

# Riverfront North | Greenway MASTER PLAN

## APPENDIX

**Master Plan Update**

February 2021







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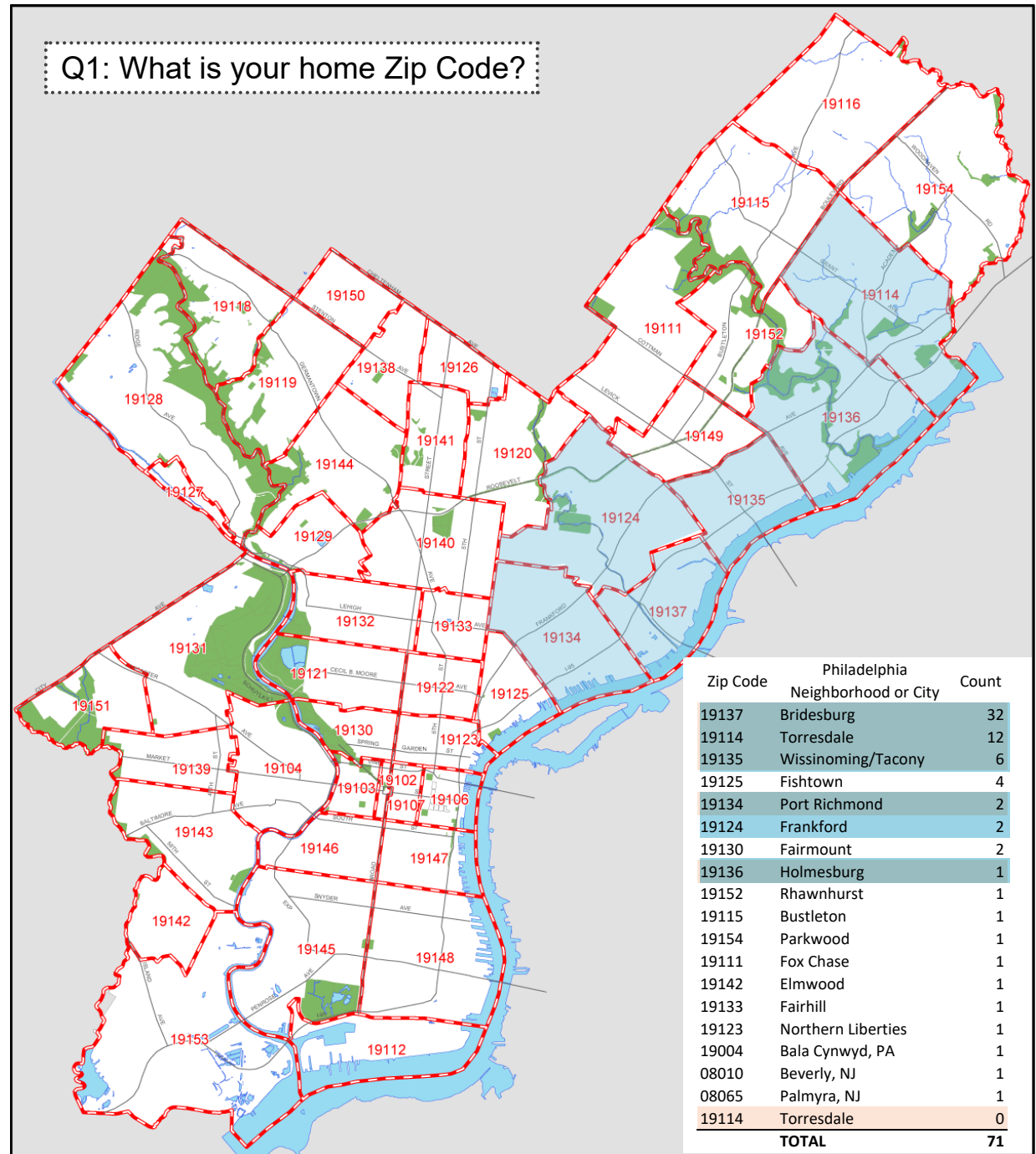
# DIGITAL SURVEY RESULTS

## Public Engagement, Round 1

The first round of public engagement consisted of two public meetings and an online survey. The first meeting was held at the Holmesburg Recreation Center on June 12, 2018, immediately prior to the Holmesburg Civic Association monthly meeting. The second public meeting was held at the Bridesburg Recreation Center the following night. The public meetings (and subsequent online survey) were advertised via Riverfront North Partnership email list and social media, local print media (Northeast Times and Star newspapers), and fliers distributed to local businesses and non-profits. All local stakeholders, such as RCOs and Friends of groups, were also notified via email and were encouraged to spread the word via their email and social media networks.

The next several pages show the results of the in-person and online survey performed as a part of this first round of public engagement. The survey was presented via hard copy at the two first public meetings and was also available online between June 12 to July 6, 2018. The total number of responses from both the in-person and online survey was 71.

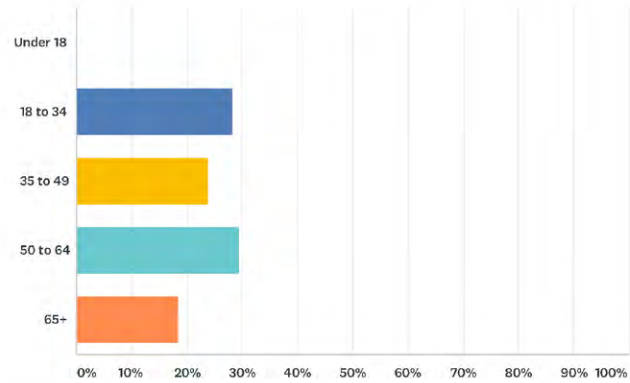
The survey involved 10 questions. The last question, Q10, is excluded from the appendix as to protect respondent's privacy.





## Q2 What is your age?

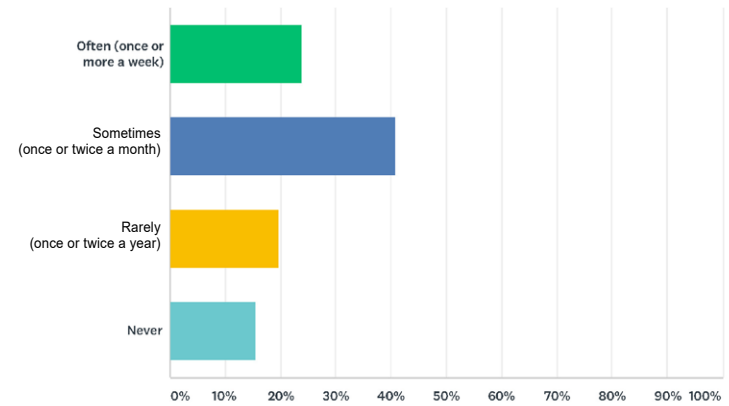
Answered: 71 Skipped: 0



ANSWER CHOICES	RESPONSES	
Under 18	0.00%	0
18 to 34	28.17%	20
35 to 49	23.94%	17
50 to 64	29.58%	21
65+	18.31%	13
TOTAL		71

## Q3 How often do you use the Riverfront North Greenway?

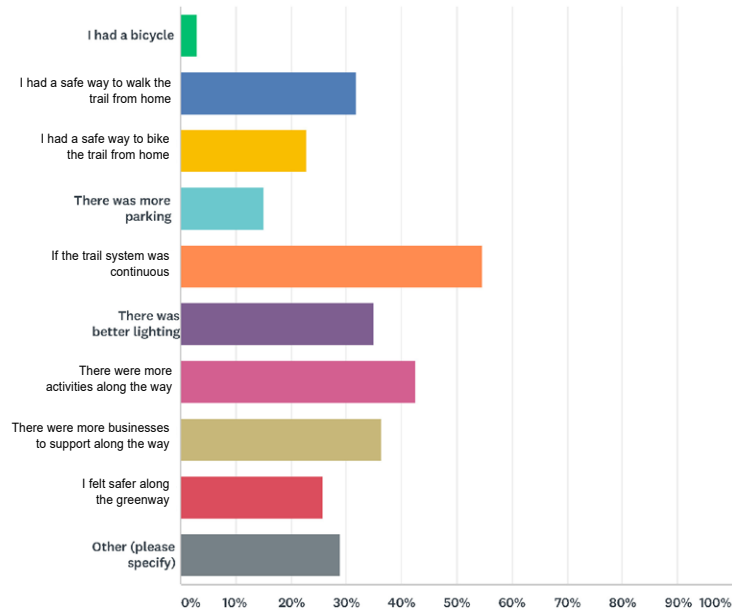
Answered: 71 Skipped: 0



ANSWER CHOICES	RESPONSES	
Often (once or more a week)	23.94%	17
Sometimes (once or twice a month)	40.85%	29
Rarely (once or twice a year)	19.72%	14
Never	15.49%	11
TOTAL		71

#### Q4 I would use the greenway more if: (check all that apply)

Answered: 66 Skipped: 5



ANSWER CHOICES	RESPONSES	
I had a bicycle	3.03%	2
I had a safe way to walk to the trail from home	31.82%	21
I had a safe way to bike to the trail from home	22.73%	15
There was more parking	15.15%	10
If the trail system was continuous	54.55%	36
There was better lighting	34.85%	23
There were more activities along the way	42.42%	28
There were more businesses to support along the way	36.36%	24
I felt safer along the greenway	25.76%	17
Other (please specify)	28.79%	19
Total Respondents: 66		

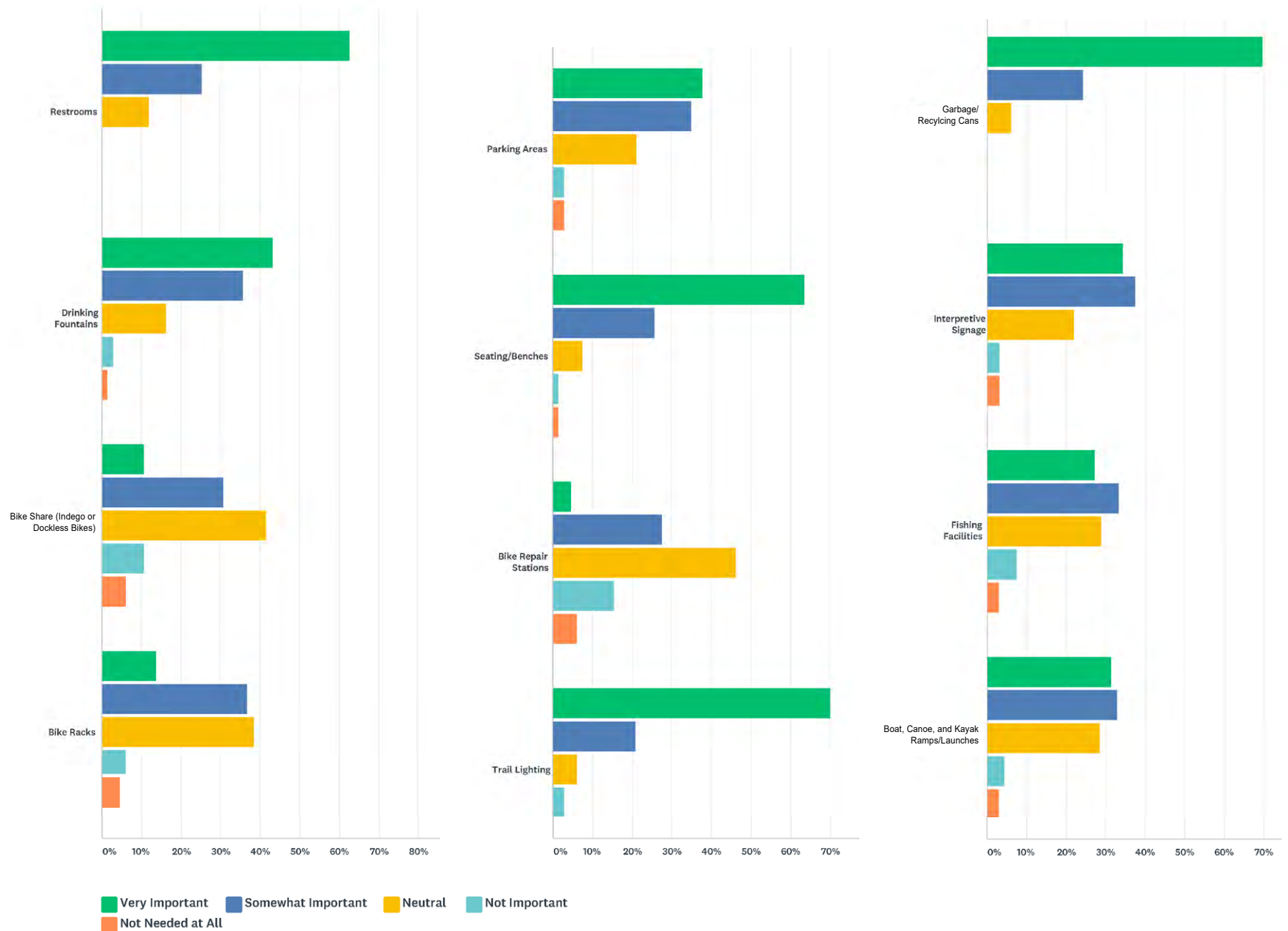
#### Other, please specify:

- Water fountain for myself and perhaps my dog
- Also, I would use it more if there were better connections from transit to the trail, not to mention bikeshare access.
- We definitely need more activities here. I had a blast and the view was gorgeous so that will work in your favor.
- There needs to be restaurants and sitting area's
- If There was a secured enclosed off leash dog park, where the dogs would be safe to run and play, with other dogs in their weight category. This could be free to enrolled dog owners of the city, or a small fee to help defray costs of bags, trashcans, water etc.
- Paddling outfitters, maintained access points
- It connected places where I was commuting to/from
- Exercise stations along the completed trail.
- More benches and shade structures
- very minor thing but if there was more shade.
- More places to fish
- did not know it existed
- more shade. It's hard to go a long distance without good tree cover.
- Places to sit and rest in the shade. More shade areas. Need the Bridesburg section (Orthodox St to Frankford boat launch completed). Need Bridge St and Buckins St connectors. A riverfront restaurant would be a draw.
- Bike police presence from time to time, especially at twilight
- Its a mile from Richmond St to the river - not good for moms walking babies
- If there was a dog park/community garden - more activities also.
- More attractive and native landscaping. Encourage local businesses to make their appearance more attractive as well.
- For the past several years I conduct marathon training runs every weekend with 10-20 people starting at 3 monkeys moving south into pennypack park. The Baxter trail is a welcome addition. Unfortunately we cant start or stop at other places because we dont like to run down state road. So basically we run a couple miles and then into pennypack. On occasion we do run straight down into the city, typically traveling state road to aramingo. As more connectors become available we'd obviously love to stay closer to the river rather than run through Kensington, et al.

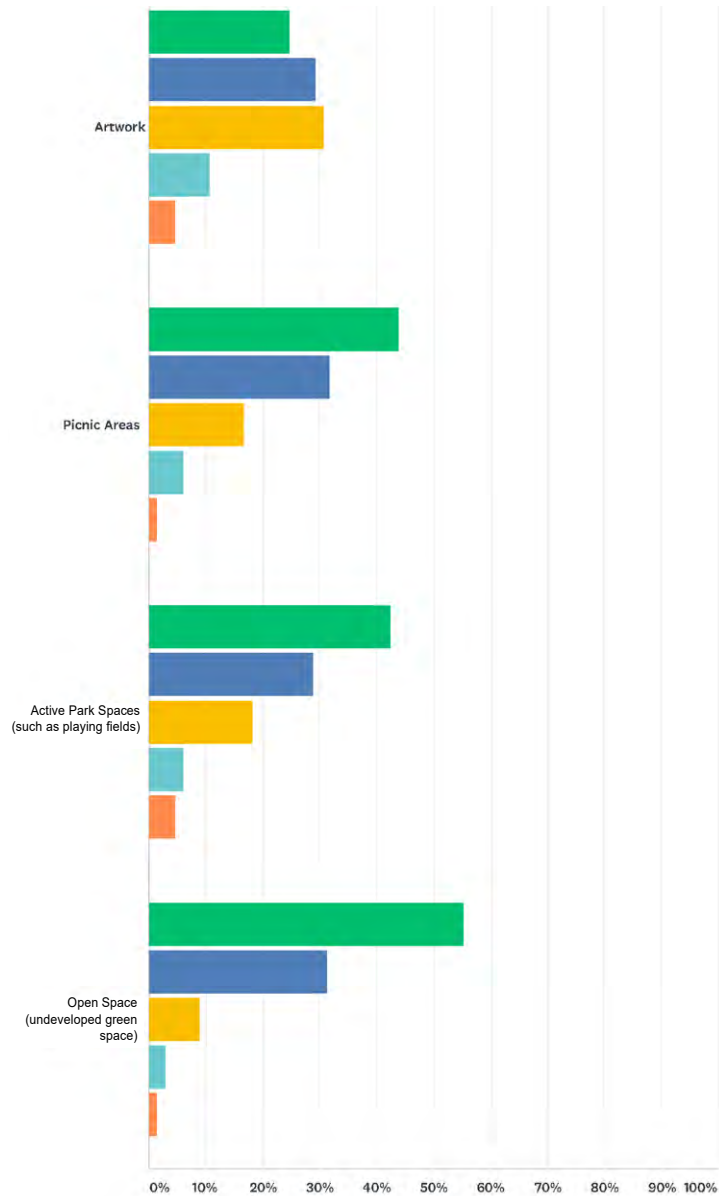


Q5 How important are these current or potential amenities on the Riverfront North Greenway to you?

