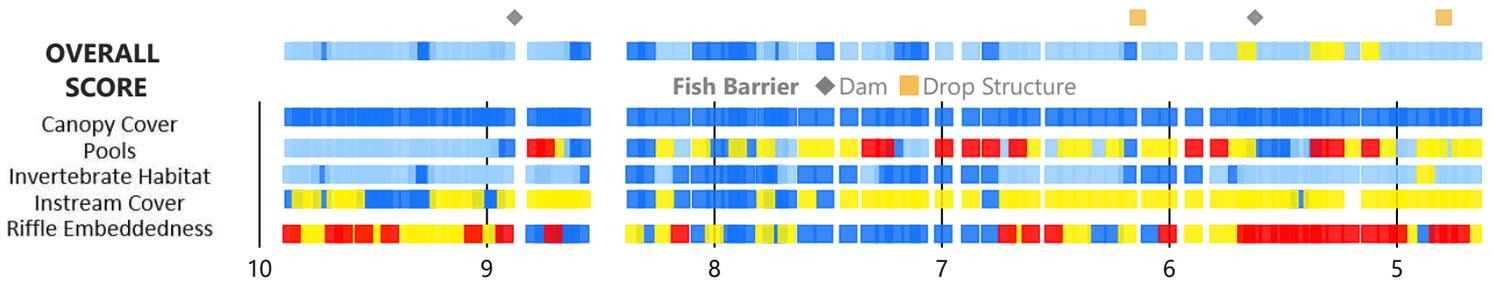
NE Notes Algal Growth Both Dense Aquatic Plant Beds



Fish Habitat

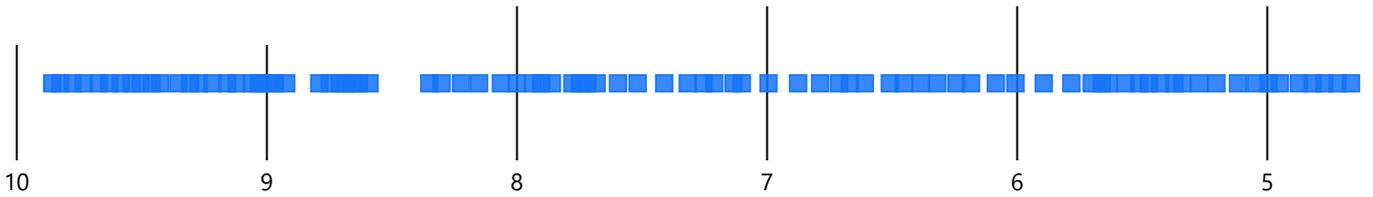
Score Excellent Good Mediocre Poor

Note: Overall Score of Fish Habitat was calculated by averaging scores for the five variables shown below.



