Crossing Prioritization Tool

About | Map | Data | Docs

Legend | Crossing Detail

Crossings

Total Prioritization Score

Total Benefit

- 17 - 20
- 13 - 16
- 9 - 12
- 4 - 8
- No Score

Reference

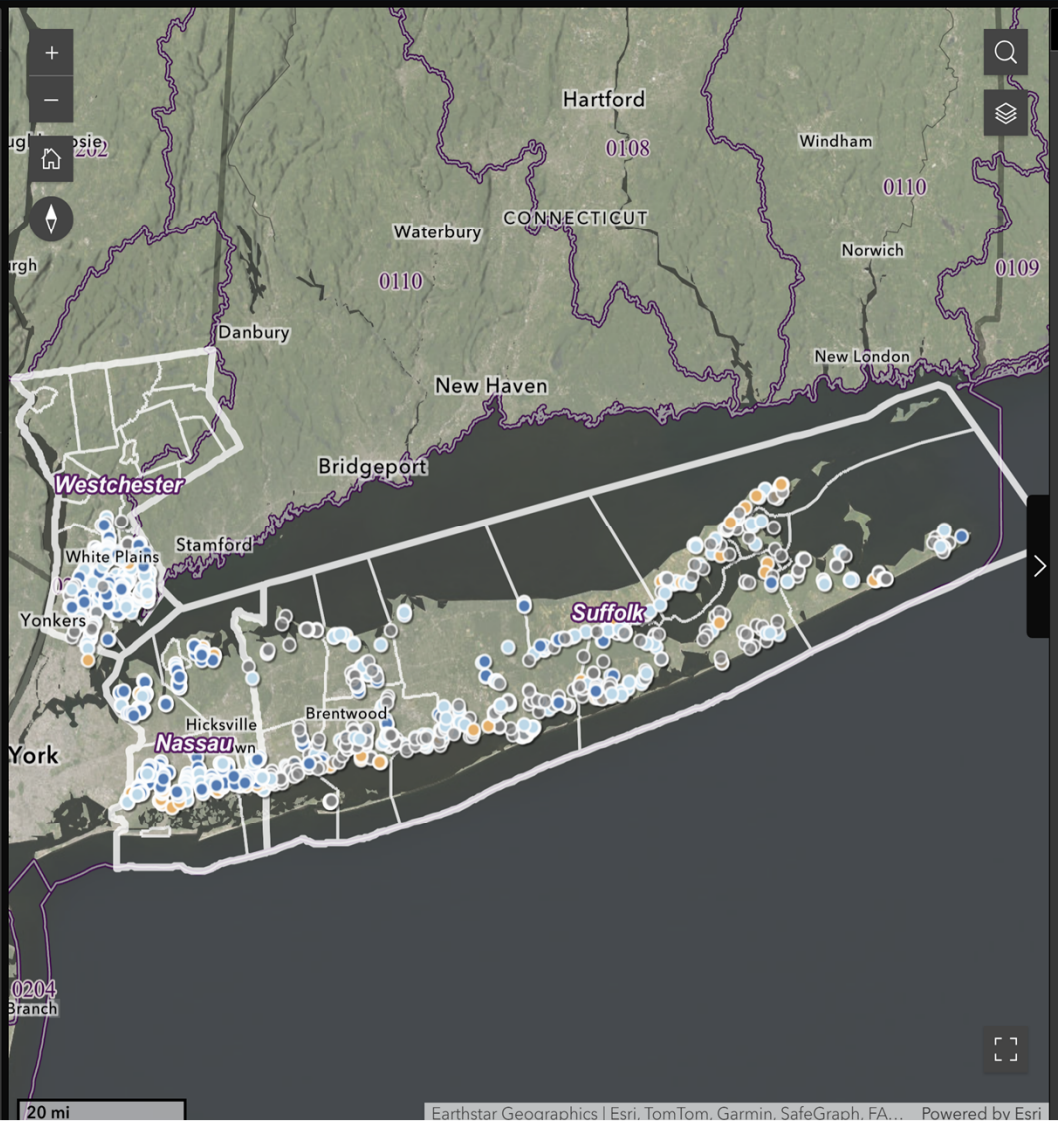
NYS Civil Boundaries

Counties

Cities Towns

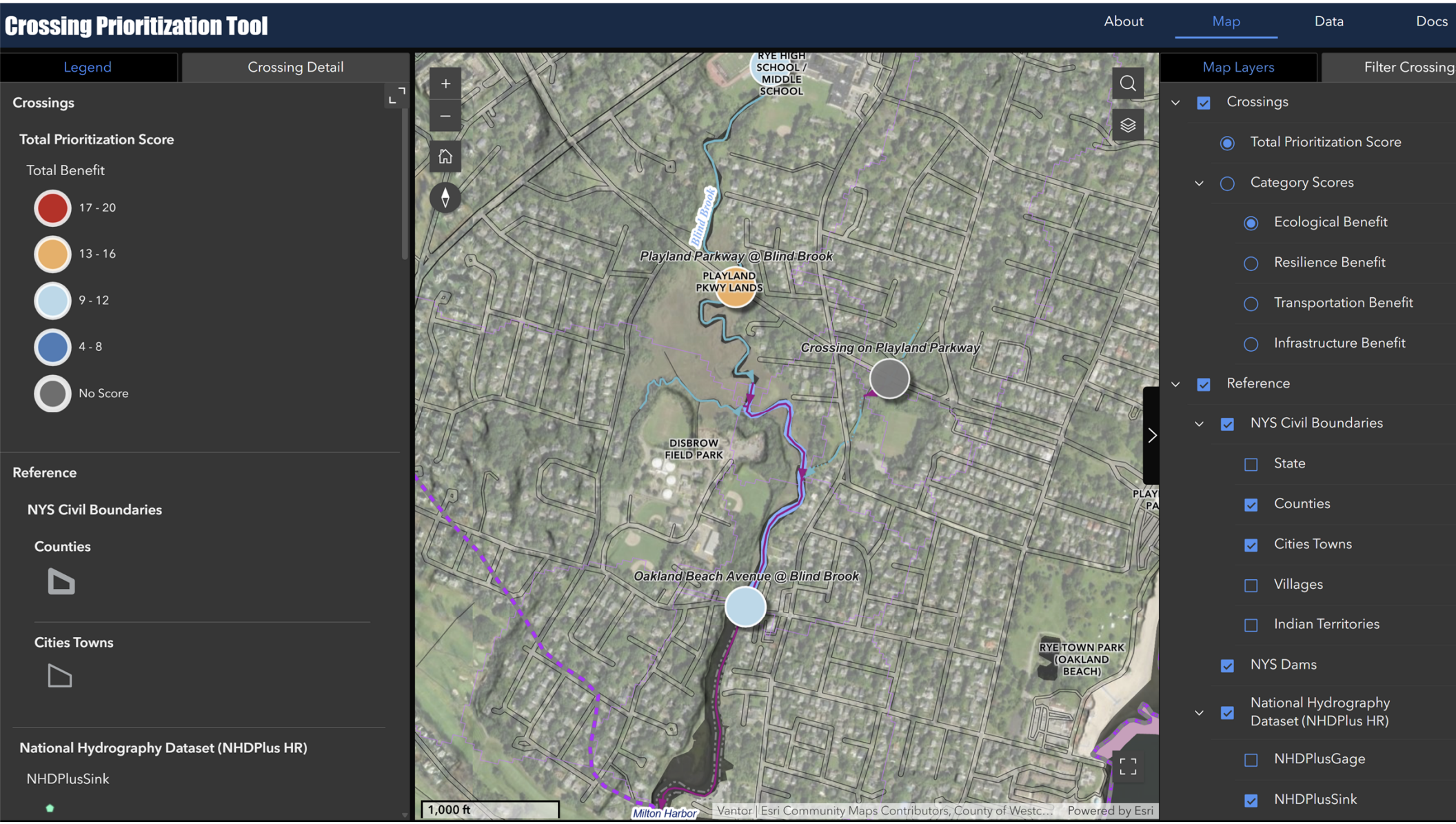
National Hydrography Dataset (NHDPlus HR)