Answered: 67 Skipped: 4



## Q5, cont.



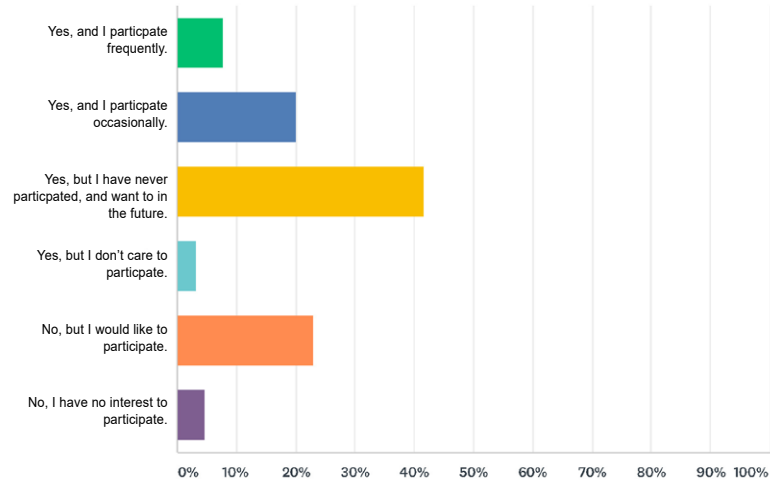
Very Important Somewhat Important Neutral Not Important Not Needed at All

	VERY IMPORTANT	SOMEWHAT IMPORTANT	NEUTRAL	NOT IMPORTANT	NOT NEEDED AT ALL	TOTAL
Restrooms	62.69% 42	25.37% 17	11.94% 8	0.00% 0	0.00% 0	67
Drinking Fountains	43.28% 29	35.82% 24	16.42% 11	2.99% 2	1.49% 1	67
Bike Share (Indego or Dockless Bikes)	10.77% 7	30.77% 20	41.54% 27	10.77% 7	6.15% 4	65
Bike Racks	13.85% 9	36.92% 24	38.46% 25	6.15% 4	4.62% 3	65
Parking Areas	37.88% 25	34.85% 23	21.21% 14	3.03% 2	3.03% 2	66
Seating/Benches	63.64% 42	25.76% 17	7.58% 5	1.52% 1	1.52% 1	66
Bike Repair Stations	4.62% 3	27.69% 18	46.15% 30	15.38% 10	6.15% 4	65
Trail Lighting	70.15% 47	20.90% 14	5.97% 4	2.99% 2	0.00% 0	67
Garbage/Recycling Cans	69.70% 46	24.24% 16	6.06% 4	0.00% 0	0.00% 0	66
Interpretive Signage	34.38% 22	37.50% 24	21.88% 14	3.13% 2	3.13% 2	64
Fishing Facilities	27.27% 18	33.33% 22	28.79% 19	7.58% 5	3.03% 2	66
Boat, Canoe, and Kayak Ramps/Launches	31.34% 21	32.84% 22	28.36% 19	4.48% 3	2.99% 2	67
Artwork	24.62% 16	29.23% 19	30.77% 20	10.77% 7	4.62% 3	65
Picnic Areas	43.94% 29	31.82% 21	16.67% 11	6.06% 4	1.52% 1	66
Active Park Space (such as playing fields)	42.42% 28	28.79% 19	18.18% 12	6.06% 4	4.55% 3	66
Open Space (undeveloped green space)	55.22% 37	31.34% 21	8.96% 6	2.99% 2	1.49% 1	67



**Q6 Did you know that Riverfront North hosts a number of events, such as volunteer cleanup days, movie nights, kayak rides, and nature walks?**

Answered: 65 Skipped: 6



ANSWER CHOICES	RESPONSES	
Yes, and I participate frequently.	7.69%	5
Yes, and I participate occasionally.	20.00%	13
Yes, but I have never participated, and want to in the future.	41.54%	27
Yes, but I don't care to participate.	3.08%	2
No, but I would like to participate.	23.08%	15
No, I have no interest to participate.	4.62%	3
<b>TOTAL</b>		<b>65</b>

### Q7 Do you have any suggestions for expanding our outreach and stewardship opportunities?

Ideas may include new volunteer groups or locations for cleanup.

- Better advertising - not everyone (especially retirees with grandchildren) look for events on line..
- Advertise more for volunteers and promote more events
- I would encourage having neighborhood organizations hosting walks and rides from significant landmarks in their areas to the trail on the river and back. And where possible it would be great to encourage trail-side businesses like bike shops, food, and others to encourage community investment in the trail's success. Also, integrating boating with the trail through relays, festivals, and the arts would be another good way to enrich the trail with local culture.
- Need more activities going on there at that location and definitely need to do alot of advertising. Possibly even getting news coverage.
- Mailing info, promoting an email list, putting brochures in local businesses and schools
- Clean up and fix road at princeton ave access
- More neighborhood notification. Many times there is no or very little information provided, or the times reports that last week there was this or that ?
- After work or weekend hours for drop in clean ups. I can make the mid day times.
- Volunteering Untapped PHL: <https://vu-phl.org/>
- Keep the drug people out and using it as a meet up place to sell drugs
- No, you're doing a good job and engaging lots of people of all ages.
- Running clubs, biking clubs, fishing events....ect
- Local catholic high school students are required to x number of hours of community service a year. Specifically Father Judge High School. Partnering with the administration at these schools could provide more volunteers.
- Maybe connect with REI - I know they are in the county, but they have supported numerous city parks including the new rail one and SCEE. I've only been in Kensington for a short time but do you outreach with all of our neighborhood associations?
- The boys and girls club has a few clean up days scheduled throughout the year maybe contact them to schedule cleanups
- businesses could sponsor a bench - have their company name on it. Contact local athletic assoc (bridesburg) get kids and coaches involved
- More awareness via social media or local news paper
- Contact the local colleges such as Holy Family, Temple, Community College of Phila - Boy Scout Groups - local churches for volunteer and service projects
- Working with TTF, onsite environmental ed, co-host 5Ks and eventually a 10K!!
- Facebook - neighborhood online groups
- Dog park & garden committee (200+ people interested)
- Service projects for scouts, school groups
- There should be more incentive to cleanup. Maybe combine a cleanup with a farmers market. Offer a percentage off a purchase if people fill a bag of trash. United by Blue seems to always drum up more people for their cleanups. Whatever their strategy is, it is working.



**Q8 The following is a sampling of programmed events that are hosted by Riverfront North Partnership: Nature Walks Concerts Yoga Bike Rides Kayak Rides Movie Nights Fishing Derby 5k Races Do you have any ideas for other types of events that could be hosted along the riverfront?**

- Health events for seniors
- Arts and Craft Craft Shows
- Kinetic Sculpture Derby (on the trail and/or along the waterways); community mural paintings and art projects along both the trails and the connector streets to guide people to the trail
- Family Fun Day would be fun. Maybe a animal day where kids get to meet animals and learn how to feed and take care of them or anything that would be family oriented. When you have events offer raffles for people who share the events. Things like that to get people interested.
- Maybe make that PECO station into a concert venue like they have in Fishtown
- Neighborhood picnics, craft shows, kids games/activities day, more exercise classes or groups, book club meetups, outdoor board games or physical games for adults
- Pig Roast
- Geo Caching
- Paddling or bike clinics, how tos, educational workshops about the river, sustainability, etc.
- Family picnic days (with informal family-friendly activities like face painting and games)
- Police, Fire and Rescue demonstration events at Pennypack park at the river
- Flea markets
- Beer gardens
- Pop-up beer garden
- The Bristol waterfront has had success with weekly sailboat races.
- Packwalk
- Family day activities
- Clean up contest
- Mobile zoo
- Parks on Tap
- Bird watching, art show, farmer's market, paint night or afternoon - there are great views to paint
- golf
- Community picnic's that tie into summer holidays like the 4th of July, etc.
- use Inaturalist - bro blitzes
- Kan Jam or Baggo (cornhole) tournaments - something similar to "Parks on Tap" - drinking social event
- Outdoor cooking/grilling parties, church group picnic
- Photography event
- Have adult friendly events. Pop-up events like beer gardens, dinners, festivals, farm markets, painting with a twist, concerts (other than bands. The Mann Center's events w/ the orchestra & movies is awesome. Though I realize this would e a big undertaking), historical events. Celebrate the NE, because we are so diverse and we have a rich history. Also, I'm not sure if this park is included, but Pennypack @ Solly & Frankford is extremely underused. It used to be a very popular spot. With the bridge getting more attention, as it should be, there should be more events in this area.
- Theater productions, open mics, art shows, events for children

### Q9 Do you have any other comments related to the Riverfront North Greenway?

- Love it! It's an awesome project - our community needs a more suburban feel as well as outdoor spaces for all to enjoy. We need more fish, bird and wildlife refuge.. After all, they were here first. :)
- Love what is happening for the City and want to see more done at Pleasant Hill Park
- Signage in the neighborhood with photos of the views along the Greenway! Every SEPTA station should have a walking map to help navigate to the trail; and signs should be placed in neighborhood parks with wayfinding to the trail. Additionally, if the exit signs along I-95 referred to the Riverfront North Greenway, many, many people would begin to learn the name very quickly and get curious about what the Greenway was.
- I had a blast and met lots of people. Will definitely do it again! BTW I lived how everyone was offered free bottles of water to stay hydrated. A+++++. One other thing, Luca and his fiance did an amazing job taking care of all of us vendors. Anything we needed he provided. I very much appreciate all of their help.
- Just the idea of making the PECO station on Lewis St. an event space/ concert venue....
- On the Delaware lacked convenient parking, which is an easy fix. Also, the vendors and tents are too spread apart. Keep everything closer together. Maybe offer umbrellas for rent on super hot concert days. Other than that, the festival was awesome.
- When will it be continuous
- You guys are doing a FABULOUS JOB
- Things for older residents would be great.
- Please work with Burlington County Bridge Commission to improve access to K&T Trail.
- Y'all are so great!
- It's a waste of my tax money
- Wish it be completed continuously, before I'm too old to enjoy it...
- Need to be gated and secure at night
- You're all doing great and are much appreciated
- yes continue the greenway between Bridesburg and the Frankford Boat launch, If was completed I along with my family would walk it much more often.
- Just thanks for all that you have put into the project this far and beyond. We like to walk our dog along the K&T Trail because its clean, quiet, and no loose running dogs. Those things are not always guaranteed when we walk in our neighborhood.
- Encouraging new Philadelphians that live in the River Wards to bike and travel into the northeast section of the riverfront would be appreciated. Keep up the good work!
- I'd like to see something like the linden ave. Hatchery kid ponds in the soon to be bridesburg section.
- Be nice to see more animal habitat like bird sanctuary and turtles and all
- can we add a dog park?
- Please consider a dog park. There are many dog owners in the area with no place to exercise them. This would be a great asset to the neighborhood.
- Playground
- no bike lanes on Grant Ave! Too dangerous to funnel bikes thru underpass and then to a one way street (Grant east of State).
- Places to attract grandparents and kids - swings, shaded benches, picnic areas. Scavenger hunt
- type activities for kids to locate different things along the walkway. Could have rental adult tricycles
- for seniors and rental kids tricycles for small kids.
- Thank you for all your dedication and hard work!!
- Trail is narrow along State Road at Baxter Water Plant and could be wider for both bikers and runners
- We look forward to working with you!
- Looking forward to the finished product
- Hammocks? Like Spruce Street Harbor Park. As mentioned, dog park and community garden similar to the Schuylkill Run Parks would drive most of the community there. We also have a list of volunteers ready to maintain something like this (fundraising & cleanup)
- Use mileage markers with GPS coordinates to mark the trail
- Your efforts are appreciated! Sorry if I mentioned something you are already doing. I hear there is pressure on Holmesburg Gun Club to move. I think this is unfair. They are a part of our history. I do hope there is another way to continue the trail without displacing them.
- I know the area around tioga marine terminal counts but its so separate from the river we might as well be going through an industrial park. have yet to bother with that portion.
- Grant avenue has been proposed as a connector street to the Glen Foerd river area. There is a trail by the Poquessing Creek that serves the Brookhaven section of East Torresdale (entrance to the trail is on Hegerman St. at Lyman Dr.). This trail leads to Grant ave, but unfortunately, there is no sidewalk on that side of the street, so one has to cross Grant ave in order to continue down the sidewalk to the river. Crossing at that point is nearly impossible, due to there being no speed limit signs. It would be helpful to have speed limit signs, a "Stop for pedestrians" sign, speed bumps, and/or a traffic light on Grant avenue near the Torresdale train station.



Public Engagement, Round 1 Imagery



### Come help us plan the future of RIVERFRONT NORTH

The Delaware River waterfront between Allegheny Avenue and Poquessing Creek in Northeast Philadelphia has changed a lot in the past 15 years. As we prepare to update our master plan for the next 15 years, we want to know what you want to see along the greenway!



Let's create more open space to enjoy!

I want to see more volunteer opportunities!

Connections to the trail from my neighborhood are really needed!

Join Riverfront North Partnership (formerly DRCC) at one of two neighborhood meetings to let us know what you would like to see along the greenway in Northeast Philadelphia!

1

Holmesburg Recreation Center  
Tuesday, June 12, 5:30-7:30 PM

2


Bridesburg Recreation Center  
Wednesday, June 13, 6:00-8:00 PM



Scan me

For more information, visit [RiverfrontNorth.org/MasterPlan](http://RiverfrontNorth.org/MasterPlan)


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Meeting Flyer

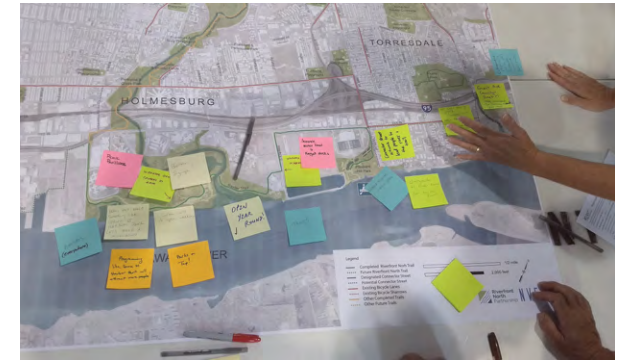
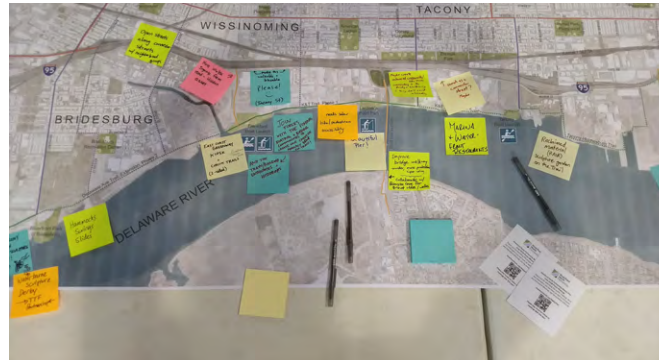
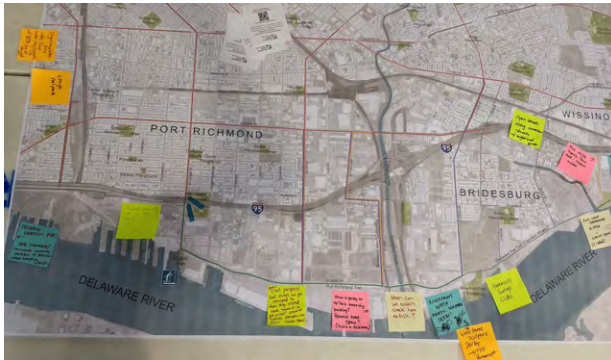


Holmesburg Meeting





## Holmesburg Meeting, cont.



### Facilities and Amenities

Riverfront North and the City of Philadelphia have worked together to add new amenities to the trail and park spaces along the riverfront. As the trail expands and new open spaces come on board, we want to know what you expect to see along the riverfront. Some examples of amenities include:

- Drinking fountains
- Restrooms
- Bike Share (Indego Stations or Dockless Bikes)
- Lighting
- Parking
- Bike racks
- Benches
- Garbage/Recycling Cans
- Historic and Interpretive Signage
- Fishing and Boating Facilities
- Artwork
- Picnic Areas

Let us know your ideas in your survey and on the map!

