

Green Infrastructure Shoreline Site Visit

March 11th, 2022



Shayna Hirshfield-Gold - Climate Program Coordinator, City of Oakland



Things you should know about Shayna...

- * Shayna oversees the City of Oakland's climate action planning.
- * She has been part of the City's Sustainability team since 2014, and led the creation of Oakland's new Equitable Climate Action Plan.
- * She is from the Bay Area originally but has worked in different states.
- * She holds Masters Degrees in Public Policy and Social Work from the University of Michigan, Ann Arbor; and a BA from UC Santa Cruz.

Questions to ask Shayna: Where is your favorite place to work? What is unique about Oakland's Climate Program?

Daniel Hamilton - Sustainability Director, City of Oakland



Things you should know about Daniel...

- * He has 20 years of experience in sustainability work!
- * He represented Oakland at the U.N. COP21 in Paris!
- * Oakland's sustainability program is one of the most ambitious in the world, and he leads it!
- * He teaches classes in energy management, sustainable policy development and green building design and construction.

Questions to ask Daniel: How does Oakland compare to other places around the world in terms of sustainability? Is working for the City fun?

Maya Carrasquillo - Assistant Professor of Energy, Civil Infrastructure and Climate, Environmental Engineering; UC Berkeley



Things you should know about Maya...

- * Maya earned her Ph.D. in Environmental Engineering from the University of South Florida in 2020 and her B.S. in Environmental Engineering from the Georgia Institute of Technology in 2015.
- * She is focused on researching, educating, and implementing just and equitable solutions to address systemic issues connected to critical infrastructure in Black and Brown communities.
- * She has served on several Climate and Environmental Justice panels.

Questions to ask Maya: How does your research support community? Why did you want to become a professor?

Mark Stacey - Department Chair and Professor of Environmental Engineering ; UC Berkeley



Things you should know about Mark...

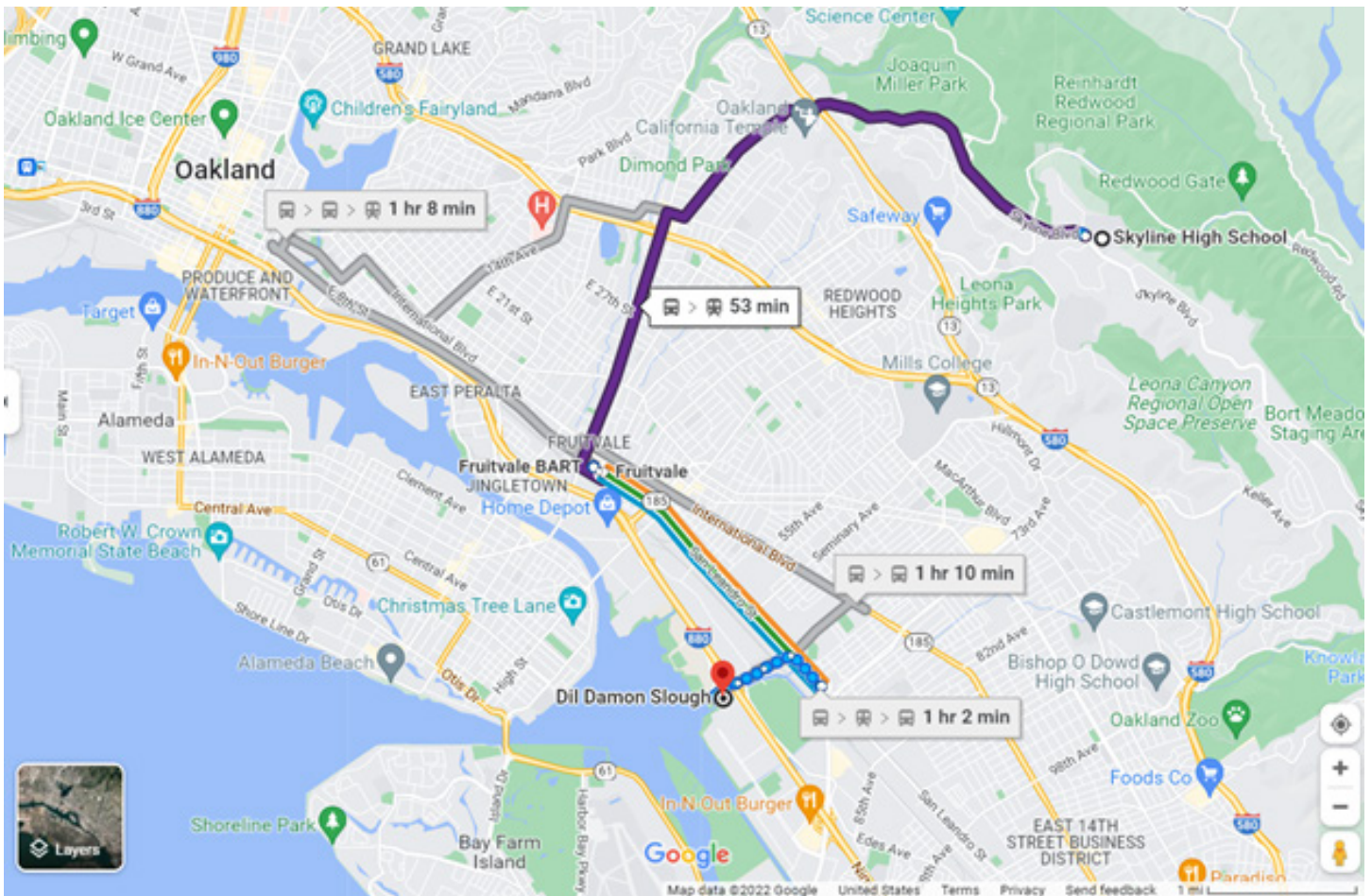
- * Mark heads a National Science Foundation project to examine infrastructure resiliency in California.
- * A larger goal of Mark's research is to improve how local, regional, state and federal agencies interact in planning for the future.
- * Mark received his bachelors degree in Physics and Political Science, and his M.S. and Ph.D. in Hydrology, from Stanford University.