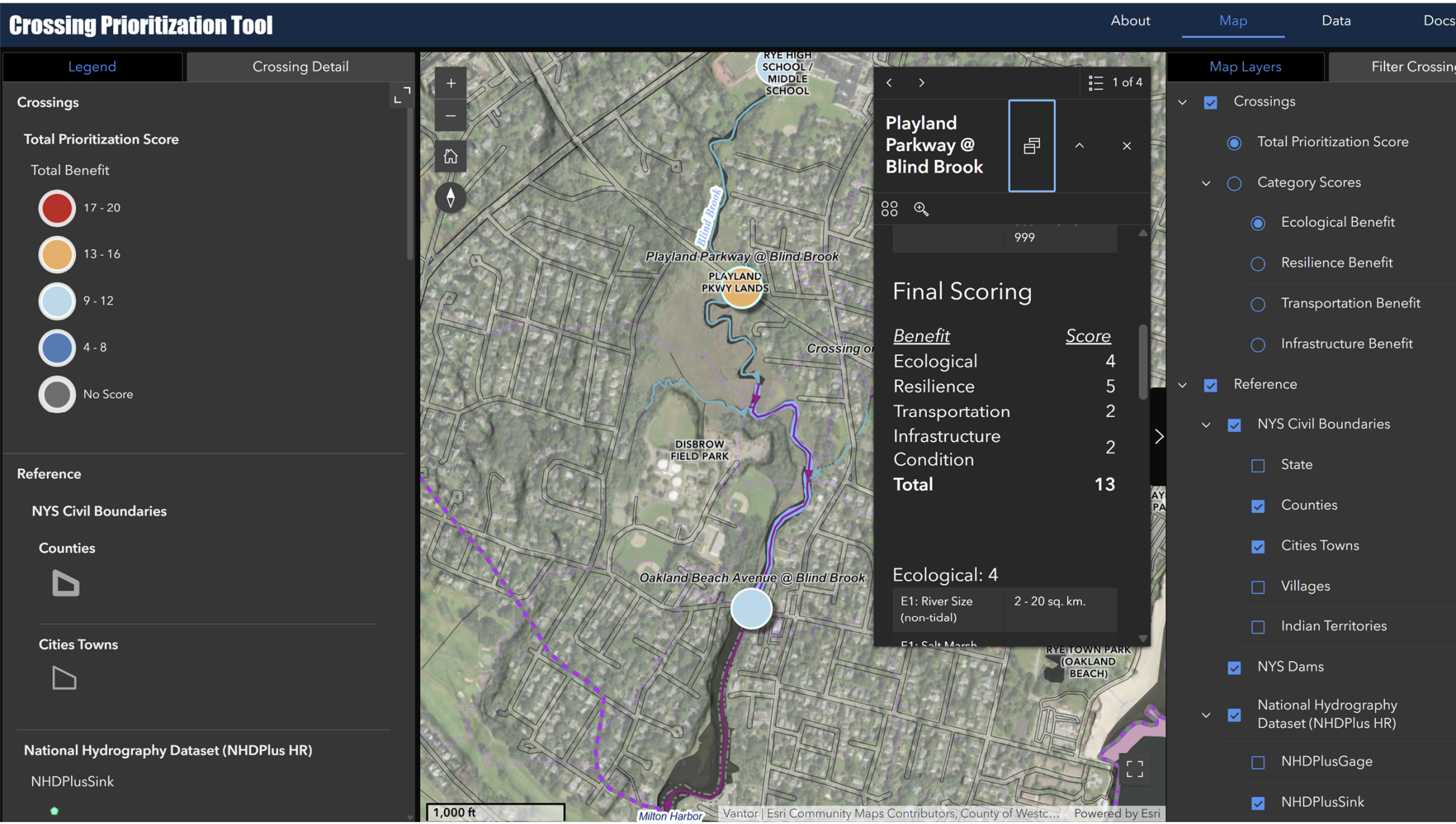
NHDPlusBoundaryUnit

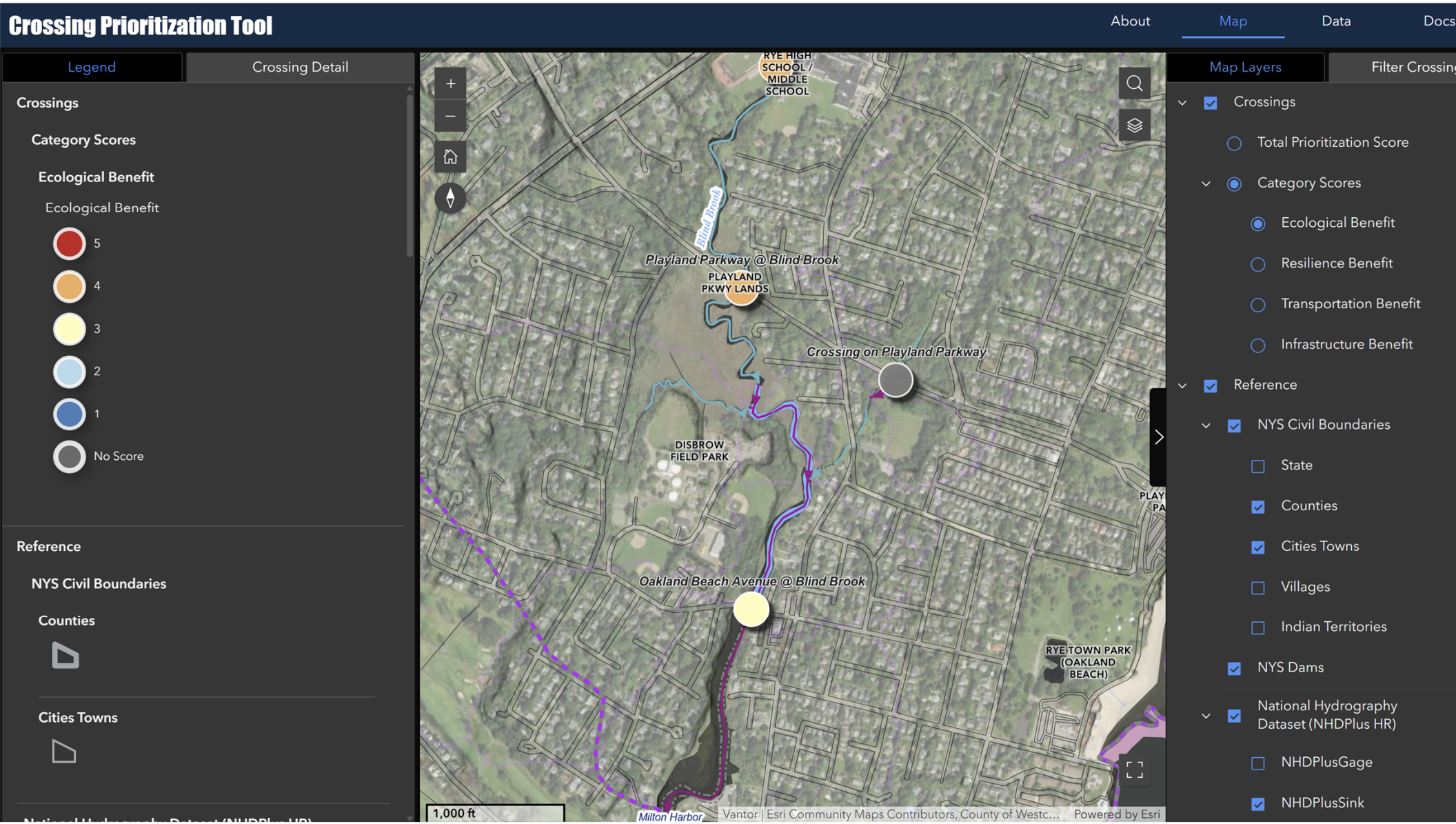


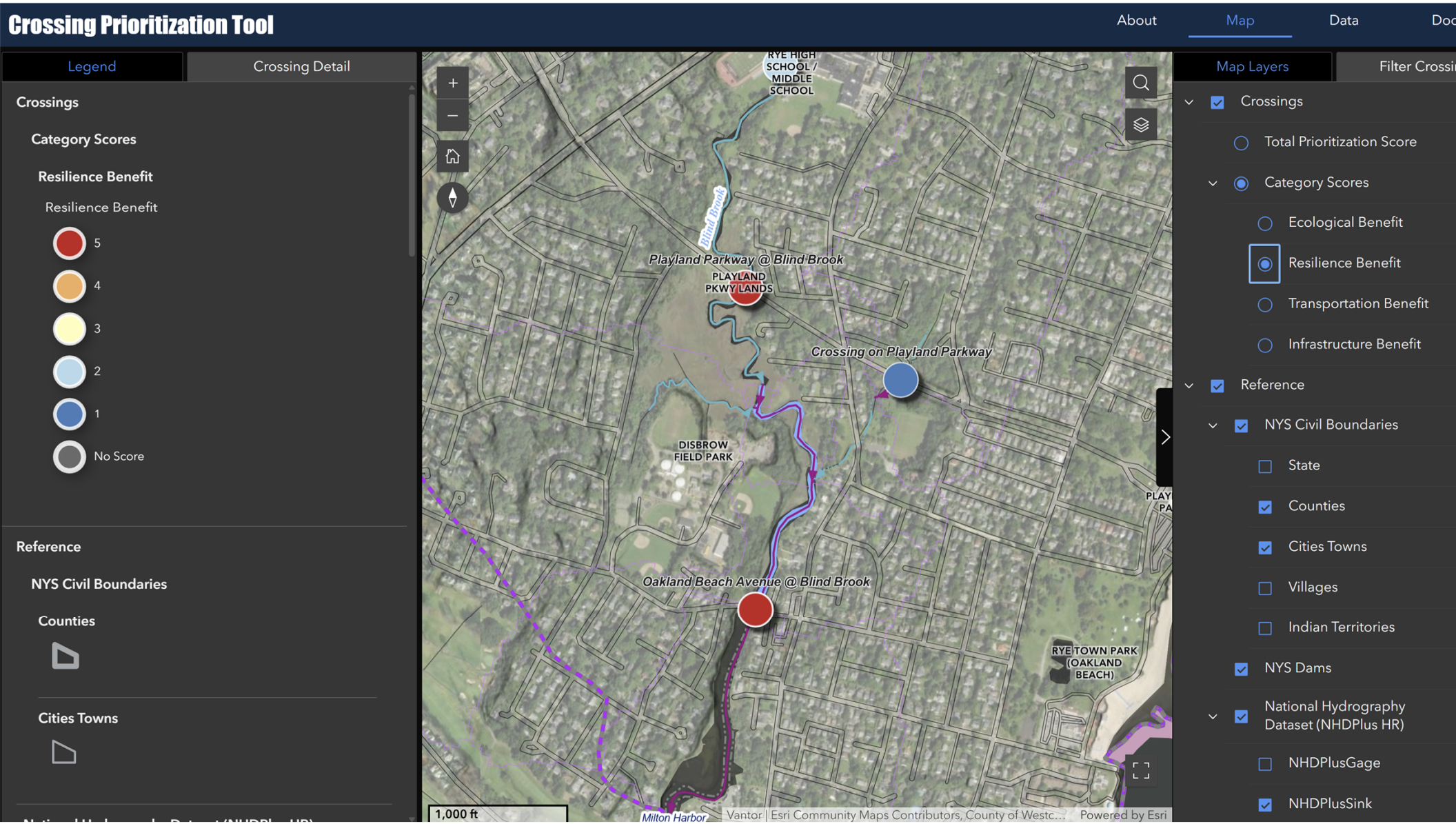
Map Layers | Filter Crossings

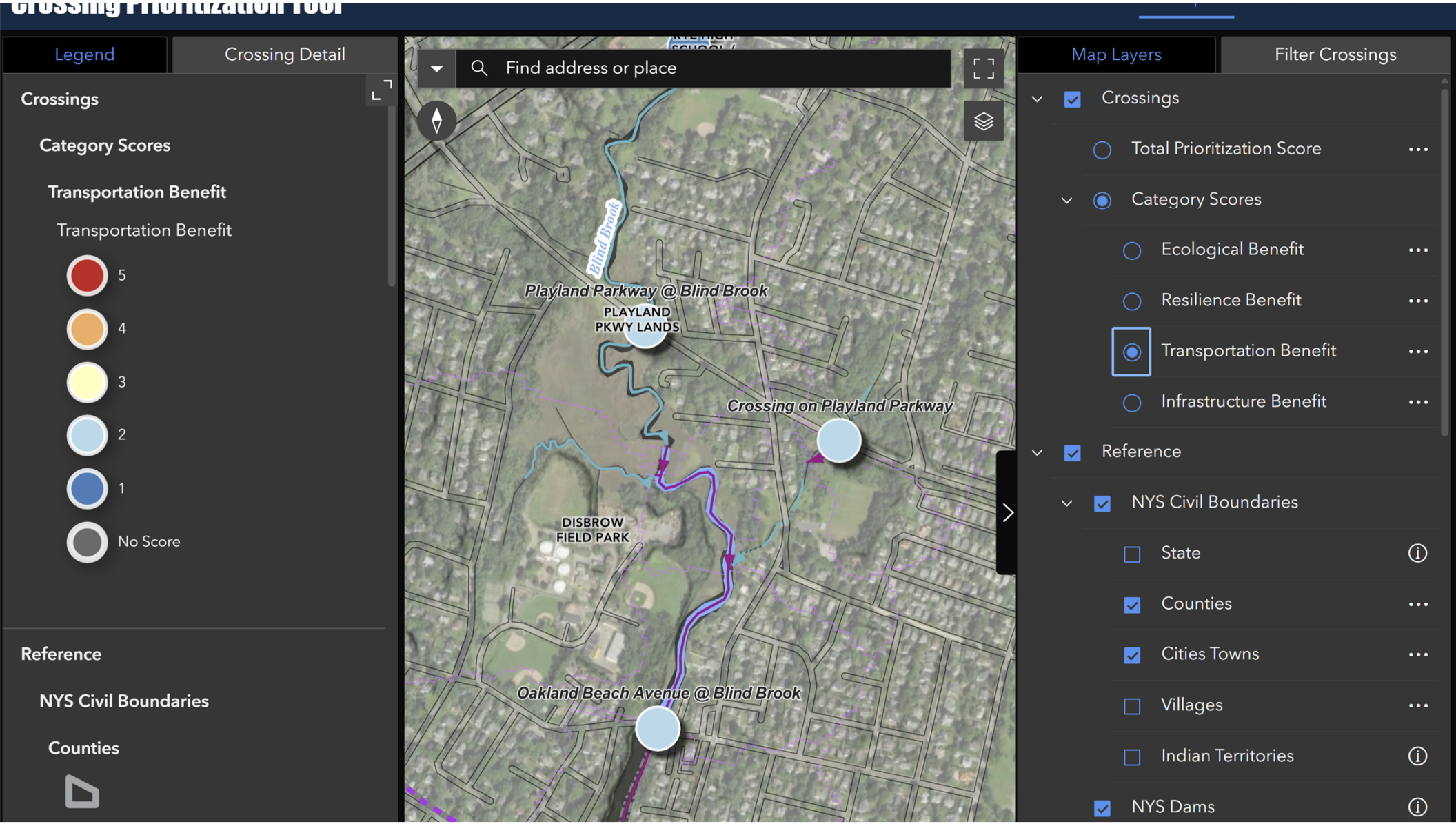
- Crossings
  - Total Prioritization Score
  - Category Scores
    - Ecological Benefit
    - Resilience Benefit
    - Transportation Benefit
    - Infrastructure Benefit
- Reference
  - NYS Civil Boundaries
    - State
    - Counties
    - Cities Towns
    - Villages
    - Indian Territories
  - NYS Dams
  - National Hydrography Dataset (NHDPlus HR)
    - NHDPlusGage
    - NHDPlusSink