**SPARK**

Riverfront North maintains the composting restrooms at Lander's Point Park.

Indego Bike Share at Race Street Pier.

**Indego**

**Riverfront North Partnership**

### Adjacent Land Use and Development

Not too long ago, the Delaware River waterfront in Northeast Philadelphia was an industrial powerhouse, with all types of manufacturing and shipping-related businesses utilizing the river to move goods. Through much of the Greenway corridor, active and vacant industrial sites still dominate the area between Interstate 95 and the riverfront in Northeast Philadelphia.

The greenway is envisioned to co-exist with its neighbors, while creating connections to the riverfront and opportunities to foster redevelopment of adjacent vacant sites into something that encourage uses that allow for open space and neighborhood connectivity.

Phase 1 of the K&T Trail in Wissinoming

MA&T Charter School (currently under construction)

**Riverfront North Partnership**

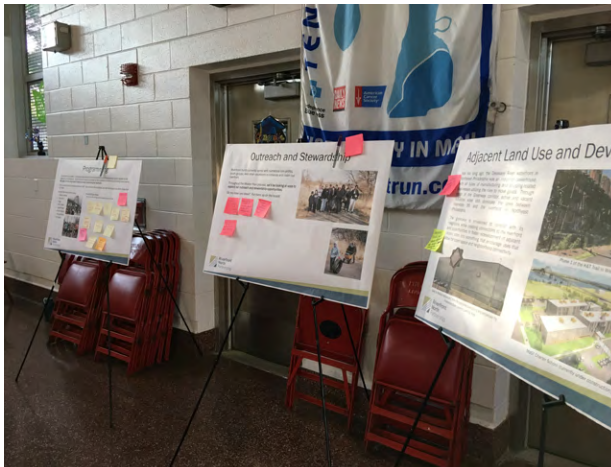
### Outreach and Stewardship

Riverfront North currently works with numerous non-profits, youth groups, and other volunteers to enhance and clean our riverfront.

Throughout the Master Plan process, we'll be looking at ways to expand our outreach and stewardship opportunities.

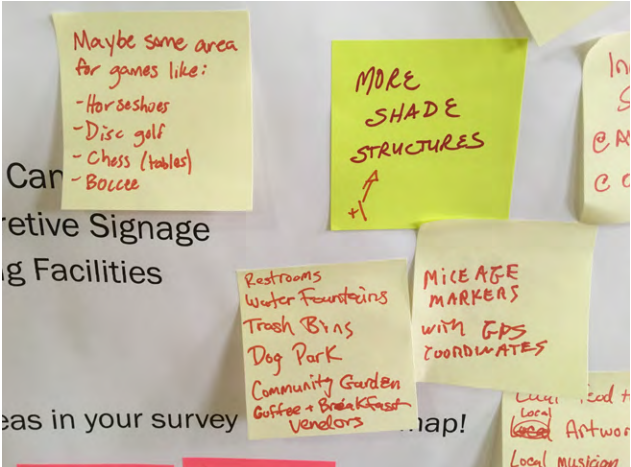
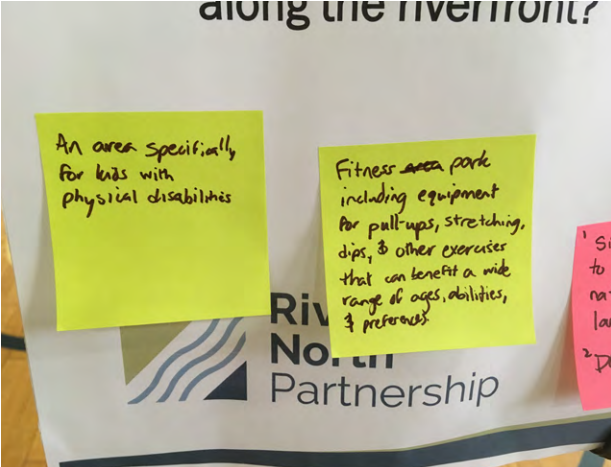
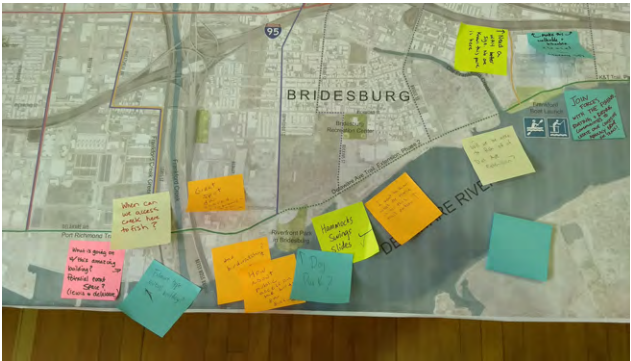
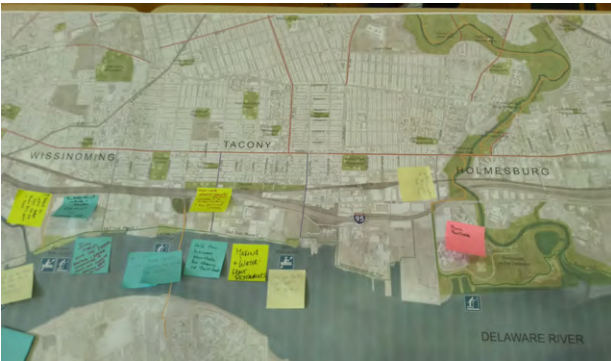
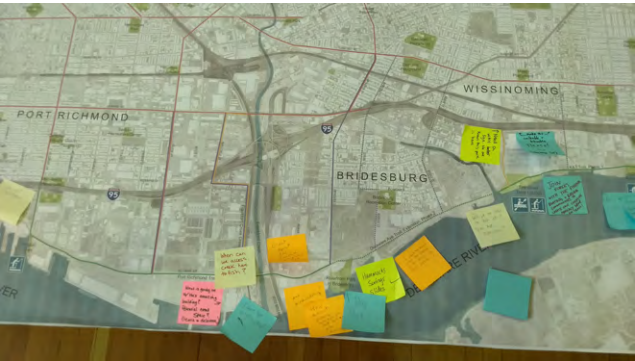
Do you have any ideas? Put them up on the board!

**Riverfront North Partnership**





Bridesburg Meeting





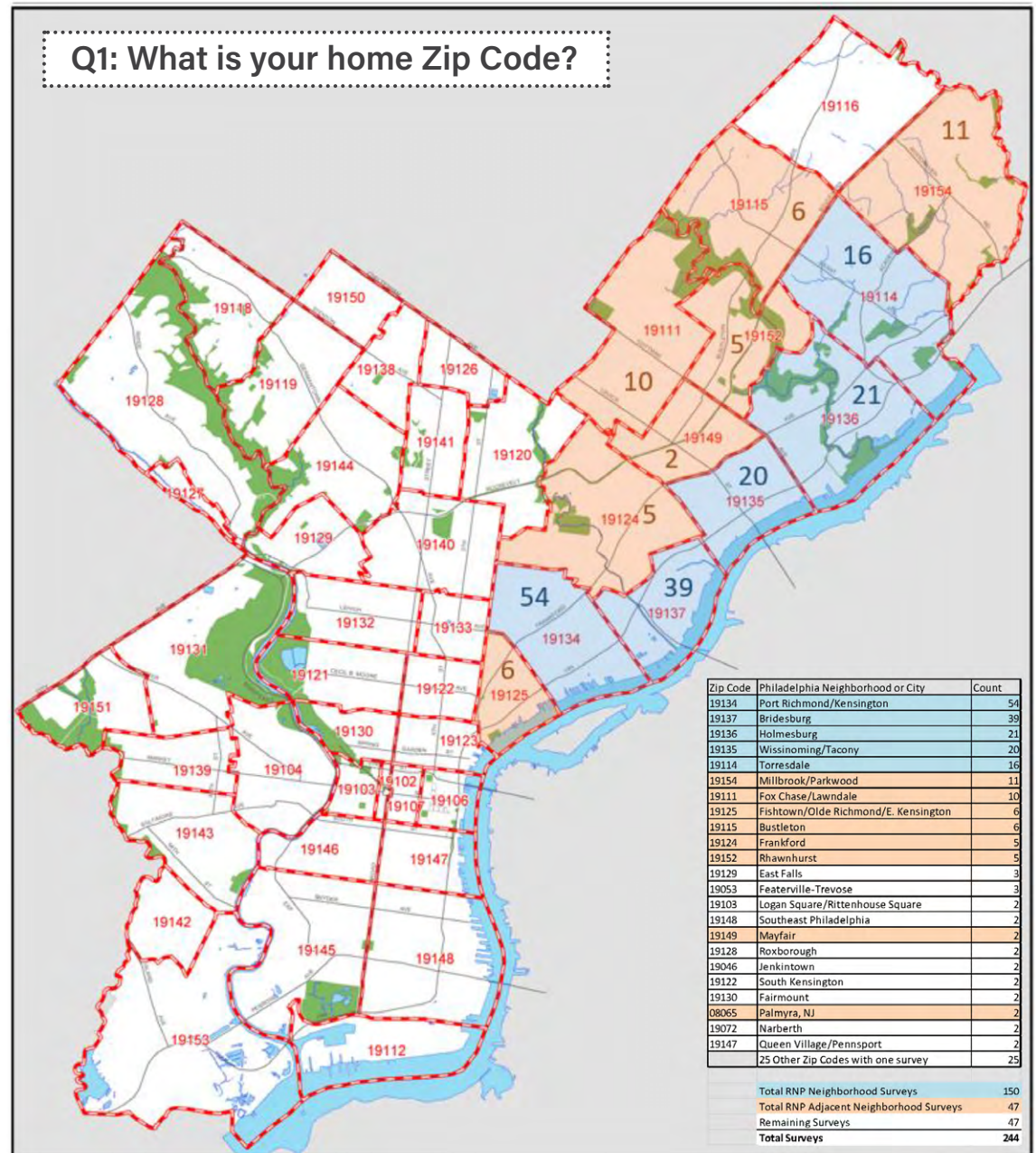


## Public Engagement, Round 2

The second round of public engagement consisted of two more public meetings and another online survey. These two meetings were held in the evening at the Tacony Library on April 29, 2019, and at the Richmond Library on May 1, 2019. The public meetings (and subsequent online survey) were advertised via Riverfront North Partnership email list and social media, local print media (Northeast Times and Star newspapers), and fliers distributed to local businesses and non-profits. All local stakeholders, such as RCOs and Friends of groups, were also notified via email and were encouraged to spread the word via their email and social media networks. A “pop up” public meeting was also held at a Community Spring Gardening & Greening event sponsored by Councilman Bobby Henon and the Northeast Philadelphia Development Corporation on April 28, 2019.

The next several pages show the results of the in-person and online survey performed as a part of this second round of public engagement. The survey was presented via hard copy at the two public meetings and was also available online between April 29 to May 30, 2019. The total number of responses from both the in-person and online survey was 244.

The survey involved 6 questions. Some responses in the following section were edited to remove profanity.





**Q2: Riverfront North Partnership wants to create a lively and active riverfront greenway experience. By creating catalyst activities that bring residents and visitors to the greenway 2-3 times a week, the riverfront will see an increased use, which in turn helps to increase neighborhood ownership of their specific section of the river. Below are some examples that are being examined for future implementation. We would like you to rate if you think it should be located along the riverfront. You may also want to refer to the boards presented at the public meeting here. Do you have something else to add? Let us know!**

*Results ranked with highest agreed upon items at top, more neutral or disagree at bottom. A weighted average of 5.00 means all participants strongly agree.*

*Points: Strongly Agree (5) Agree (4) Neutral (3) Disagree (2) Strongly Disagree (1)*

Activity	Rank	Weighted Average
Yoga, running, or other organized athletic events	1	4.38
Farmers' Market	2	4.31
Informal event/picnic space (for small gatherings)	3	4.29
Attend events like art shows, flea markets, craft fairs, etc.	4	4.28
Outdoor movies	5	4.12
Recreational Equipment Rental (scooters, bikes, etc.)	6	4.08
Community Garden	7	4.03
Food truck park (rotating food trucks parked at a specific location during set hours)	8	4.03
Dog parks	9	3.94
Outdoor fitness equipment	10	3.59
Rental space for private events like weddings, birthdays, etc.	11	3.36
Skate parks	12	2.99

**Takeaways:** Most activities saw very favorable responses. Those items that scored below a 4.00 weighted average saw higher number of neutral responses, rather than a high amount of disagree or strongly disagree. The closest split of opinions occurred with skate parks, which saw 34% disagree/strongly disagree, 32% neutral, and 34% agree/strongly agree.



## Q2, cont.

### Summary of additional amenity comments:

General Topic	Number of Related Responses
Bathrooms/Drinking Fountains	19
Improved Natural Habitat	16
Business Fronts or Pop-Up Businesses/Food Trucks	10
Shade/Seating	9
Fishing	9
Raised Viewing Space	8
Beer Gardens	7
Art/Music	6
Kayak/Canoe/Paddleboat Rentals	5
Playground	4 positive, 1 negative
Dog Park	3

- Bathrooms - that are kept clean and well stocked.
- As far as the outdoor fitness equipment is concerned, please research the adult fitness equipment that is used in parks in China! These parks could serve as a model for possibilities in Philadelphia!
- Observation decks, boardwalks, raised spaces to view the river and associated wildlife
- drinking water
- As much green space as possible. Tree cover and wildlife habitats are a must
- water fountains
- a few covered pavilions with seating, and flower-bush-tree garden like they have off Kelly drive near the Art Museum.e near at
- Water fountain, bathroom
- more bike racks, and the clearing of all the weeds that block views of the river and or more viewing areas of the river... thanks you all are doing a great job
- Restrooms, benches, shade, wayfinding at SEPTA stations and on trail to SEPTA
- Plants! Just plants, all the plants: trees, shrubs, tall grasses. No concrete! No mulch! Plants provide stress relief, decrease in blood pressure and an increase in property values. If you just pave and mulch, benefits will be minimal, this is a great opportunity to green up the city with native plants. Thank you for your consideration!
- Art Installations (Like Graffiti Pier, Magic Gardens, etc.)
- Picnic tables, shade structures
- Space for waterfront seating. Space for businesses to open (restaurants, breweries, etc). Other cities and towns capitalize on their waterfront. Ours is being WASTED.
- Business needs to be invited ... Think about the people you're catering to. 95% of them don't ... care about event space and dog parks. These people want free stuff and a party. Have you been to any of the free picnic/informal event spaces around the city? When's the last time you've been to neshaminy? It's a ... nightmare. The idea of a free/informal/ public space like the Schukyl river trail with a jogging ... is out of the realm of possibility. Bring in business space with small restaurant spaces with outdoor dining or like revolving places for local restaurants to share. Or idk a new river front south street with alt lifestyle business. Family stuff. Business. Not free ... public space that we are gonna end up having to clean up every ... weekend like it's a social ...requirement to graduate.
- Children's play equipment. Fishing pier
- More habitat improvements for wildlife
- Bird & butterfly gardens; viewing stations for looking out on the river (but out of the flow of walkers/bikers)
- Portable toilets.
- boat rentals, stores for shopping, pop up park, skating during winter season,
- fine dining... brew houses
- Riverfront restaurants, between Lardner point and linden ave. 3 evenly spaced
- Art installations, river access
- Private pool
- Senior friendly events and activities
- I like the idea of bike rentals but nothing with a motor. There is already too much noise. Also would like to see/hear music.
- restaurants/bars
- Pop up beer gardens and other pop up events. Really nice outdoor restaurant bar
- Restrooms, water fountains, snack bar, navigational signage
- Ample bathrooms
- Water Fountains; Trashcans; Bathrooms
- Kayak rentals, outdoor drinking area like spruce street harbor
- Ample trash and recycle cans- solar panel like in CC, emptied REGULARY. A lot of lighting. Places to sit. Open space for having a catch. Separate area for fishing / pier. Roofed spaces with anchored picnic benches. A lot of trees, including evergreens and low bushes.
- It would be amazing to offer all activities listed to the upper ne river front. More activities (like guided tours / walks) for retired individuals would be greatly appreciated.