Questions to ask Mark: Why is teaching and engineering education important to you? What are changes you think our governments should make towards a more sustainable and climate conscious world?

Oakland Shoreline



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Zoom Out!

How did you get here?

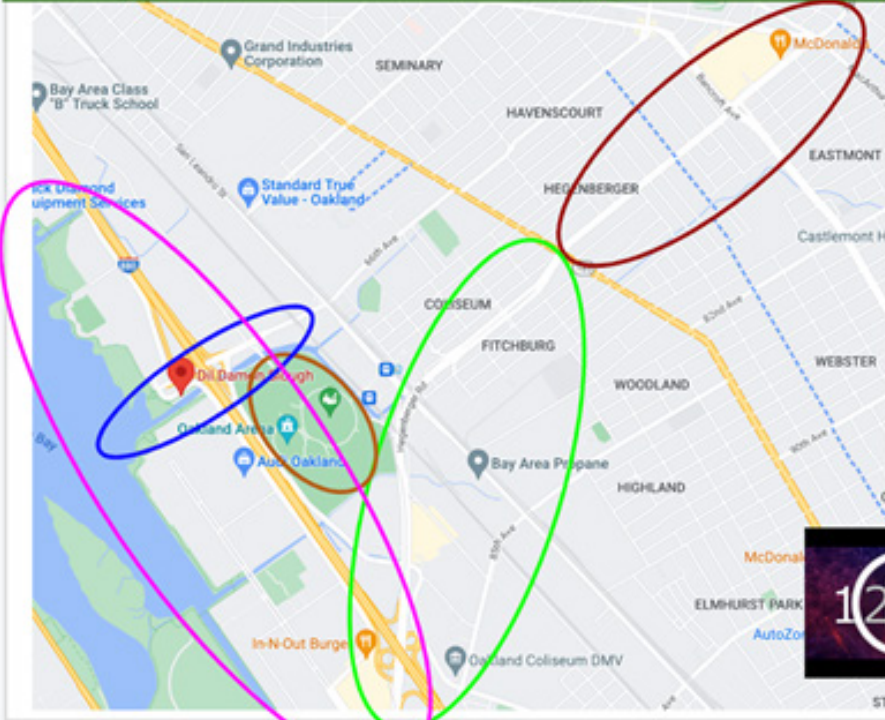
Can you circle a few locations on the map that are important to you?

Is it easy to get there from the Coliseum BART?

How do the things you noticed in the SWOT analysis match what you see now that you are on the site? What is surprising to you? **Use the map below to circle what you do or do not see.**

On the Other side of this paper, draw a quick sketch or takes some notes about the coliseum area, Damon Slough Circle, and/or Garretson Point.

Project Site SWOT Analysis



Divide your table into two teams.