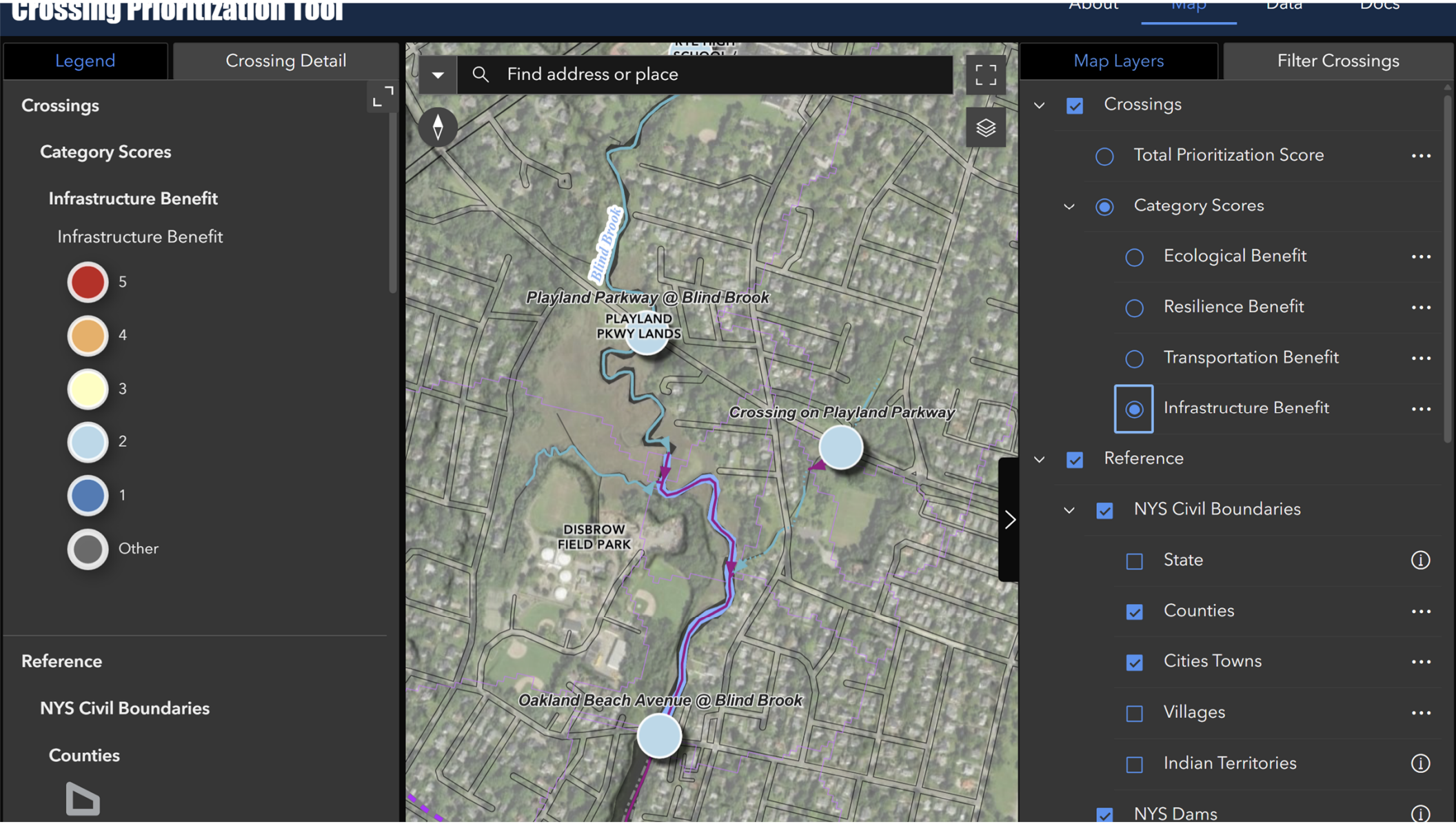

Crossing Prioritization Tool
About
Map
Data
Docs
Legend
Crossing Detail
Crossings
Total Prioritization Score
Total Benefit
17 - 20
13 - 16
9 - 12
4 - 8
No Score
Reference
NYS Civil Boundaries
Counties
Cities Towns
National Hydrography Dataset (NHDPlus HR)
NHDPlusSink
RYE HIGH SCHOOL / MIDDLE SCHOOL
Blind Brook
Playland Parkway @ Blind Brook
PLAYLAND PKWY LANDS
Crossing on Playland Parkway
DISBROW FIELD PARK
Oakland Beach Avenue @ Blind Brook
RYE TOWN PARK (OAKLAND BEACH)
Milton Harbor
1,000 ft
Vantor | Esri Community Maps Contributors, County of Westc...
Powered by Esri
Map Layers
Filter Crossing
Crossings
Total Prioritization Score
Category Scores
Ecological Benefit
Resilience Benefit
Transportation Benefit
Infrastructure Benefit
Reference
NYS Civil Boundaries
State
Counties
Cities Towns
Villages
Indian Territories
NYS Dams
National Hydrography Dataset (NHDPlus HR)
NHDPlusGage
NHDPlusSink