- DO NOT put in a play ground. Teens tend to hang in them. Encourage parents to play with their kids instead of sit there and watch them (sometimes) Game rental activities such as corn hole, bocce ball, croquet or areas encourages for set up of family/ friend games.
- Fishing locations
- Children's Tot Lot Playground
- Bicycle Pump track
- Access to River bank for fishing, maybe a fishing pier,boat ramp
- Support for fishing and kayak/canoe access to the river
- Adaptive play equipment
- Fishing piers
- observation decks for nature enthusiasts (bird watchers, bug watchers etc), push for native plantlife for meadows and even in landscaping for native pollinators
- Native wildflower meadow, bird observation decks, shorebird habitat
- Habitat for wildlife: observation decks for the river, nature centers, butterfly & hummingbird gardens, bird-feeding stations.
- Natural areas to observe wildlife. Non-programmed green space dedicated as wildlife habitat. Non-powered watercraft specific launching access, like kayaks for low impact access to riverfront access points.
- Outdoor covered spaces like the shambles at Headhouse, restrooms, less concrete and more green space than Penns Landing, outdoor public theater like Shakespeare for live and movie performances and lastly open areas for rent by vendors and purveyors near public restrooms for tea gardens, farm markets, outdoor expos, artist sculpture exhibits, weddings, fundraisers, and festivals or firework viewing. Food trucks should be banned to promote locate food business and improve food quality and handling in suitable locations and kitchens. Bike rentals and such should be limited to within 1 block of waterfront development however access and pathways should be created to assure bikers and skaters can roll along waterfront. Parking zones either free or low cost should be within 1-2 blocks of water front access not adjacent to it. Encourage walking without discouraging walking. Obvious pathways and streets should lead to the water front as a focal point of the area. Only native trees planted throughout the water front. And pilings installed for future development of boat harbors and extended docks and commerce onto the river. Or possibly piers if cost affective although that seems like a phase two.
- Tire Garden Planters and Horseback Riding Lessons Natural habitat for wildlife
- Please use bee friendly plantings, bat-friendly infrastructure, and organic maintenance products. Bathrooms, water fountains, benches and trashcans along the trails is a must!
- Bathrooms, benches and trash cans along the trails Bathrooms that are accessible and regularly cleaned.
- Playground Restrooms
- Beer Garden
- restrooms
- I would hope to restore the pier at Pulaski that used to be there- provide a pavillion for picnics, social gathering, seats for fishing Beer fest?
- All great ideas - all positive interpretive info about activity on the Delaware highlighting conservation activities and its role as a "working river"
- Enclosed dog park would be great. A couple informal basketball net. Flat areas for teaching bike riding. Plenty of benches I would love to see a boat launch for canoes/ kayaks! These have been cut off since 95 went in.
- Trees for shade and grassy areas for spreading out a towel with a book and a snack. Like the grass at Schuylkill River anything to increase walkability
- fishing, concerts, plant sale Rest rooms in busy areas. Lighting to provide safety.
- More restrooms are needed. Dog park for dogs to run and play in. Maybe a carpool on the park similar to the one in Franklin Square Park. Winter light show sponsored by businesses in Tacomy, Holmesburg, and Wissiomoing. Events to be low cost or free to residents in the area. People from out of state to charge admission fee. Community composting site - for residents to take their compost and yard waste.
- Clean, safe restrooms at various points. Create jobs by staffing groundskeepers, security personnel. Food along the way would be great. Out biking or hiking there isn't really anywhere walkable for food. Also should reach out to Parks on Tap to pop up beer garden site.
- seasonal pop-up beer gardens, golf driving range on under-utilized land Boat launch, kayak rentals, paddleboats etc
- Boat launch, kayak rentals etc Gathering space ON the water like a large pier, floating barges, etc. a la Spruce Street Harbor Park
- what about keeping the locations clean Waterfront commercial space for outdoor restaurant/bars. Designated areas for fishing. Area for outdoor concerts/shows/ festivals. Large outdoor tv screen in a park area to watch sports games/movies.

**Q3: Imagine that you want to walk or bike from your front door down to the riverfront on or along the street. You would probably want to see some changes to the major streets between your house and the river to make it safer and more comfortable! Please rank the following choices below, from 1 being the most important, to 8 being the least important, to prioritize the most important features to improve along the Neighborhood Connector Streets:**

*The way Survey Monkey scored these is backwards...the score is higher for more people selecting #1 or #2 choices. A perfect score here (all respondents wanting the same #1) would be 8.*

Choices	Rank	Score
Enhanced lighting at underpasses	1	5.84
Separated or protected bike lanes	2	5.55
More street trees, greenery, and landscaping along the way	3	5.49
Safer and shorter crosswalks	4	5.04
New or improved sidewalks and ADA ramps	5	4.83
Lower speed limits for traffic	6	3.88
Wayfinding signage	7	3.34
Painted murals along big empty walls	8	2.79

**Takeaways:** 30% of respondents chose **Enhanced lighting at underpasses** as their #1 choice, with 24% choosing **Separated or protected bike lanes** as #1. **Painted murals** was the #8 choice for 36% of respondents, with **Lower speed limits** at 27%.

**Q4: Take a look at the mapping of the proposed Neighborhood Connector Streets here. Riverfront North will investigate both short- and long-term changes to the streets to make them safer and more pedestrian and bicycle friendly. Do you have any specific or general comments about the Neighborhood Connector Street ideas?**

**Summary of Connector Street comments:**

Topic	Number of Related Responses
Safety	11
More Connections	10
Lighting	9
Clear Paving Lines/Signage	7
Protected Bike Lanes	6
"Do Not Create Traffic Jams"/Do Not Slow the Roads	5
Greenery	5
Parking	5
Cleanliness Improvements	4
Connections to local food/amenities	4
Sidewalks	2
Indego along the trail	2
Longer Connections	1
"Please Slow Down Roads"	1

**All Connector Street Comments:**

- Bike lane bridges over busy streets would be great but, of course, expensive, probably cost-prohibitive.
- Put Greenway on State Rd from Pennypack St to entrance to POD just below Rhawn St. Improve sidewalks, signage, landscaping etc. along Ashburner St to connect this part of Holmesburg to the Greenway.
- looking forward to the delaware ave connector completion and access to the river at buckius and bridge sts
- flashing light and motorist warnings would help.
- Not only do connector streets need traffic calming and protected bike lanes and improved/widened sidewalks, but the major parallel streets need these treatments as well, such as Richmond St, Arramingo Ave, Torresdale Ave, Tacony St, State Rd, and New State Rd. There has to be a low-stress network of biking and walking routes to provide true access and connectivity to and from the riverfront.
- Missing enhancements for the Aramingo Ave and Leigh Ave Underpass. Currently dark and unwelcoming
- Street cleaning program. Richmond Street and it's sidewalks are filled with trash people throw out of their cars, and some just discard at the bus stop
- I see a lot of emphasis on biking. I feel like bikers do fine in the city just using the normal streets or sidewalks. I wouldn't decrease speed limits. They're already too low on many of these connector streets.
- Each 'connector' street needs a f---ing parking lot big enough for a food truck corral or whatever the hipsters call it.



## Connector Street Comments, continued:

- Development of Linden Ave from the river to Frankford Ave would be a huge benefit to the neighborhood. Thank you.
- The Rhawn street entry needs yellow lines on State road. Making left turn is difficult.
- should also have more connectors to Holmesburg, Holmesburg has a great park trail and it would be nice to see that corridor developed
- Lighting is important.
- Why the long way from Sheffield to Rhawn? Would'nt it be cheaper and easier to follow the river?
- i just don't want speed cushions.
- When and where possible extend the connector streets as far west into the neighborhoods as possible.
- Use indego bikes through independence blue cross as a bike vendor
- Would like to see parking available at entrance points. I don't like driving into the city but would drive to neighborhoods where I could park and ride a bike.
- I don't want to jam up traffic. The last thing I want is frustrated drivers around me. I'd like to see the Pennypack trails enhanced, entrances to those trails well-signed, and roads in my neighborhood signed toward the closest entrance so my travel to the waterfront is mostly off road.
- More riverfront access and less reliance on State Road, including a Poquessing bridge and unification of the Baxter Trail between the Fire Academy and the fish hatchery, would be best. If not, then better integration of Glen Foerd trails with State Road is certainly feasible.
- Is Baxter Trail truly "open" or is it just on summer weekends?
- It has to be a viable balance of bringing outsiders in safely to eat, drink, etc. And allowing for easy transportation of residents to get to other places that matter like post office, laundromat, groceries, etc.
- Bike lanes to be clearly marked for safety. Also to give a feel of tranquility, add more trees. Street lights to be a decorative feature. Also more connections to all areas
- Lehigh, Allegheny and Castor are heavily traveled by people buying illegal substances going to and from 95. I live on Castor and have seen multiple car accidents, mostly hit and runs by people who use their recently purchased drugs then nod out while driving 95 and betsey ross bridge. Gaul and Castor intersection is in desperate need for a traffic light. I WOULD HATE TO SEE ANYONE HIT BY A DRUG ADDICT ( or anyone) There needs to be a way to slow down speeders.
- Safety. Horrible crime area. I know, I live here.
- I'm assuming they would be Magee Avenue & Comly St
- I look forward to riding my bike 100 days a year from Bucks County. Students from AMY at James Martin will be riding it daily with their new bicycle program.
- Orthodox Street between Delaware and Richmond need to be decongested. Need a way to redirect big trucks and buses away from that residential area. Pure gridlock during rush hour(s) Nowhere for private vehicles to turn off Northbound prior to Richmond. All streets run South
- I like the connector for Comly Street better than Van Kirk Street due to the straight access point. However, both access points are good.
- Good to build better, safer connections to the river. Access to River near Frankford Creek would be great.
- Use Tioga Street as a connected street. You can build protected bike lanes into it. If it had sidewalks and better lighting after 95, dumping would reduce. You could do tire planters on the sidewalk along the connect street as well.
- They look good.
- The map did not show but I have a few roads in my area without bike lanes or safe paved walks
- I am able to access the trail by walking from my home. I have to cross the street in front of traffic coming off of I-95 at Richmond & Allegheny. Drivers are incredibly distracted, and don't ever expect pedestrians coming right off of a ramp.
- Need lights to cross on Tacony Street at connections, people drive like crazy on that street. Maybe better sidewalks/pedestrian safety at Levick street by the circle by Lardner's it's impossible to get there without driving.
- I love the idea of connecting the K&T trail to the rest of the trail and to the Tacony Palmyra Bridge.
- Green space to improve feeling of peds/bikers belonging in the space
- Lots of lights and regular cleaning to provide more security
- Block parking on corners better because people overpark and you can't see oncoming cars when you're trying to cross a street.
- Fishing and safety would be my only concern!
- More lighting and signage
- Partnering with local advocacy / walking groups to ensure people continue to use the amenities. Ensuring equity with new updates.

## Connector Street Comments, continued:

- Bike lanes needed to reach SEPTA train stations and terminals and loops (Frankford, Torresdale and Cottman)
- Many of the streets in our area are one way. Marking a bike batch isn't a safe suggestion
- In the short term, there needs to be a green-backed sharrow on Richmond St. between Orthodox and Lefevre, until long term projects connect better.
- Allegheny Ave. from Richmond to Delaware needs major improvement to attract people to the river and it's trails. Right now it is horrible and unsafe to walk or bike to the trail from any point in Richmond from Allegheny to Castor. Most of the eastbound streets if they aren't part of the construction, are litter filled, taken over by racers and vagrants. The surrounding area needs improvement also before you can expect to have a nicer riverfront. What sense is it to have a beautiful waterfront, if it is not safely and easily accessible to the residents of the area. The city needs to do their part also and get after the businesses along and near the trail to clean up their acts.
- The map would look good with Indego Bike Rental Stations at major hubs along or near the existing and future trails.
- Fix all the pot holes in bridesburg. Make sure there's tons of parking lot space, parking is tight enough
- Truly safe bike lanes are needed to connect to the waterfront trails, particularly on Princeton, Magee, and bridge street. Bridge street is particularly important because most of Torresdale ave throughout Holmesburg, Tacony, and Wissinoming has a bike lane. When you reach Bridge street, there is no bike access and it is very dangerous to get from torresdale to bridge street to continue on to the river. Bridge street is important because it allows access from the aforementioned neighborhoods to the north and frankford, port richmond, and bridesburg to the south. It's a centralized access point that should be viewed as a priority.
- all should have bike lanes
- Maintain 2 lanes of traffic in each direction if indeed roadways is intended to be a route of consistent use and service to area. Anything less is Co jective nightmare. Columbus blvd formerly Delaware Ave works and is better than the highway during some parts of the day because of multiple lanes. We need these kind of roads to be better. Remove parking spots along Allegheny of you have to and create free parking lots in strategic areas for walking to stores along the redesigned streets and avenues. Once again we are accustomed to parking off Delaware Ave and walking to venues and it works. We use parking facilities or walk further from metered or free parking. Recreate models

that work without recreating the characteristics that do not work. Penns Landing has entirely too much concrete and not enough bathrooms or picnic areas of open green space for whatever Philadelphians want to do while enjoying their waterfront. The waterfront should be adaptable not rigidly designed for a standard that exists here and only now. Simple and lowest maintenance and cost should drive design without sacraficing access and green space. Stop trying to build Rome rather build the Jersey shore. Once commerce and quality of living collide successfully there will be changes down the road. Protect areas from ever becoming casino like areas. Designate areas that are available for future large scale developement. Designate areas that will remain natural waterfront with walking aces in perpetuity so that Philadelphia will always know what our region is and how we have been blessed by its flora, water, rivers, and seasonal climate. Designate nature protected areas (enhanced for greatest enjoyment) that resemble Philadelphia without development. An old important city must remember the natural landscape that was valuable to its past. We must always feel as though we are proud and blessed to live in Philadelphia.

**Q5: The Delaware River waterfront currently supports public fishing and boat ramps for canoes, kayaks, and outboard vessels. Some additional ideas for future water-related uses are listed below. Please rate these uses, and if you have anything else to add, please feel free to add it to the list!**

*Results ranked with highest agreed upon items at top, more neutral or disagree at bottom. A weighted average of 5.00 means all participants strongly agree.*

*Points: Strongly Agree (5) Agree (4) Neutral (3) Disagree (2) Strongly Disagree (1)*

Amenity	Average	Rank
More places to walk down to the water	4.70	1
Water equipment rental (canoe/kayak)	4.13	2
Riverfront restaurants or other private-sector commercial with marina access	3.80	3
Ferries for excursions or commuting to Center City or Camden	3.74	4
Increased public fishing areas	3.73	5

**Takeaways:** All items saw a majority of favorable to neutral responses as opposed to negative responses. More places to walk down to the water had only one negative response – the rest were all positive or neutral. Roughly 15% of respondents disagreed or somewhat disagreed that riverfront restaurants, ferries, and increased public fishing areas were needed.