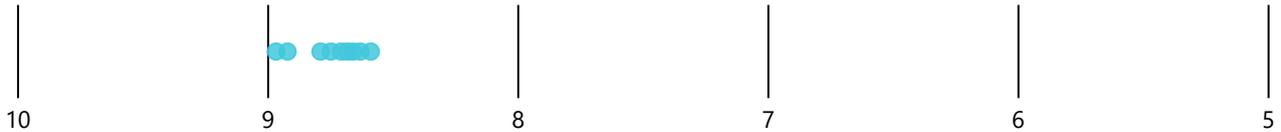
Manure Presence

None



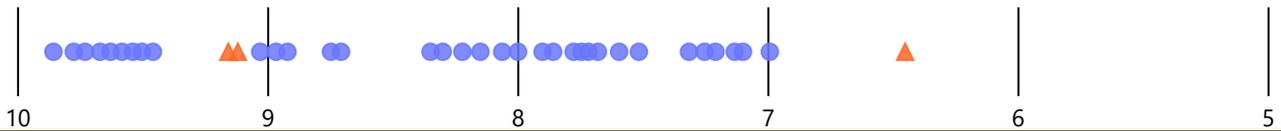
Invasive Species

Japanese Knotweed



Aquatic Vegetation

Emergent Submergent



OVERALL SVAP RATING

ELLCOTT CREEK

Excellent Good Mediocre



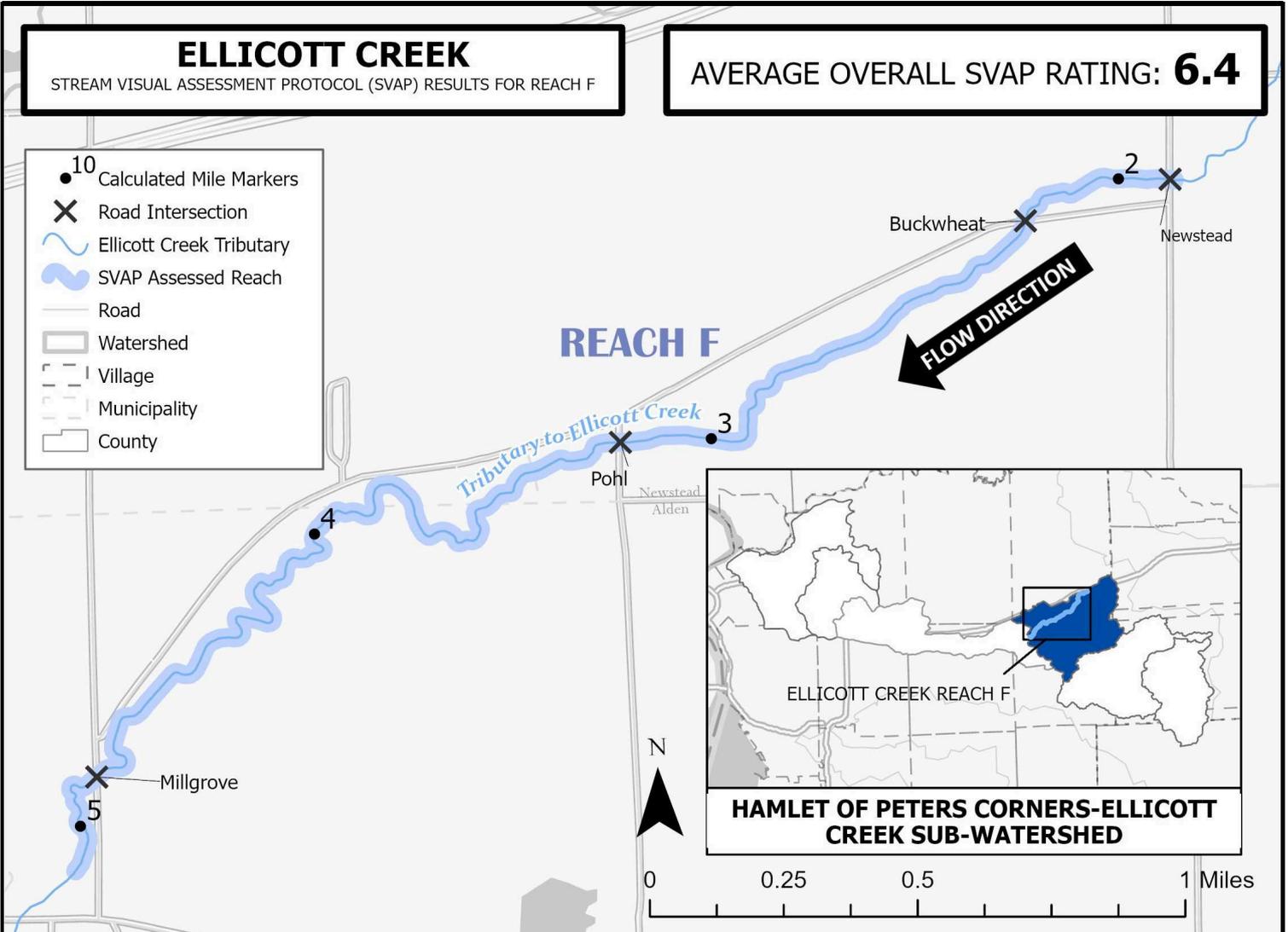
Flow Direction Creek Mile (9.85 at Tailwater, 4.66 at Headwater) Flow Direction