Each team take an area. Use google maps and google earth to look at it.

Talk about what you are seeing.

Put your observations in these categories and write them on the slips:

Internal: Oakland/owners can control

STRENGTH - pink

WEAKNESS - yellow

External: Oakland/owners can not control

OPPORTUNITY - blue

THREAT - white

Table 1 - Red & Brown

Table 2 - Green & Blue

Table 3 - Pink & Green

Table 4 - Brown & Pink

Table 5 - Blue & Red

Table 6 - Green & Brown

1. Tree Cover
 2. Trails
 3. Shopping Area
 4. Not a lot of traffic
 5. Good air quality
- Nice houses
Park for exercise
Open Space

1. Parking
2. Trails
3. No trees
4. etc....

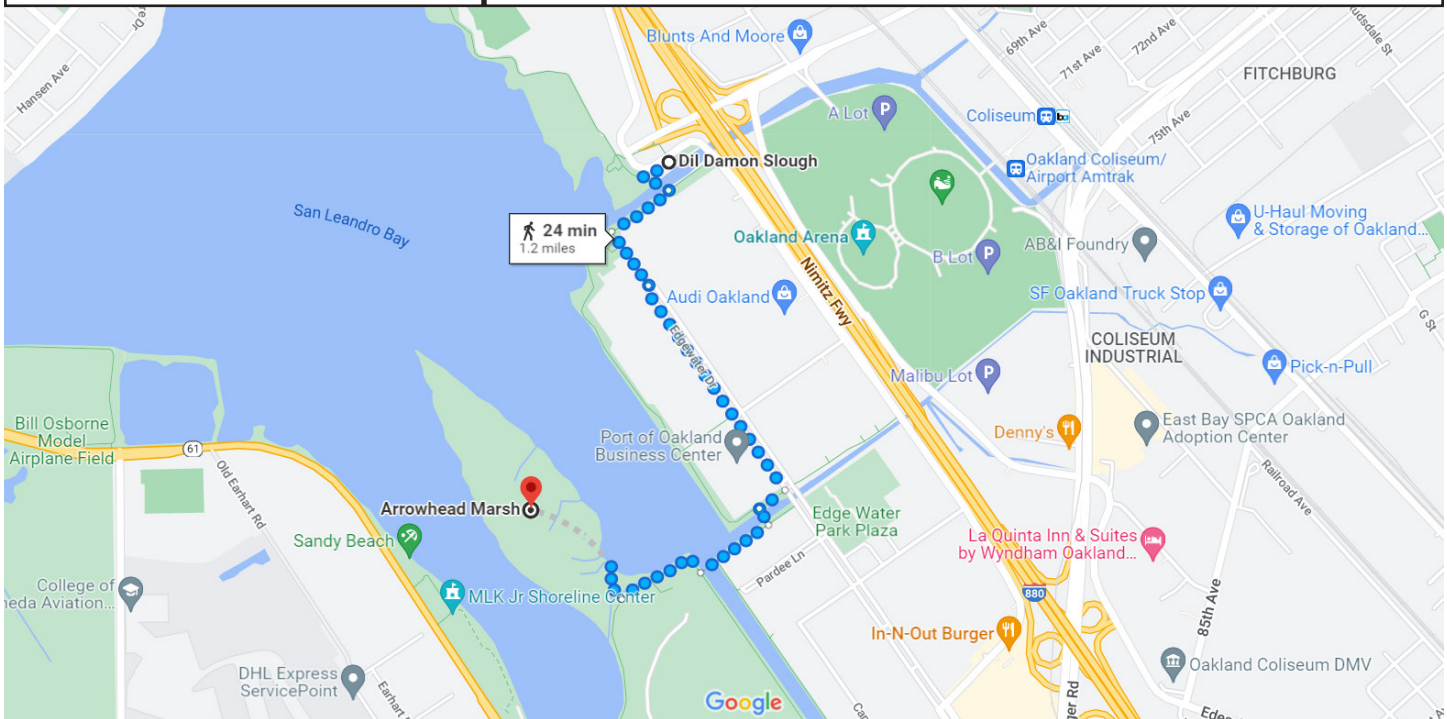
**STRENGTH WEAKNESS
OPPORTUNITIES THREATS**