#### Summary of Water Amenity comments:

General Topic	Number of Related Responses
Kayaks/Sailboats/Paddleboards/Other Water Sports	10
Improved, cleaner and more Native Habitat (Green and Blue space)	8
No Motorized Boats!	3
Nature Education	3
Boat Ramps (Improve or Increase)	3
River Bank Access ("Touch the Water")	3
Innovative ways for improved river cleanliness	3
Observation Decks	2
Ferries/Water Taxi	2
Picnic Area	2
Restaurants/Coffee Shops (include kayak accessible shop)	1
Entertainment	1
Bike Racks	1
Dog Park	1
Swimming	1
Clean Energy	1
Utilize historical structures/bulkheads/piers and showcase history	1
Fishing Piers	1
Golf	1

#### Water Amenity Comments:

- Observation decks/boardwalks at/ near water edge edge tidal/water clean energy
- No power equipment or vehicles. Man powered kayaks are good. Make the space as green as possible Riverfront ecological restoration for more soft edges, vegetation, and natural habitat with educational opportunities.
- Wetland vegetation, perhaps a small interpretive sign about what plants and aquatic animals inhabit the Delaware River and how water quality is important. Native plants along the banks
- Philadelphia boat supply Ferries to BB and T in Camden and aquarium. Ferry to penns landing.
- Restaurants. Theaters. COFFEE. LOTS OF COFFEE. Pizza would be nice. Sail boat races in the summer. I believe the riverfront in Bristol, PA does this.
- water education, water sports Lighting in more areas
- Free kayaks like at Bartram's Garden Water filtering because the river is disgusting
- Picnic areas I would be more enthusiastic about kayaking if there weren't so many commercial and motorized vehicles.
- picnic areas Stand up paddle board usage. Bike parking for all of these. Possible dog beach/play area.
- Better understanding of water safety. Having the use of the river for activities is amazing. Rangers explaing /teaching safety for more oeople to feel safe and inderstand nature hold people accountable who fish and leave guts and hooks laying around.
- Improve and or increase boat ramps. The one at the Frankford Arsenal has many potholes in it and needs to be repaired desperately. River bank access
- More places to sit near the water. swimming areas.
- More dedicated places to land non-motored water craft such as kayaks for stopping in while paddling. Being able to touch the river like Penn treaty park. Penns Landing killed that and we hate that it was taken away from the water front in that area.
- Tubing?? Historical structures/bulkheads/piers preserved from the industrial past. Heritage preservation and explanation.
- Concern about more pollution and over paving greenery Maybe specific launches at Linden that separate motor boats from kayaks for safety
- water taxi paddle boats with the canoe and kayaks. Paddle boats are democratic because the don't require skill and income to learn.
- Piers for fishing Ferry rides talking about the surrounding area's history
- A "Mr Trash Wheel" to collect trash at the mouth of the Frankford Creek. Maybe a section for paddle boats, like at Penns Landing, for those who cannot use a canoe or kayak.
- Golf Driving Ranges on unused land (Conrail, Port Richmond terminal etc)

## Q6: Do you have any other comments related to the Riverfront North Greenway?

### Summary of other comments:

Topic	Number of Related Responses
Safety	12
More/Improved Native Habitat	11
Activities	9
Businesses/Restaurants	4
General Negative	3
Cleanliness/Upkeep	3
Bathrooms	2
Fishing Access	2
Accessibility	1
Boating	1
Art	1

- Hope it's a great success.
- As many native plants as possible along trails. Trees, shrubs, grasses, wildflowers, meadows to attract and support migrating birds and other wildlife. Tidal mudflats along riverbank for shorebird habitat.
- Keep access to wetlands near the mouth of Pennypack creek limited as they are now. Over time, too much usage of that area will turn it from a less disturbed natural area to a more heavily used (and impacted) recreational area.
- We're extremely eager for these proposed plans!!
- No retail, this leads to more trash and plastic to get into the waterway. If food trucks or stands are allowed to operate in this area, they should only be allowed to use biodegradable packaging for their food.
- sad to see that the trail cannot stay along the river completely
- Complete a trail to center city - #1 priority
- Thanks for your public outreach
- Pull people in with greenery, art, and activities. Then work on accessibility and safety.
- Great plan, thank you for involving public comments! I look forward to biking from Fairmount Park to the Delaware River Trail!
- Get rid of abandoned prosperities along Delaware ave !
- You are probably gonna f--- this up cause you only listen to the .5% of the city who shows up at your things or participated in these surveys and that's gonna suck. I seriously recommend finding a public space like you envision, nearby, on a good holiday weekend or something and checking out how it actually gets used. By the people from this area.

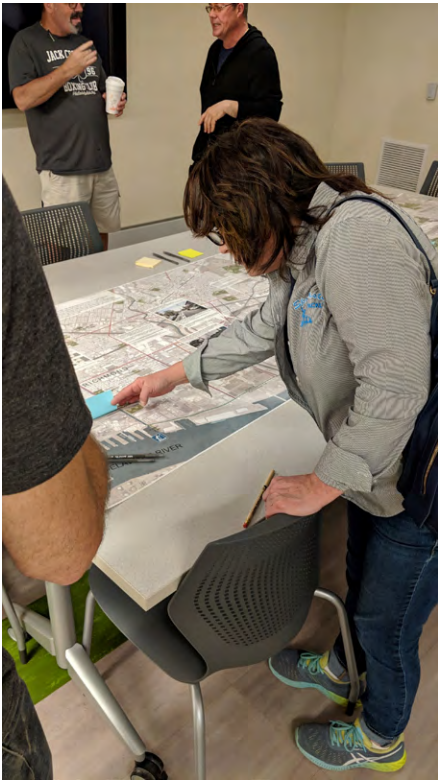
- Pleasant Point Park should be less parking lot focused and more biking and walking focused. The parking lot turns into a tailgate drinking and smoking hang out spot.
- I treasure the overgrown areas. I know they should be made nicer and safer, but please retain the wild feel where you can and keep wildlife in mind (planting natives, less lawn, keeping cats out, etc)
- Where's the portable toilets at the Pennypack on the Delaware. Do the police check this area?
- Additional development along Holmesburg corridor. Increase storefronts and make area walkable for residents. It would be nice
- This is great. Love taking a walk there. Increase lighting and maybe police call stations. I would a children's play area; to include swings and a play gym.
- more security along your paths.. it's too dark
- Regular staff to patrol the greenway adding a level of security and to encourage people to follow the rules like keeping dogs on leashes and picking up after themselves.
- Need restaurants along River as well as well kept restrooms
- So thankful for the work you do!
- More activities (kayak, canoe), more walking/biking lanes, more greenery, more restaurants please!!!!
- Different color flowers or a gardening club
- Plenty of trash cans!
- Would love to see it evolve to a place where you can go and enjoy the outdoors and be active, with nice amenities.
- Smoke free.
- Stretches with CO2 and traffic noise make a route like this less than contiguous intuitively and more so merely conceptually.
- Police bike patrols. Surrounding neighborhoods with a lot of drug traffic and drug-related events. Panic button stations just like on college campuses?
- Make sure it connects to everything else and doesn't sit as an island.
- Excited for the improvement.
- Have more docks on river.
- Focus on adults. I find it insulting when everything is geared towards families with children. I raised my kids long ago....I will bring my pets everyday.
- Make it beautiful



## Greenway comments, continued:

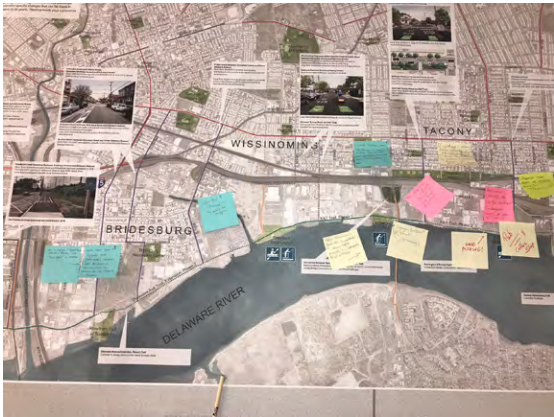
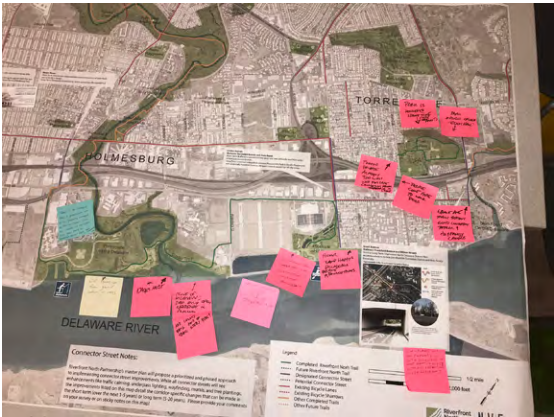
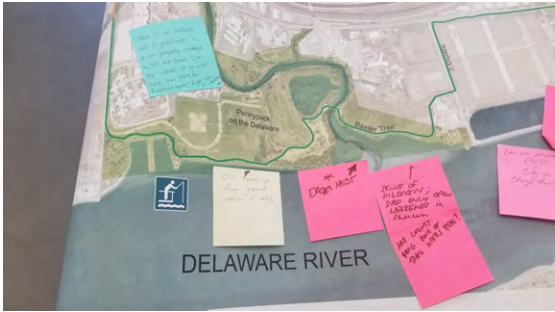
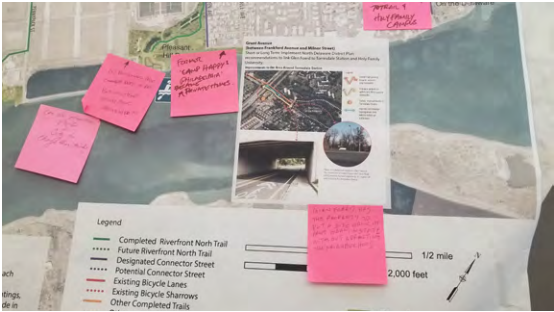
- Thanks for bringing the River Back To Us
- AMY at James Martin school will begin using the current trail in September 2019. Access to the beginning of the trail at Allegheny is currently very difficult due to construction. Please get our bike lanes painted before September.
- Please do better than the gorgeous path that is closed 97% of the year behind the police firing range. I feel like it was such a waste of taxpayers dollars to have such a beautiful trail not be able to be used, it angers me every time I see the gates closed
- I am excited about all the potential for development along the riverfront.
- the document with connecting streets in this survey is hard to zoom in and out of to really see.
- Please plan habitat for wildlife. I visit these areas regularly in search of birds, butterflies, animals. Very often when parks are overhauled the result is fewer trees, and the removal of all understory vegetation. I'd encourage you to go the other way. Make it green and use native vegetation. Celebrate our plants and wildlife.
- The bridge over Frankford Creek should be a publicly accessible bridge for fishing. As it is now people trespass to fish. Is it possible to make this an accessible fishing spot. Could further access to the river at Frankford Creek be explored?
- Zone area for commercial development and limit those areas to the smallest footprint still financially attractive to business and investment. Make large corporate business figure out how to meet the needs of their own market without giving up quality of life issues of the public at large and our common interest in a pristine and functional waterfront. Philadelphia gave all water front to business in industrial era and Philadelphia loves to bend to the will of commerce. This city exists because of its history, location, citizens and the generosity of a few great individuals. This is the message our corporate business need's to feel and be reminded every day and in everyway.
- I think horseback riding could be an awesome attraction. Additionally incorporating street art, tire recycling and stronger brand recognition (through banners and signs) would be extremely beneficial.
- I hope that historic preservation and health of animals, plants, and the river are top priorities.
- Please limit pollution
- Thank you for all of your work, I am looking forward to any future improvements!
- When's the Delaware Ave going to extend behind Bridesburg?
- Security call boxes, possible increased police patrol at night, Facebook/Instagram pages to announce events, free live concerts
- Tioga Terminal expansion (old PE near Betsy Ross)
- The proposed area is large/long enough to service 2 farmers markets.
- Love what you've done so far and we are very grateful for all you have done for Pleasant Hill Park!
- This is desperately needed! Thank you! Feet First Philly would love to help in any way!
- Safety is something that will be very important to promoting trail usage and development.
- More lighting will deter crime. Coordinate with park rangers to patrol paths. The lack of lighting has seen an increase in vandalism when there is no lighting.
- There is potential to work w/ the Philadelphia Prison on Sate Street - inmates that work in the greenhouse can help grow trees for Riverfront North? The prison will be opening an RFP soon for their urban greening program... contact Korin: korin.tangtrakul@gmail.com
- Than you for all of the beautiful work being done and yet to come!
- I hope we will see something positive within the next few years or so. For me personally, I wish it would have happened when I was younger, and more able to enjoy.
- Cameras should be added for security purposes. This would increase useage. Additionally, what studies are being done about air quality from the industrial areas along these trails, specifically in Port Richmond.
- bike/pedestrian safety getting TO the greenway should be the top priority
- The needs of wildlife, both on land and on the water, should be prioritized. Lookouts to view the river are important. Why is the Frankford Boat Launch closed in winter? OK, close the boat launch if necessary, but allow people to enter the area then.
- I am somewhat disappointed that the survey only considered amenities and events. Please do not forget about the restoration and preservation of natural habitats for wildlife!

Tacony Public Meeting



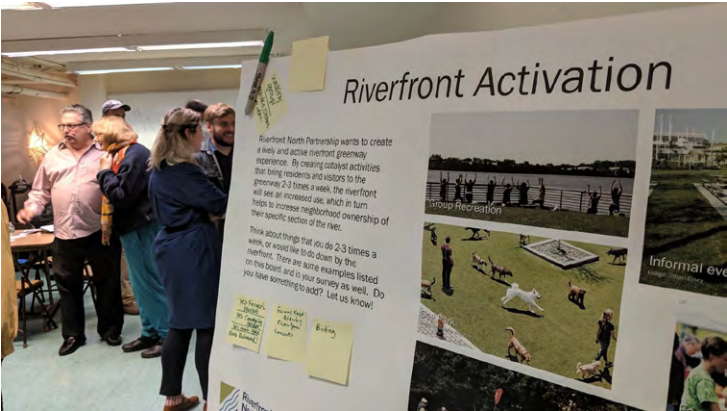


Tacony Public Meeting, cont.



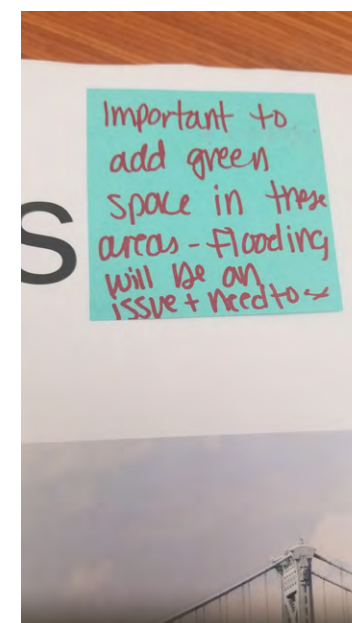
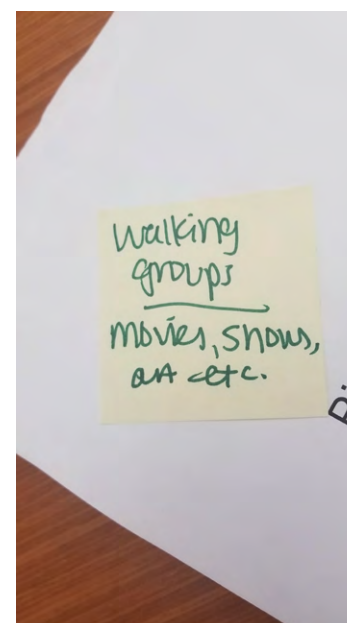
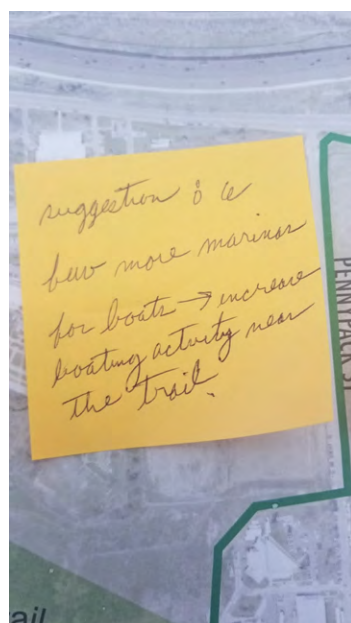
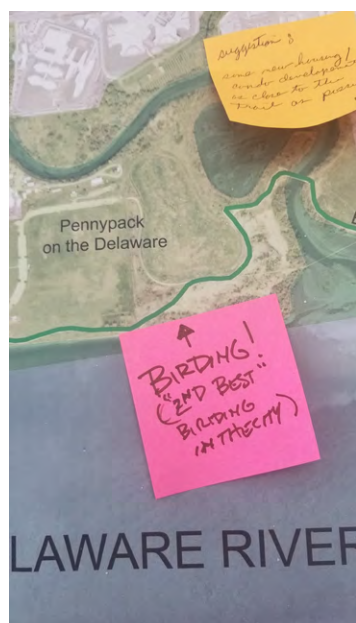
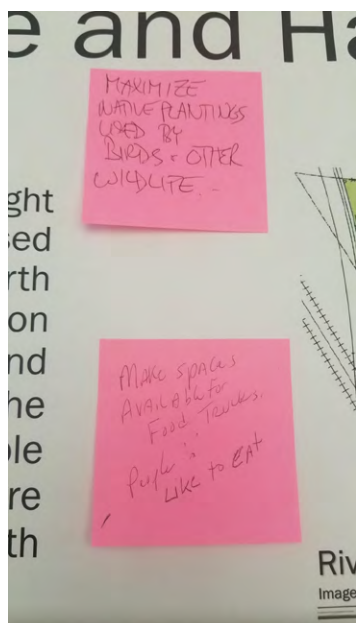
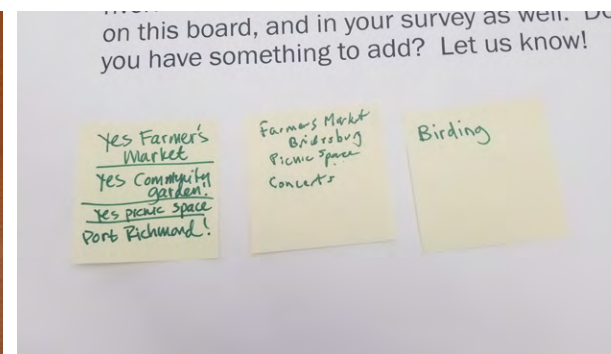
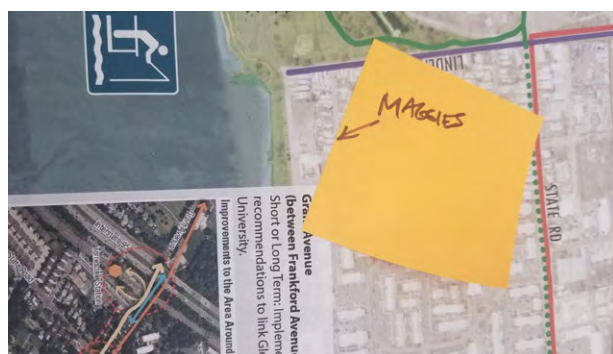
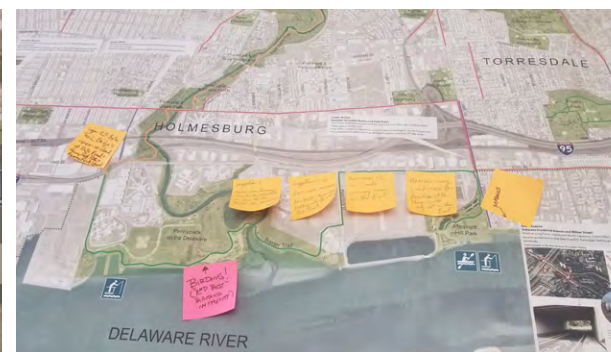
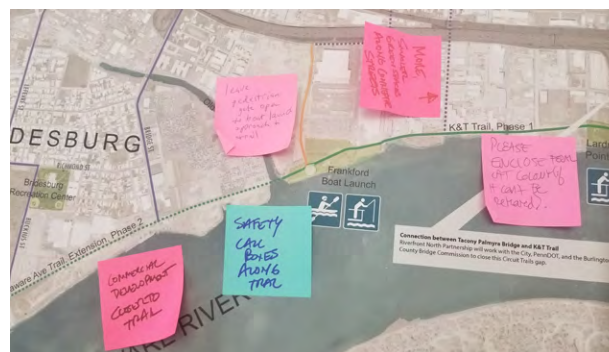
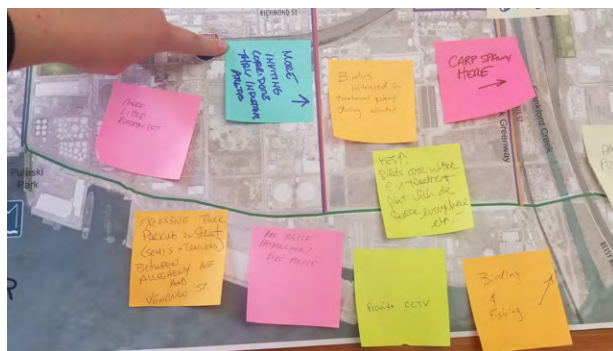