# ELLICOTT CREEK

STREAM VISUAL ASSESSMENT PROTOCOL (SVAP) RESULTS FOR REACH F

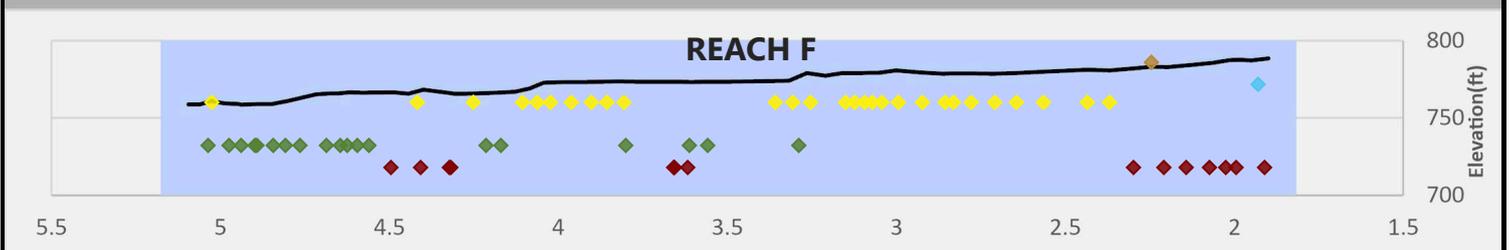
AVERAGE OVERALL SVAP RATING: **6.4**

- 10 Calculated Mile Markers
- ✕ Road Intersection
- ~ Ellicott Creek Tributary
- ~ SVAP Assessed Reach
- Road
- ▭ Watershed
- - - Village
- - - Municipality
- ▭ County

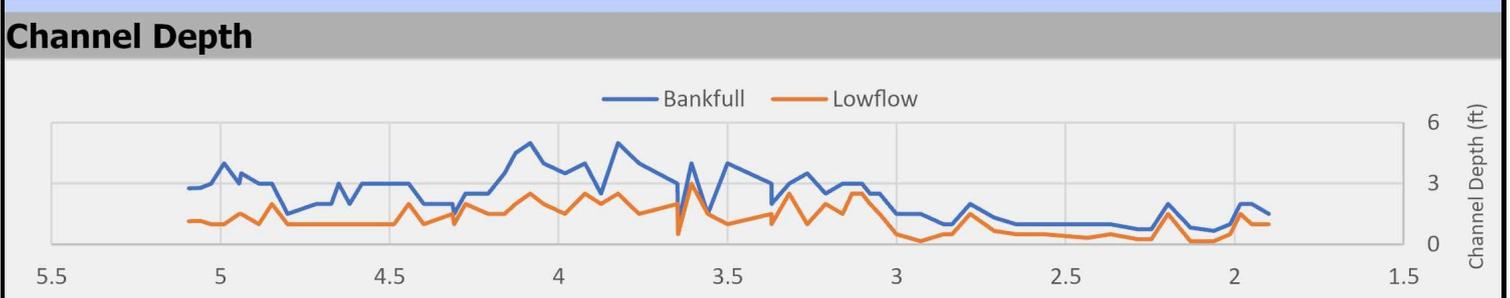


## Elevation Profile

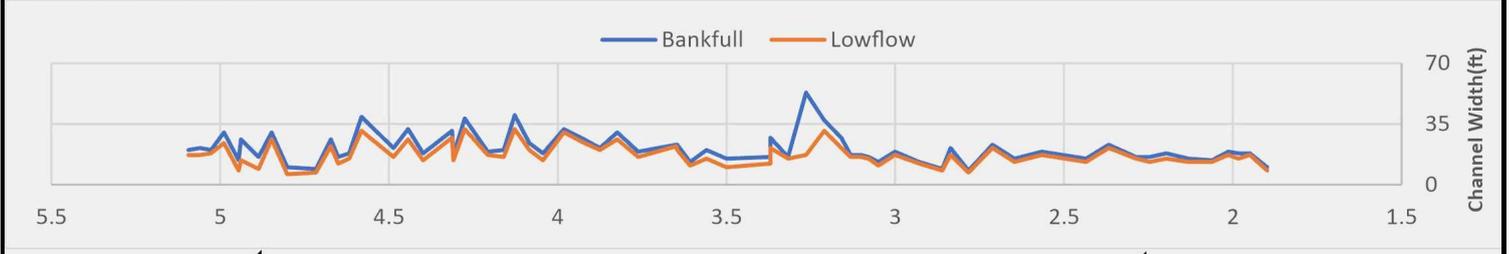
Substrate: ◆ Bedrock/Concrete ◆ Boulder ◆ Cobble ◆ Gravel ◆ Sand ◆ Silt/Clay



## Channel Depth



## Channel Width



← FLOW DIRECTION Creek Mile (5.09 at Tailwater, 1.89 at Headwater) FLOW DIRECTION →

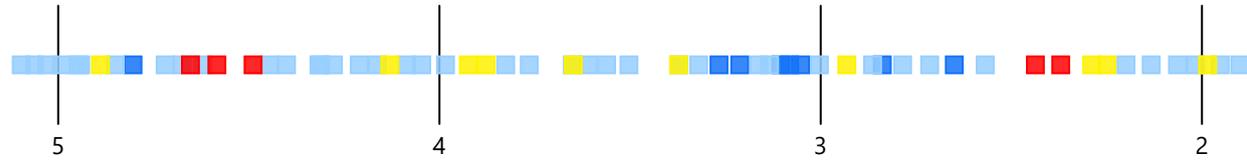
# Classification Scheme for SVAP Parameters