Crossing Prioritization Tool
About
Map
Data
Docs
Legend
Crossing Detail
Crossings
Total Prioritization Score
Total Benefit
17 - 20
13 - 16
9 - 12
4 - 8
No Score
Reference
NYS Civil Boundaries
Counties
Cities Towns
National Hydrography Dataset (NHDPlus HR)
NHDPlusSink
RYE HIGH SCHOOL / MIDDLE SCHOOL
Blind Brook
Playland Parkway @ Blind Brook
PLAYLAND PKWY LANDS
DISBROW FIELD PARK
Oakland Beach Avenue @ Blind Brook
RYE TOWN PARK (OAKLAND BEACH)
Milton Harbor
1 of 4
Playland Parkway @ Blind Brook
999
Final Scoring
Benefit
Score
Ecological 4
Resilience 5
Transportation 2
Infrastructure Condition 2
Total 13
Ecological: 4
E1: River Size (non-tidal) 2 - 20 sq. km.
1,000 ft
Vantor | Esri Community Maps Contributors, County of Westc...
Powered by Esri
Map Layers
Filter Crossing
Crossings
Total Prioritization Score
Category Scores
Ecological Benefit
Resilience Benefit
Transportation Benefit
Infrastructure Benefit
Reference
NYS Civil Boundaries
State
Counties
Cities Towns
Villages
Indian Territories
NYS Dams
National Hydrography Dataset (NHDPlus HR)
NHDPlusGage
NHDPlusSink


Crossing Prioritization Tool
About
Map
Data
Docs
Legend
Crossing Detail
Crossings
Category Scores
Ecological Benefit
Ecological Benefit
5
4
3
2
1
No Score
Reference
NYS Civil Boundaries
Counties
Cities Towns
RYE HIGH SCHOOL / MIDDLE SCHOOL
Blind Brook
Playland Parkway @ Blind Brook
PLAYLAND PKWY LANDS
Crossing on Playland Parkway
DISBROW FIELD PARK
Oakland Beach Avenue @ Blind Brook
RYE TOWN PARK (OAKLAND BEACH)
Milton Harbor
1,000 ft
Vantor | Esri Community Maps Contributors, County of Westc... Powered by Esri
Map Layers
Filter Crossing
Crossings
Total Prioritization Score
Category Scores
Ecological Benefit
Resilience Benefit
Transportation Benefit
Infrastructure Benefit
Reference
NYS Civil Boundaries
State
Counties
Cities Towns
Villages
Indian Territories
NYS Dams
National Hydrography Dataset (NHDPlus HR)
NHDPlusGage
NHDPlusSink


Crossing Prioritization Tool
About
Map
Data
Legend
Crossing Detail
Crossings
Category Scores
Resilience Benefit
Resilience Benefit
5
4
3
2
1
No Score
Reference
NYS Civil Boundaries
Counties
Cities Towns
RYE HIGH SCHOOL / MIDDLE SCHOOL
Blind Brook
Playland Parkway @ Blind Brook
PLAYLAND PKWY LANDS
Crossing on Playland Parkway
DISBROW FIELD PARK
Oakland Beach Avenue @ Blind Brook
RYE TOWN PARK (OAKLAND BEACH)
Milton Harbor
1,000 ft
Vantor | Esri Community Maps Contributors, County of Westc...
Powered by Esri
Map Layers
Filter Crossi
Crossings
Total Prioritization Score
Category Scores
Ecological Benefit
Resilience Benefit
Transportation Benefit
Infrastructure Benefit
Reference
NYS Civil Boundaries
State
Counties
Cities Towns
Villages
Indian Territories
NYS Dams
National Hydrography Dataset (NHDPlus HR)
NHDPlusGage
NHDPlusSink


Legend
Crossing Detail
Crossings
Category Scores
Transportation Benefit
Transportation Benefit
5
4
3
2
1
No Score
Reference
NYS Civil Boundaries
Counties
Find address or place
Blind Brook
Playland Parkway @ Blind Brook
PLAYLAND
PKWY LANDS
Crossing on Playland Parkway
DISBROW
FIELD PARK
Oakland Beach Avenue @ Blind Brook
Map Layers
Filter Crossings
Crossings
Total Prioritization Score
Category Scores
Ecological Benefit
Resilience Benefit
Transportation Benefit
Infrastructure Benefit
Reference
NYS Civil Boundaries
State
Counties
Cities Towns
Villages
Indian Territories
NYS Dams


Crossing Prioritization Tool
About
Map
Data
Docs
Legend
Crossing Detail
Crossings
Category Scores
Infrastructure Benefit
Infrastructure Benefit
5
4
3
2
1
Other
Reference
NYS Civil Boundaries
Counties
Find address or place
Blind Brook
Playland Parkway @ Blind Brook
PLAYLAND
PKWY LANDS
Crossing on Playland Parkway
DISBROW
FIELD PARK
Oakland Beach Avenue @ Blind Brook
Map Layers
Filter Crossings
Crossings
Total Prioritization Score
Category Scores
Ecological Benefit
Resilience Benefit
Transportation Benefit
Infrastructure Benefit
Reference
NYS Civil Boundaries
State
Counties
Cities Towns
Villages
Indian Territories
NYS Dams

Tidal and Non-tidal Scoring Breakdowns

Ecological Benefit (1-5)	Transportation Benefit (1-5)
E1. River Size E2. Length of River Reconnected E3. Number of Downstream Barriers E4. Aquatic Organism Passage	T1. Road Functional Classification T2. Evacuation Route
Resilience Benefit (1-5)	**Infrastructure Condition Benefit (1-5)**
R1. Risk of Sea-Level Rise Inundation of Road R2. Risk of Storm Surge Inundation of Road R3. Heavy Rainfall Flood Risk within the Watershed	I1. Structural Condition I2. Partner Priority