Port Richmond Public Meeting





## Port Richmond Public Meeting, cont.



# ENVIRONMENTAL SCREENING

The Riverfront North Greenway contains a number of natural habitats and potential environmental constraints, which may have differing effects depending on the type of future development that occurs within and adjacent to the greenway. The riverfront environment provides an ecosystem for many species of animals, some which are threatened or endangered. Some other environmental constraints, such as brownfields, could require regulatory agency permitting and approval prior to any future construction. For some of these constraints, compensatory mitigation could also be required as part of any regulatory approval.

## Watercourses, Waterbodies, Floodplains and Coastal Zones

- Portions of the existing greenway corridor lie within the 100-year flood plain and 500-year flood plain of the Delaware River, and are mapped within the State's Coastal Zone. The coastal zone along the Delaware River Estuary extends inland to 660 feet in urbanized areas, to 3.5 miles in rural areas, and includes the floodplain, tributaries, and tidal and freshwater wetlands. Construction within 100-year floodplains and floodways are regulated and may require permits from the Pennsylvania Department of Environmental Protection (PA DEP) and FEMA. *See FEMA map on the following pages B-3 to B-4.*

The section of the Delaware River proximate to the greenway is not designated as a National Wild and Scenic River System.

## Wetlands

The U.S. Fish and Wildlife Service's (USFWS) National Wetland Inventory (NWI) identified sixteen different types of riverine, lacustrine, and palustrine wetland systems within or proximate to the existing greenway. Based on the NWI imagery, it is estimated that approximately twenty-two wetland areas exist within the

greenway itself. Impacts to these wetland areas would require regulatory approvals from both the PA DEP as well as the US Army Corps of Engineers (USACOE). Impacts to regulated wetland and waters typically require compensatory wetland mitigation as part of any regulatory approvals. *See page 116 - 117 in the Master Plan for National Wetland Inventory Map.*

## Federal and State Protected Species Review

- The greenway corridor was reviewed for protected species at the state and federal levels. The section of the Delaware River associated with the greenway is a major tidal river accessible to both Atlantic Sturgeon and Shortnose Sturgeon, both federally protected species (*see habitat range maps on the pages B-5 and B-6*). The US Fish and Wildlife Service's (USFWS) Information, Planning and Consultation (IPaC) system identified the Indiana bat (a protected bat species), Red Knot (a protected bird species), and Bog Turtle (a protected herptile species) as federally protected species potentially present within the greenway corridor. Thirty (30) migratory bird species were also recognized as potentially present within the greenway project area, although the presence of critical habitat, wildlife refuges, and fisheries were not indicated in

the supporting data/mapping. These migratory birds, while not all considered Federally or State threatened or endangered species, are protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act.

### **Natural Heritage Program Review for Protected Species**

The greenway is a vital habitat to many species. Most of the greenway corridor is located within the Delaware River Shoreline Core Habitat, while part of the corridor is located in the Pennypack Park Core Habitat area. Core habitats are areas that provide substantial habitat requirements for specific species. These core habitat areas can support little disturbance without negatively affecting the habitat of the species using these areas. Future improvements to the greenway could potentially impact portions of one or both of the core habitat areas listed above, and could potentially impact two other nearby core habitats (Poquessing Creek Greenway and Frankford Creek) as well.

The greenway is also within what is considered an "Important Bird Area (IBA)" by the Audubon Society. These sites provide essential habitat for one or more species of birds, and include sites for breeding, wintering, and/or migrating birds. IBAs may include public or private lands, and they may be protected or unprotected. Further coordination with Audubon Society may be required for future improvements that may impact the above mentioned IBA.

Portions of the project limits are located within Conservation River Reaches. These are large river reaches that have a conservation priority if they had occurrences of quality community types from all three groups – mussels, macroinvertebrates and fish, and fish or macroinvertebrate metric scores above the 90th percentile

for all large river reaches. Alternatively, some reaches of large rivers are selected as a conservation priority as a result of the recommendations from regional experts familiar with individual river systems.

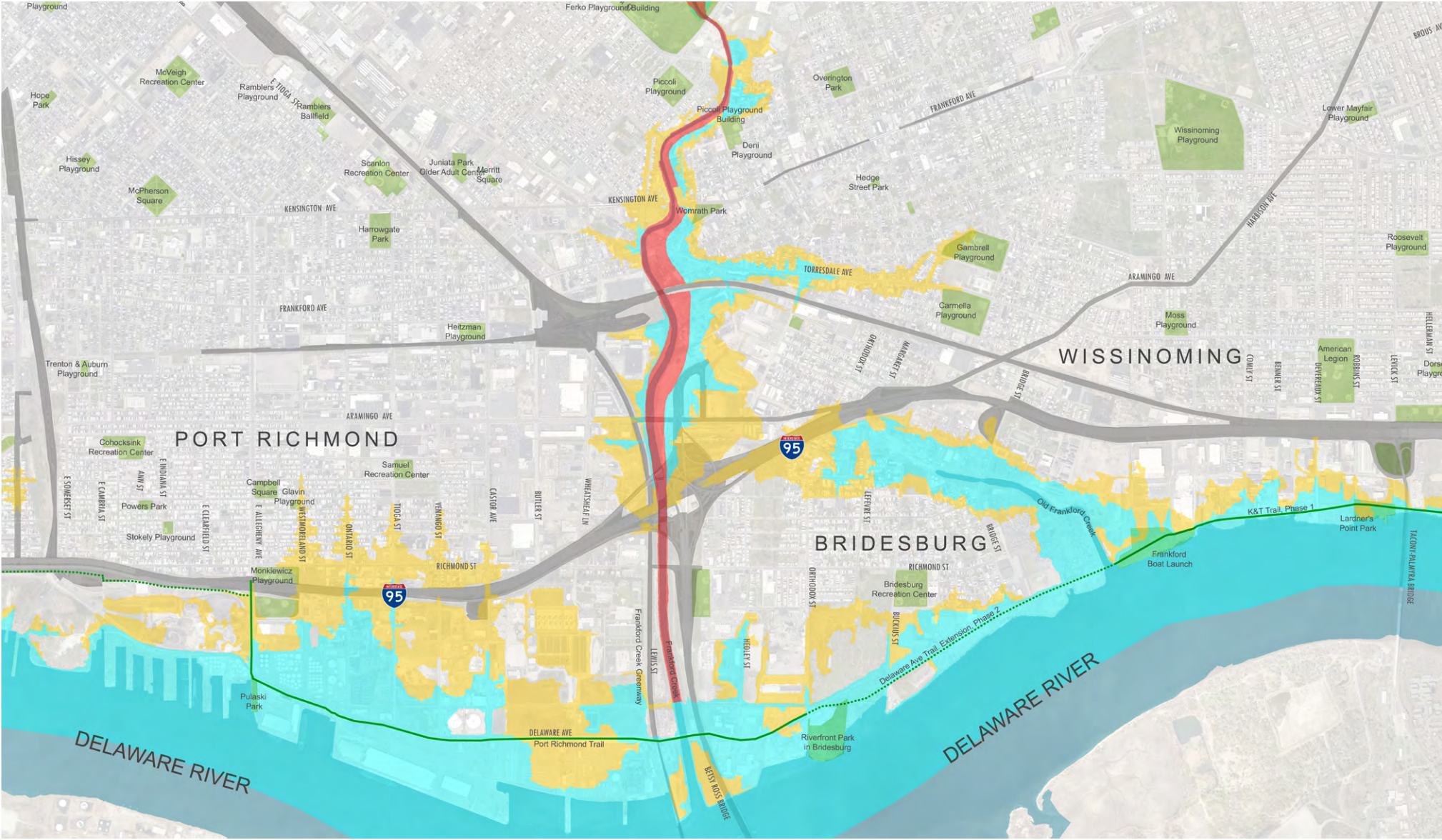
- More information can be found in Chapter 10 of the *Pennsylvania Aquatic Community Classification User Manual*.

The greenway is located within portions of the Tacony Creek-Frankford Creek, Lower Pennypack Creek, and Poquessing Creek watersheds. These watersheds are listed as restoration watersheds by PA DEP. Excluding Lower Pennypack Creek (Tier 2), the remaining four watersheds are listed as Tier 1. Tier 1 Restoration areas represent the most disturbed watersheds that exist in Pennsylvania. There is much physical alteration in these watersheds, and the in-stream habitat supports only the most pollution-tolerant organisms. Tier 2 Restoration areas category are also impaired, but their need for restoration action may not be as immediate as those with Tier 1 status.

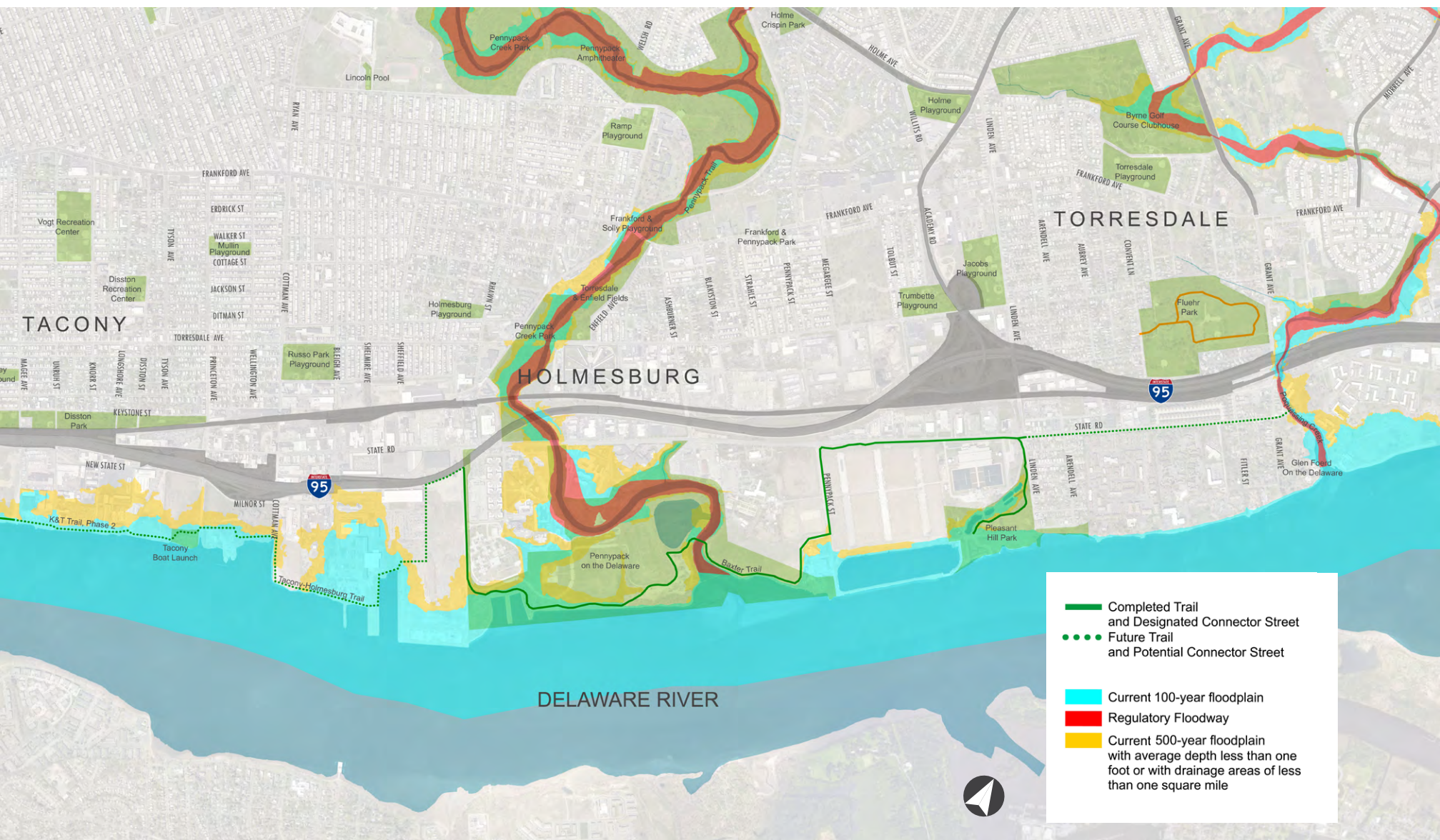
- More information can be found in Chapter 11 of the *Pennsylvania Aquatic Community Classification User Manual*.
- More information on the Pennsylvania Natural Heritage Program can be found on their website at [naturalheritage.state.pa.us](http://naturalheritage.state.pa.us).