Color Classification				
SVAP Score (0 – 10)	0 – 2.5	2.6 – 5	5.1 – 7.5	7.6 – 10

REACH F

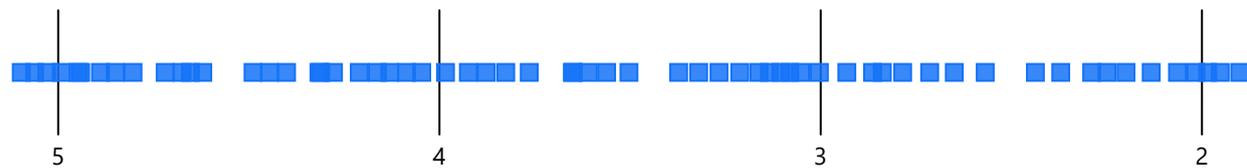
## Channel Conditions

Score ■ Excellent ■ Good ■ Mediocre ■ Poor



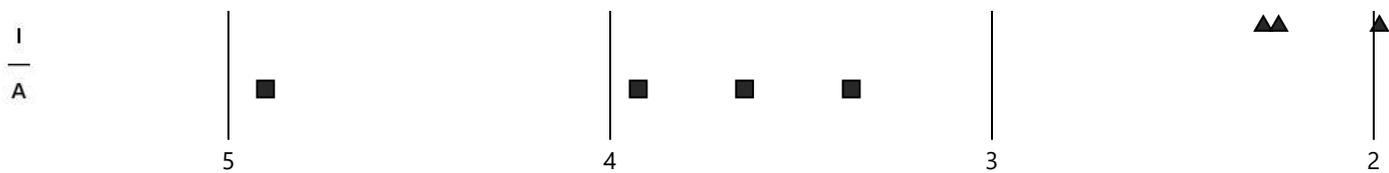
## Stream Bank Hardening

■ No



## Aggradation/Incision

■ Aggradation ▲ Incision



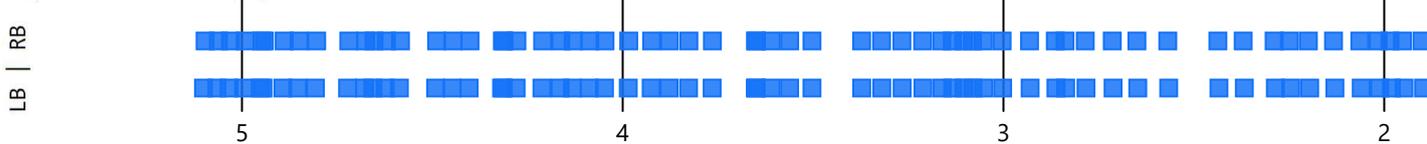
## Bank Stability

■ Excellent ■ Good ■ Mediocre ■ Poor



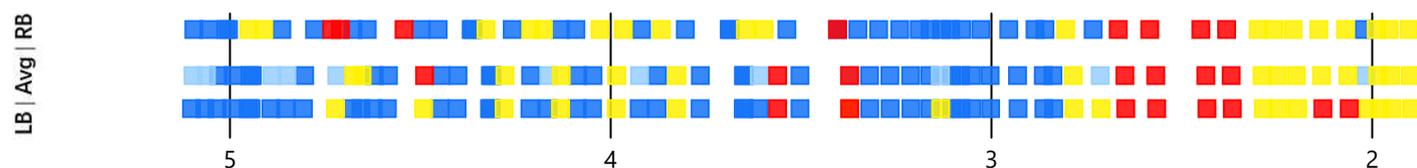
## Bank Condition

■ Hardened Structure ■ Natural



## Riparian Zone

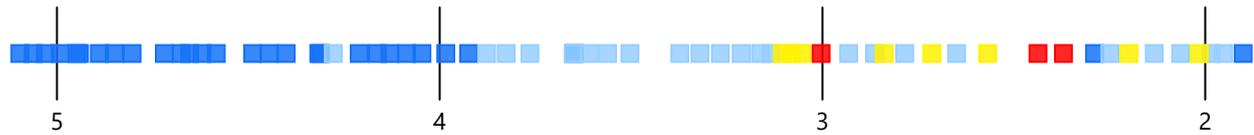
Score ■ Excellent ■ Good ■ Mediocre ■ Poor