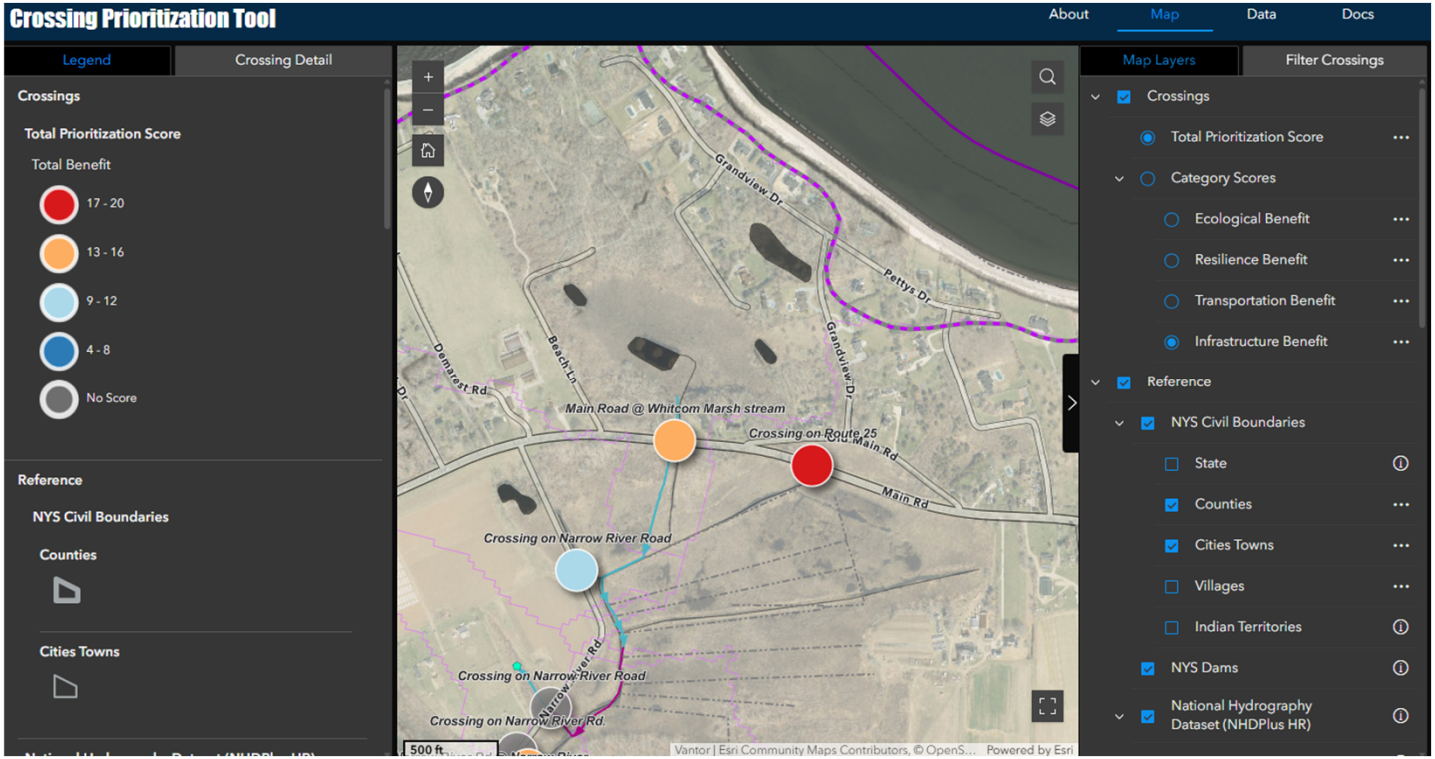
Ecological Benefit (1-5)	Transportation Benefit (1-5)
E1. Salt Marsh Complex Size E2. Salt Marsh Size Upstream E3. Degree of Tidal Restriction and AOP E4. Vegetation Score	T1. Road Functional Classification T2. Evacuation Route
Resilience Benefit (1-5)	**Infrastructure Condition Benefit (1-5)**
R1. Risk of Sea-Level Rise Inundation of Road R2. Risk of Storm Surge Inundation of Road R3. Heavy Rainfall Flood Risk within the Watershed *R4. Area of Potential Tidal Marsh Advancement US of Restriction*	I1. Structural Condition I2. Partner Priority I3. Risk of High Water – Lack of Clearance I4. Erosion Classification

Slight Scoring Differences

- Suffolk County data came first in 2019
- Nassau County data in 2022
- Westchester County Data in 2024