FEMA Floodway and Floodplain Map







## The East Coast Greenway Alliance Map





## The East Coast Greenway Alliance Map, Pennsylvania



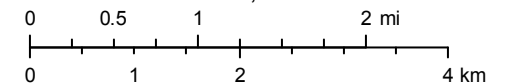
## Water Encroachment Locations



November 26, 2019

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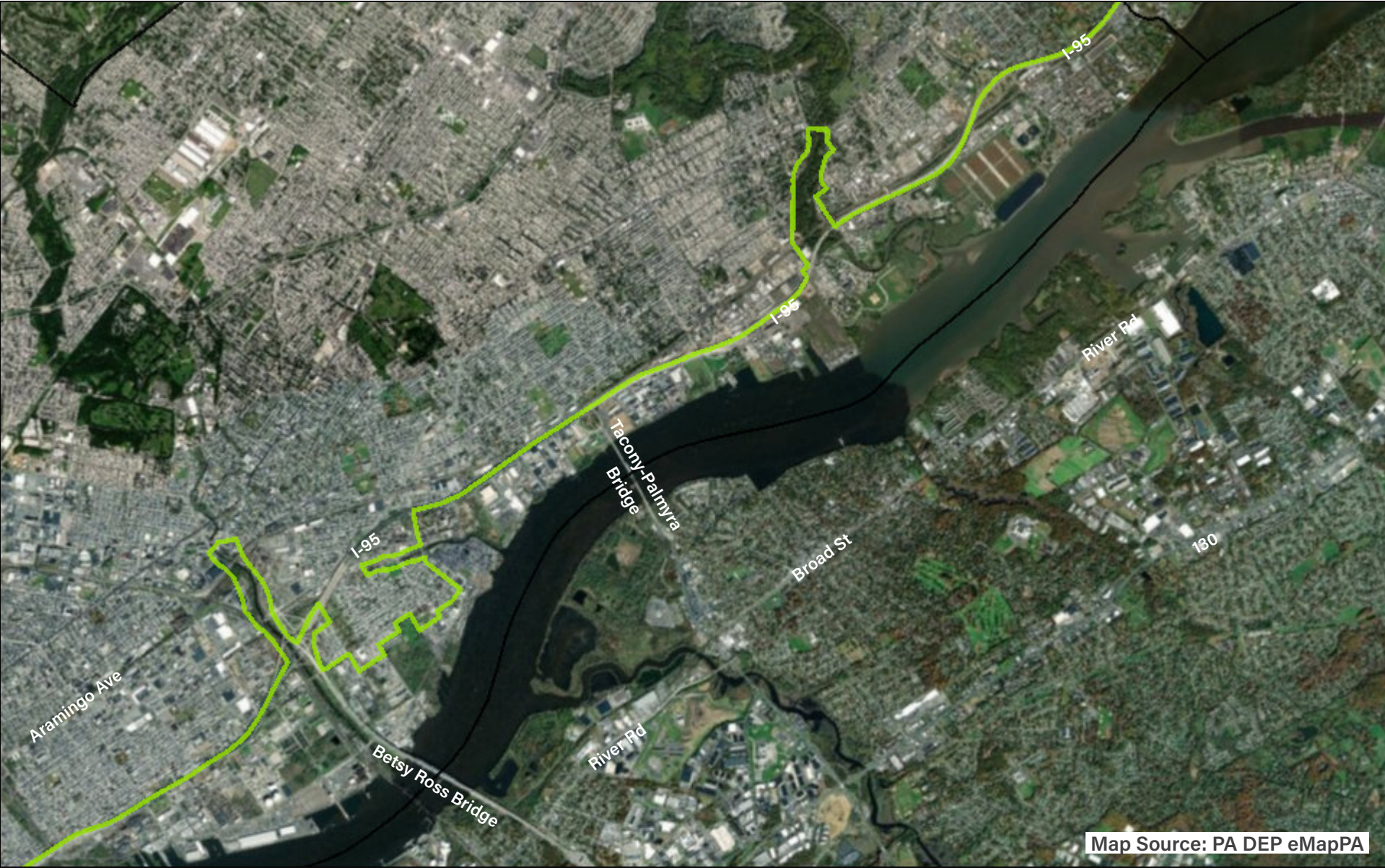
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Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),



Coastal Zones

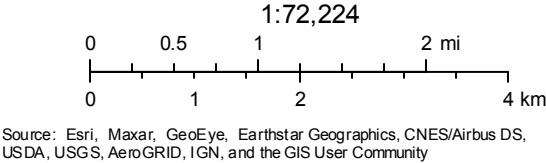


Copyright: PA DEP

Legend

Areas POI - Environmental

Coastal Zones







*Tacony, Tacony Music Hall, 4815 Longshore Avenue, northwest corner of Longshore Avenue & Edmund Street, H C., Jordan, F. W., McGowen, J. J. & Jacobs, J. A., Elliott, J., photographer. (1933) Historic American Buildings Survey (Library of Congress)*

# ARCHAEOLOGICAL SITES AND HISTORIC SITES & DISTRICTS

There are no mapped archaeological sites that are listed or determined eligible for listing on the State or National Registers within the greenway corridor. There are, however, a number of areas listed as having a medium to high potential for pre-historic sites.

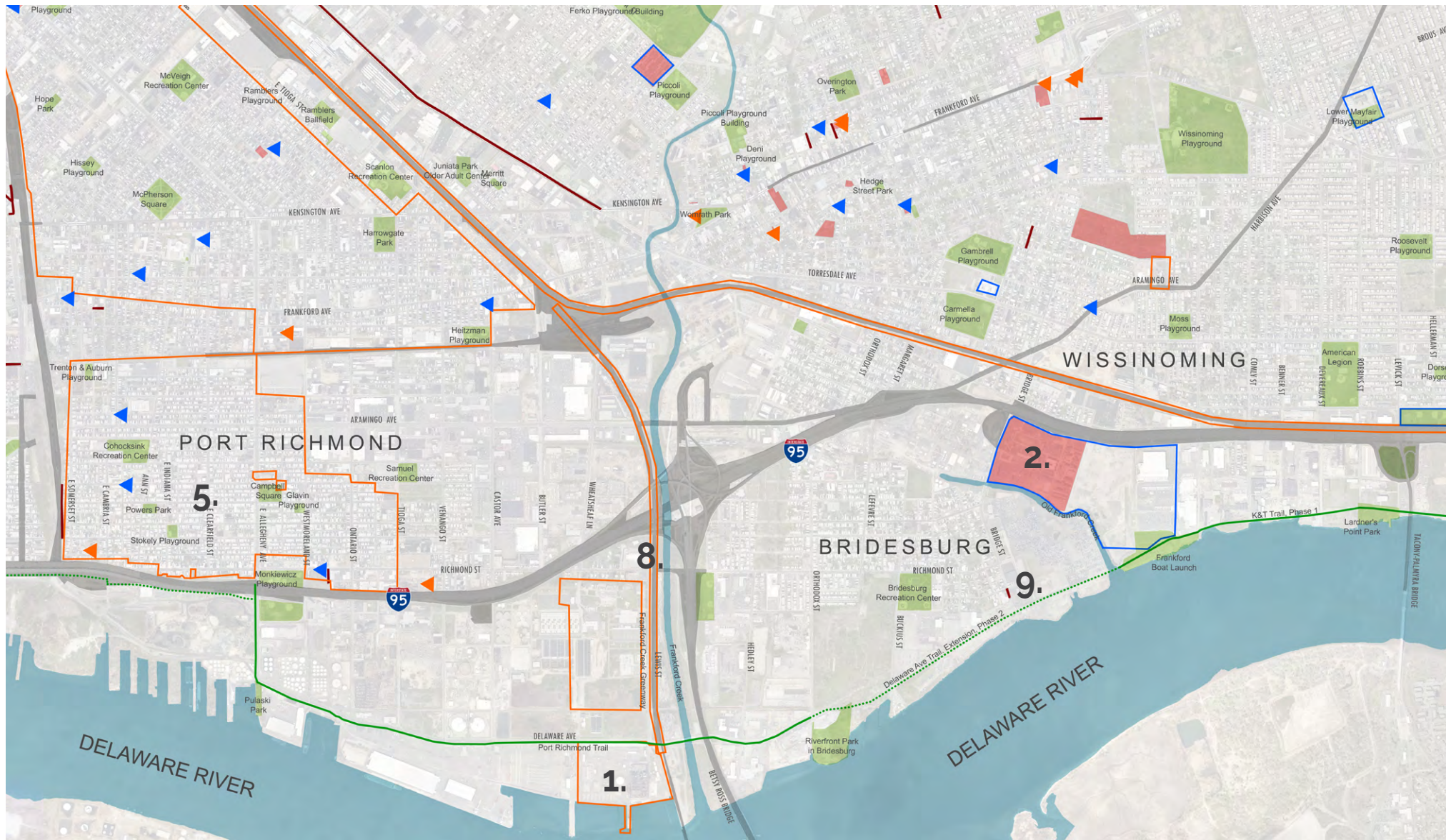
According to the National Park Service, properties eligible for listing in the National Register are at least 50 years old. Properties less than 50 years of age must be exceptionally important to be considered eligible for listing. Listed properties in the National Register of Historic Places have formal recognition of a property's historical, architectural, or archaeological significance based on state standards.

The map on the following page shows the locations of currently listed or eligible to be listed historic sites and districts that are located within greenway corridor. Important sites in proximity to the greenway include the following (numbers correspond to map on pages C-3 to C-4):

1. Richmond Station, Philadelphia Electric Company - SHPO Eligible
2. Frankford Arsenal - Listed
3. Glen Foerd at Torresdale – Listed
4. Philadelphia Forge Company – SHPO Eligible
5. Port Richmond Historic District - SHPO Eligible
6. Torresdale Water Treatment Plant – SHPO Eligible
7. Philadelphia House of Correction – SHPO Eligible
8. Pennsylvanian Railroad: Philadelphia to Southern New Jersey Line – SHPO Eligible
9. Bridge St. (east of Garden St.) - City of Philadelphia Historic Street



# HISTORIC SITES







# HAZARDOUS MATERIALS AND LANDFILLS

It is no surprise the industrial history of the North Delaware riverfront has resulted in a number of hazardous material sites across the greenway corridor. The maps on the following pages give a snapshot of the identified hazardous materials sites that have been identified by the Environmental Protection Agency (EPA) and PA DEP as having limitations to use or having current or historical hazardous material uses.

**PADEP eMapper Activity Use and Limitations Site (AUL)** A single AUL is located at 2867-79 E Allegheny Ave, Philadelphia, Pa 19134. The facility name is Smith Edwards Dunlap Co. AUL ID: 1980- AUL sites may have restrictions/limitations on the use of the property associated with them, however further coordination with PA DEP would be required to determine the extent of limitations at this site.

**PADEP Regulated Waste Facilities** Several transfer stations, several abandon landfills, and at least one processing facility associated with municipal waste are within or in the vicinity of the existing greenway.

**PADEP Storage Tanks** Multiple locations of both active and inactive storage tanks were identified within the project limits.

**PADEP Land Recycling Cleanup Location** The Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites. Multiple locations within or proximate to the greenway are associated with groundwater media and soil media.

**Federal EPA “Envirofact” Sites** “Envirofacts” is an EPA database providing select USEPA environmental data. The Envirofacts website provides access to several EPA databases that provide

environmental information associated with a number of environmental concerns, including facility information, toxic chemical releases, Superfund status, air emissions, hazardous waste handling processes etc.

Although Envirofact sites proximate to the Greenway corridor may not be linked with a release or contamination, multiple Envirofacts facilities are located proximate to the existing Greenway corridor.

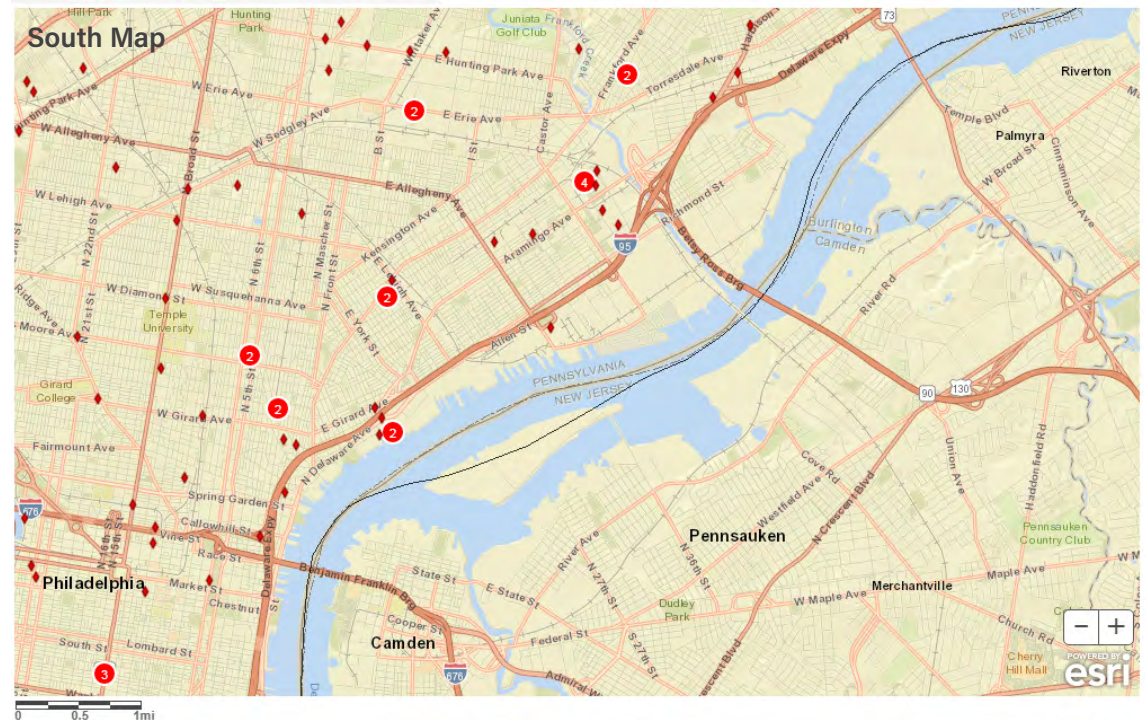
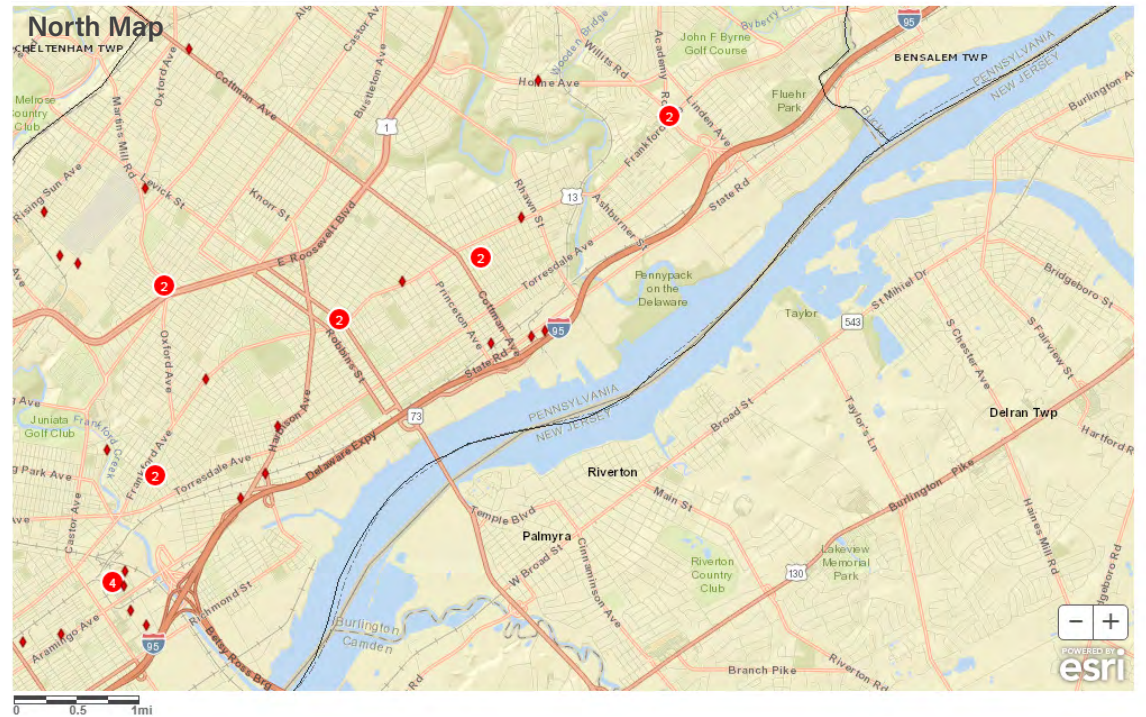
Several facilities within or proximate to the proposed Greenway are identified on the EPA Toxic Release Inventory.

## **Sites identified by the EPA Mapping**

- Two (2) facilities, Rohm and HASS Chemical and Franklin Smelting and Refining Corp., were identified as having toxic release to water.
- It appears four (4) facilities were identified as having toxic release to land.
- Two (2) Superfund sites may reside in the proposed greenway corridor.
- An emergency involving the release of PCBs and other organic chemicals to soil occurred within the project boundaries.
- At least one Brownfield site is within the proposed greenway corridor.
- Several RCRA (hazardous waste) facilities were mapped within the proposed greenway corridor.
- Several facilities also require biennial reporting, which may or may not indicated a release/ contamination.