REACH F

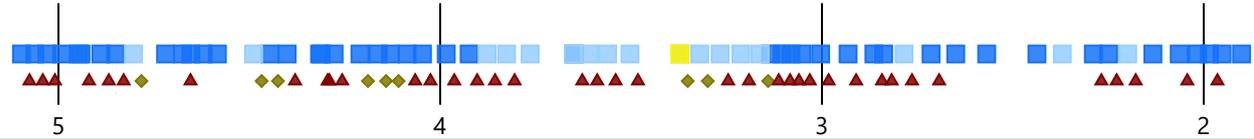
Water Appearance

Score Excellent Good Mediocre Poor



Nutrient Enrichment

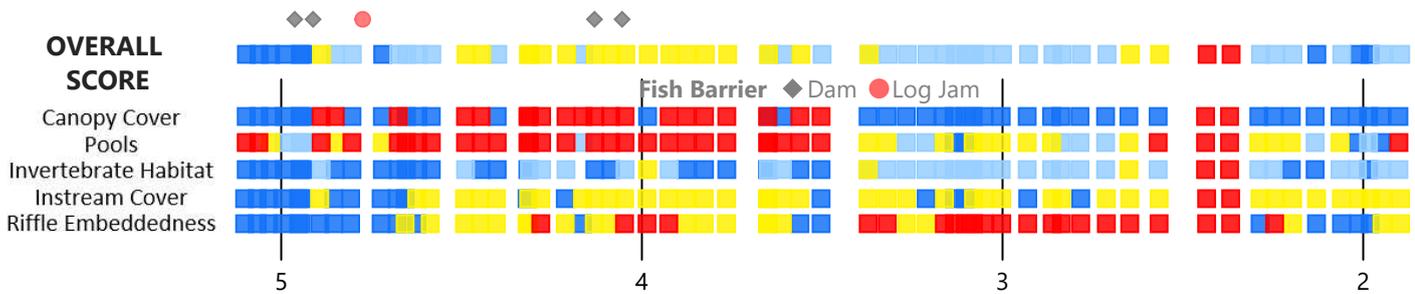
Score Low Mild Moderate NE Notes Both Dense Aquatic Plant Beds



Fish Habitat

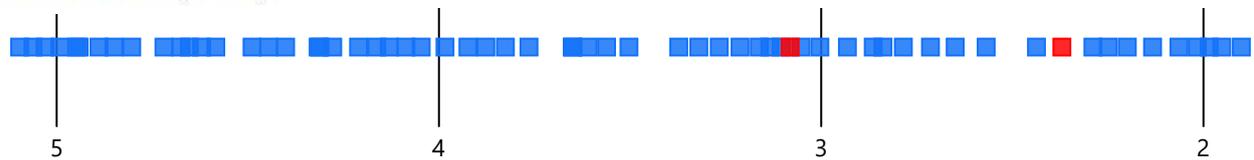
Score Excellent Good Mediocre Poor

Note: Overall Score of Fish Habitat was calculated by averaging scores for the five variables shown below.



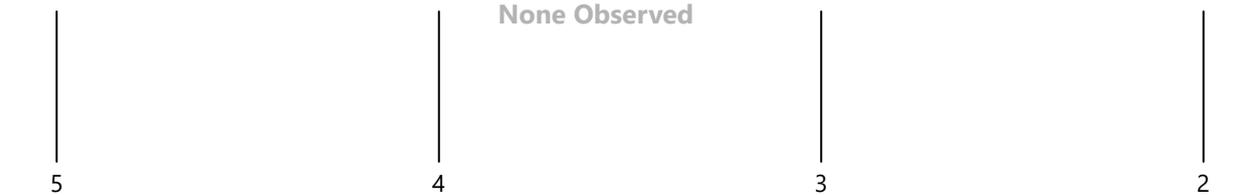
Manure Presence

None Extensive Manure/CFO Pipe



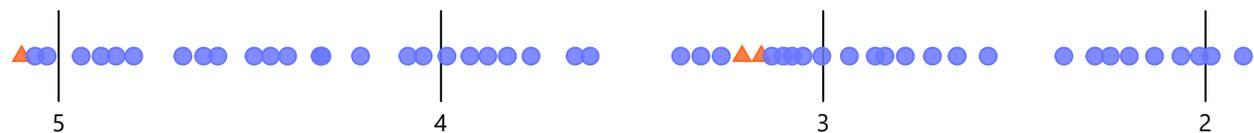
Invasive Species

None Observed



Aquatic Vegetation

Emergent Submerged



OVERALL SVAP RATING

TRIBUTARY TO ELLICOTT CREEK

Excellent Good Mediocre Poor



Flow direction arrows and Creek Mile (5.09 at Tailwater, 1.89 at Headwater)