1. Parking
2. Trails
3. No trees
4. etc....

1. Parking
2. Trails
3. No trees
4. etc....

We are going to walk from **Damon Slough** to **Arrowhead Marsh** and observe the landscape, surrounding buildings, water, and greenspace. Take notes on what you like and don't like about the areas we visit. Think about what impact urban streams and runoff have to this area. How might green infrastructure change this area? **Use thi space below to take notes on your observations.**

Location	Notes on Your Observations

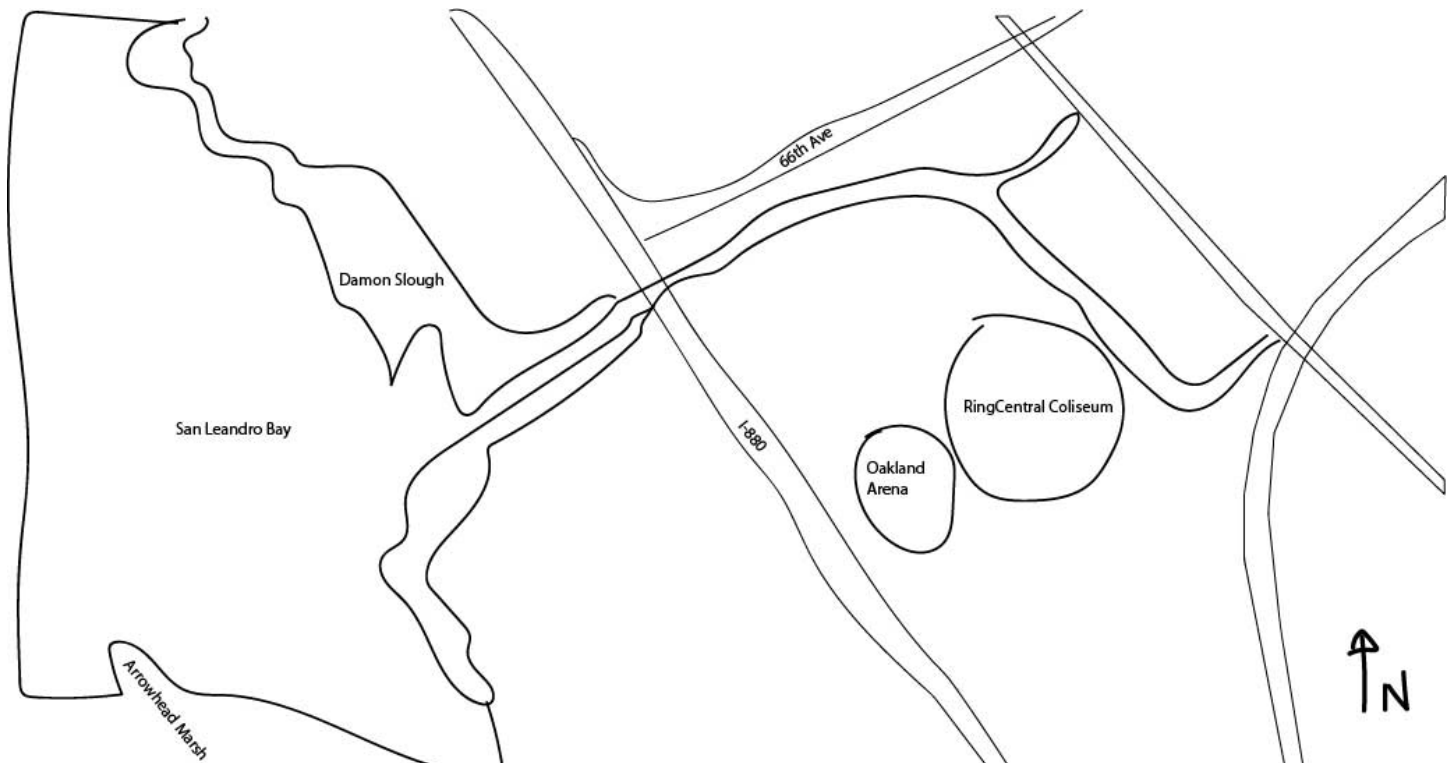


What impressions do you get in this BART station and parking area?

What impressions do you get in the Damon Slough Circle and Garretson Point?

How is Oakland Airport preparing for sea level rise?

What is one speaker, YPLAN Mentor or chaperone that you learned something from or really enjoyed. Why did it make an impression?



Draw a quick sketch or takes some notes about one of the areas we visited today (the coliseum area, Damon Slough Garretson Point, Arrowhead Marsh). Circle the area you want to sketch in the bird's eye view drawing, above.