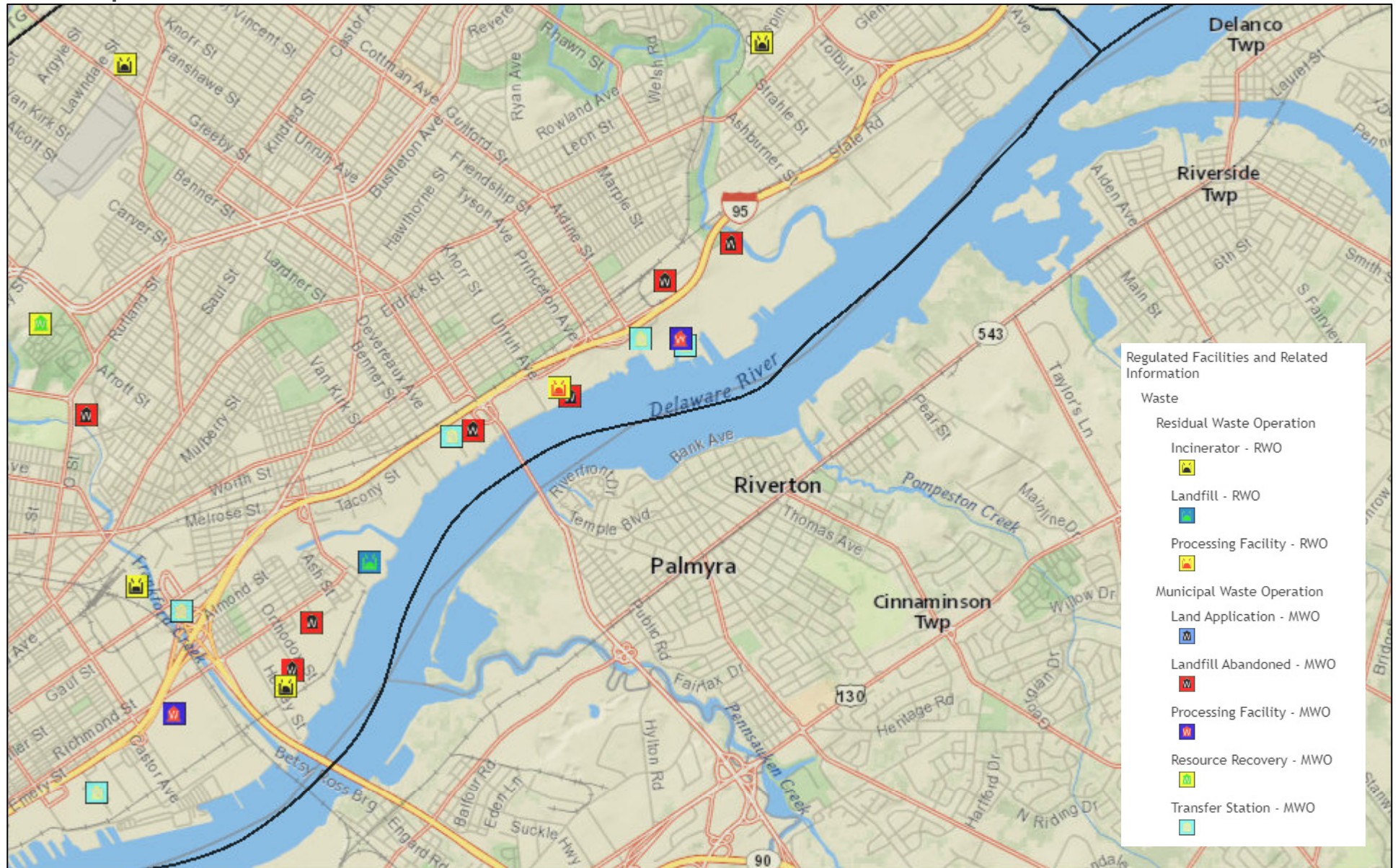
## Activity Use and Limitations (AUL) Maps



- ◆ AUL - Single
- ◆ AULs - Multiple  
# - indicates number of AULs



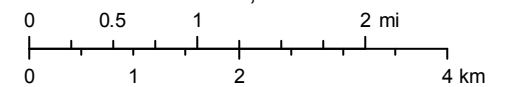
## Waste Operation Centers



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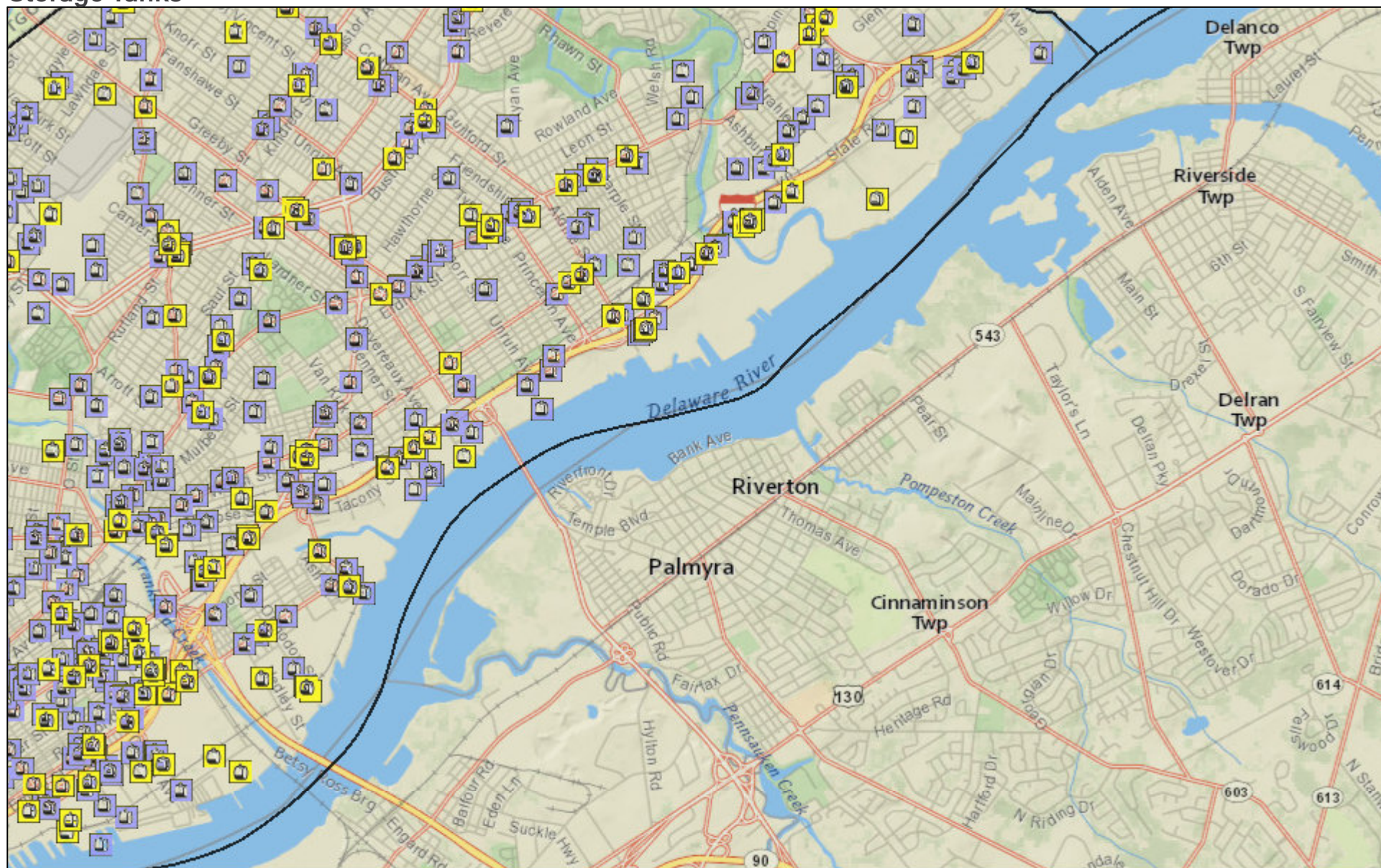
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Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),



## Storage Tanks



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Storage Tanks

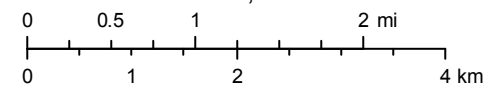
Storage Tanks Active



Storage Tanks Inactive



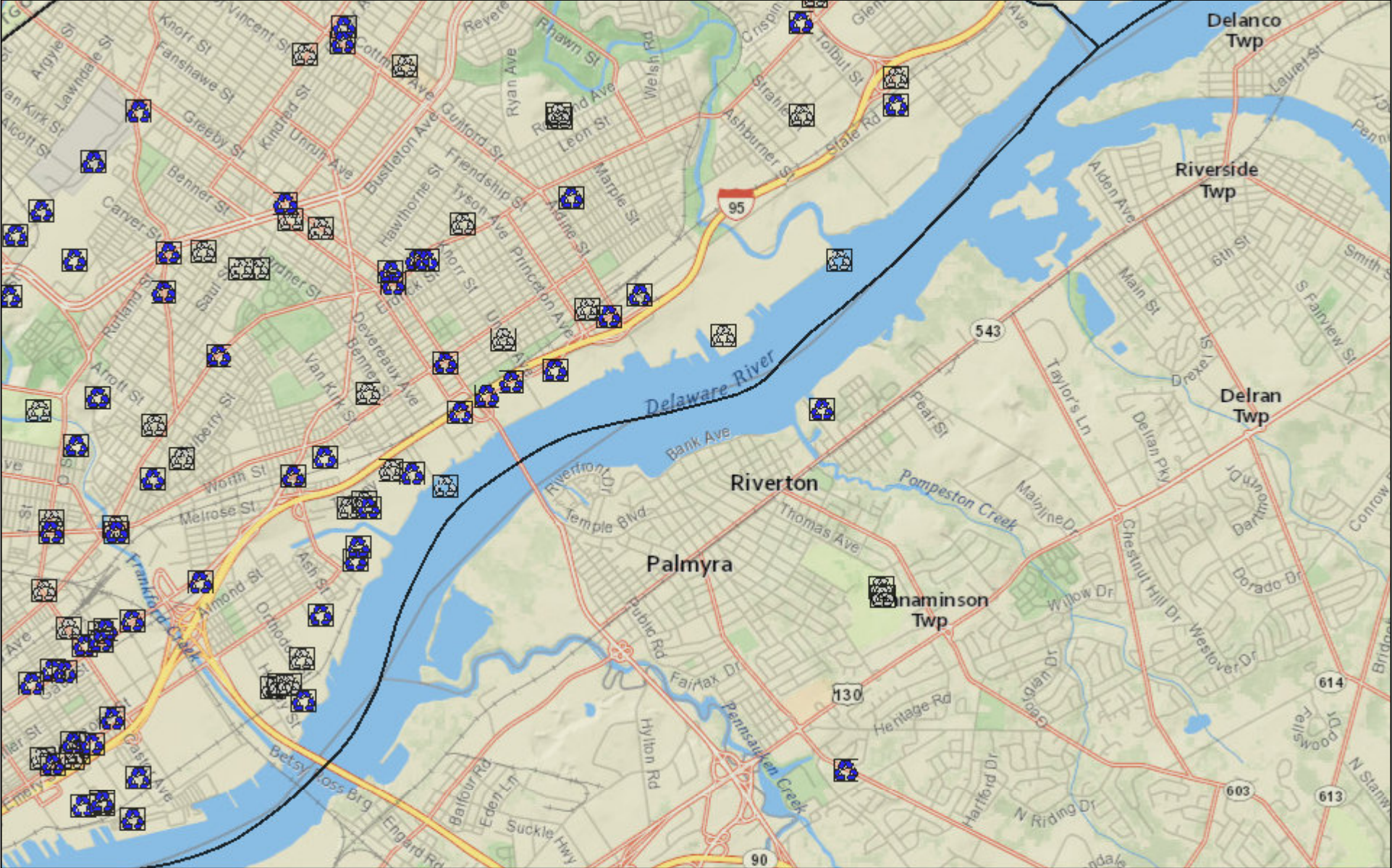
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Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

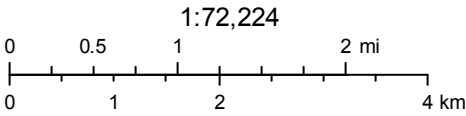


Land Recycling Clean-Up Locations



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Copyright: PA DEP

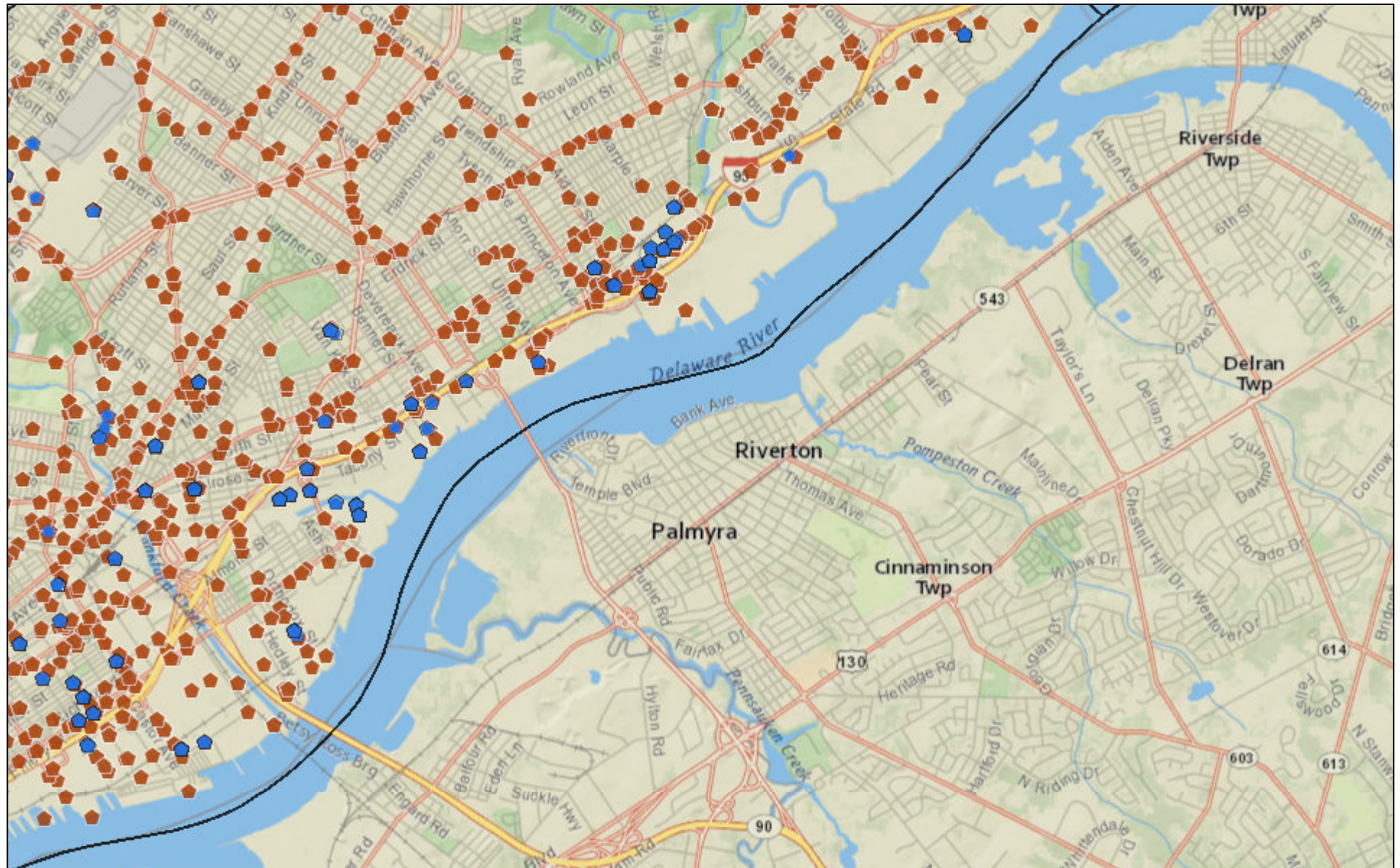
- Land Recycling Cleanup Location
- Groundwater Media
  - Soil Media



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),



## Federal EPA Sites



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Federal EPA Sites

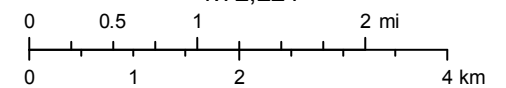
Toxic Release Inventory



Envirofacts Facilities



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Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