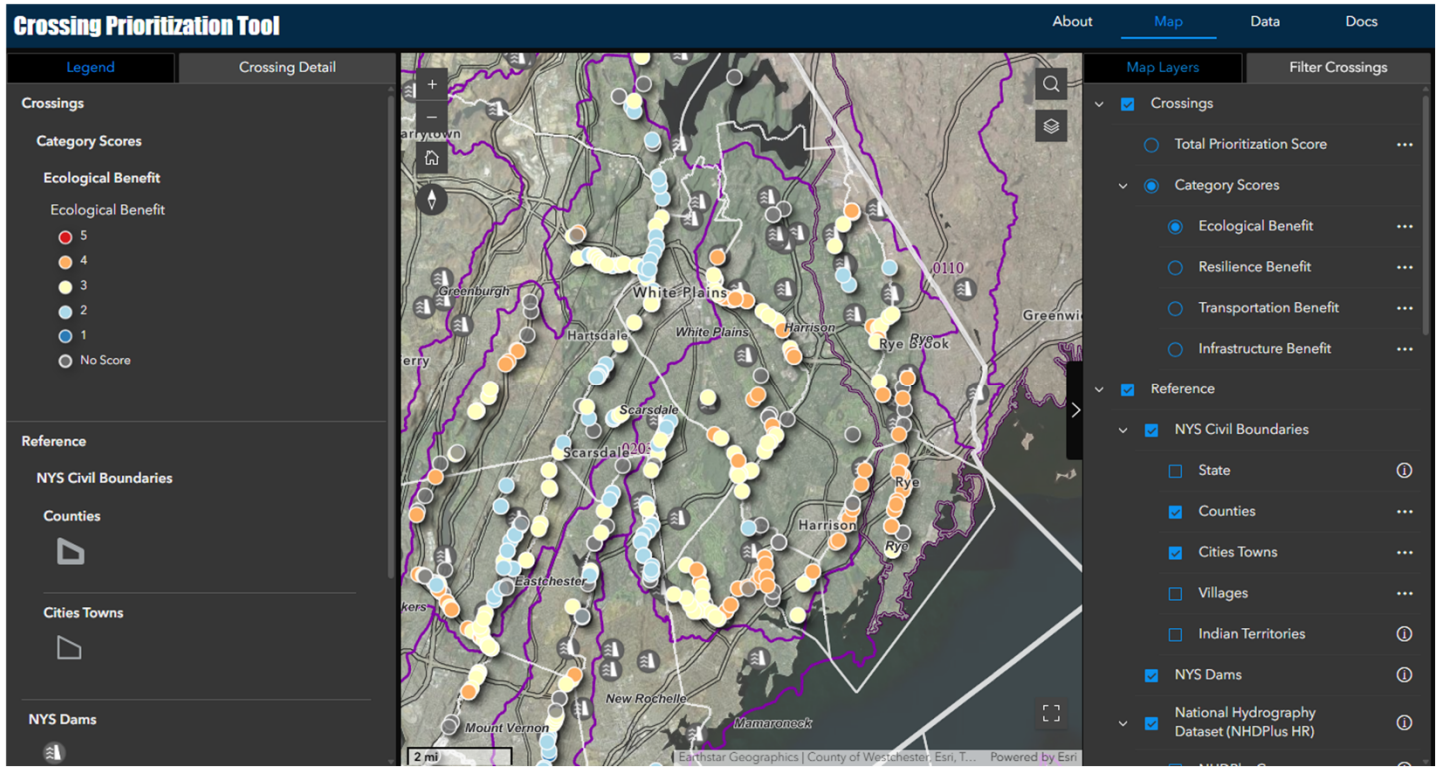
Partner Priority (and getting municipalities to answer can influence score.

Local knowledge of flooding and maintenance trouble spots are superior to tool results

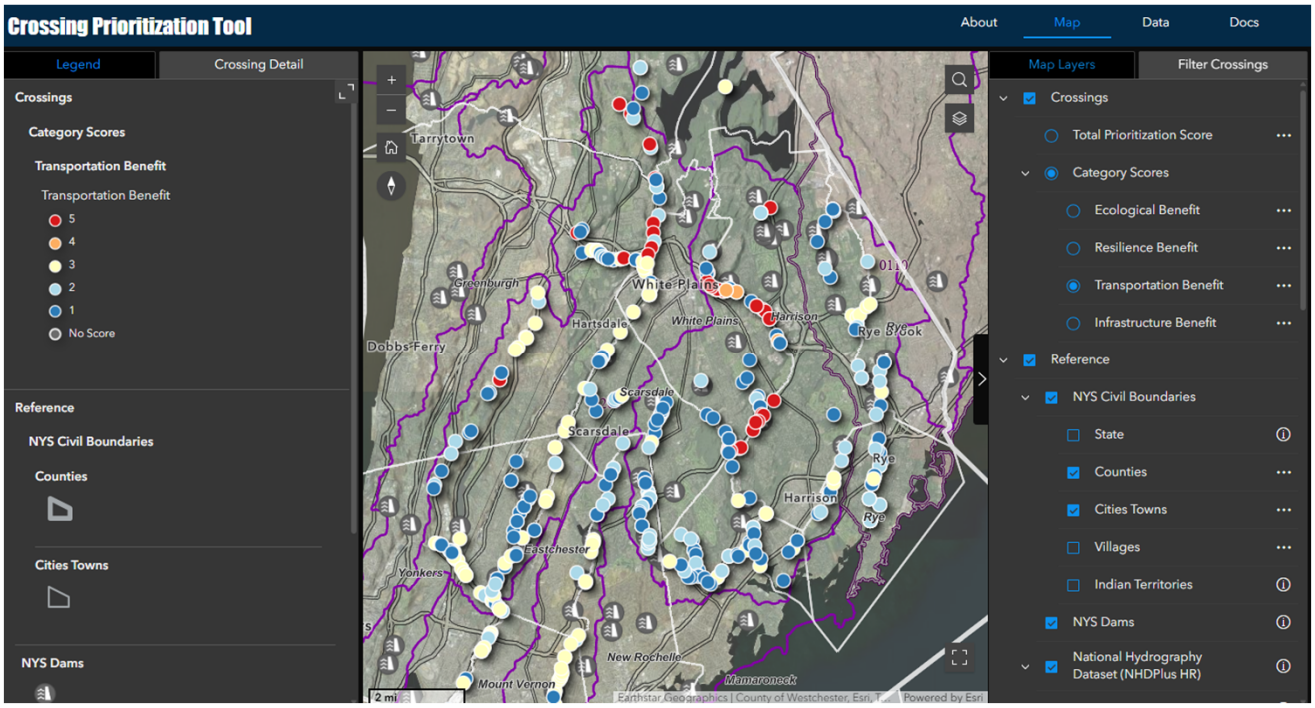


What's next?

- Demonstration webinars coming soon! (Winter 2026)
- Full tool will be migrated over to Save the Sound ArcGIS Online account
  - Tool uses approximately 700 credits/year



What's Next?



- No additions to the tool (for now)
- Save the Sound will be publishing web maps on ArcGIS Online where data can be downloaded
- Exploration of expansion into CT with a future funding source

Thanks to our partners!

CIVIC MAPPER

SEATUCK
Conserving Long Island Wildlife

The Nature Conservancy

WESTCHESTER COUNTY

Save the Sound®

Action for our region's environment.

Thank you!

mlung@savethesound.org