

Universities as EJ Allies



Building Partnerships for Positive Change

Presentation Roadmap

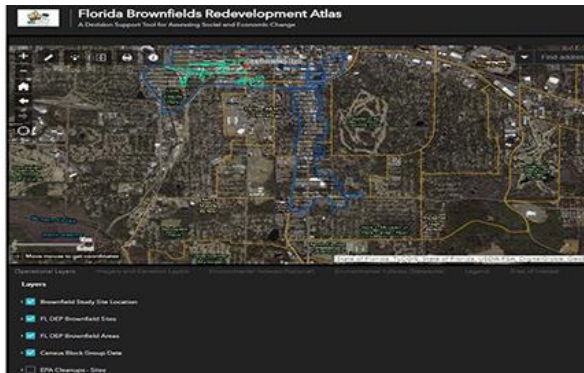




Our mission is to leverage interdisciplinary scientific expertise at the University of South Florida to inform outcome-driven research on environmental toxicants, land use legacies, community health, environmental justice, and sustainable and equitable development.

USF UNIVERSITY OF
SOUTH FLORIDA.
CENTER FOR BROWNFIELDS
RESEARCH & REDEVELOPMENT

RESEARCH



**Florida Brownfields
Redevelopment Atlas: A
Decision Support Tool**

**Florida Department of
Environmental Protection
Contract, 2017-2020**

REDEVELOPMENT



**Brownfields Area-Wide
Planning for the University
Area Community**

**U.S. EPA Brownfields Area-
Wide Planning Grant, 2017-
2019; U.S. EPA Community-
wide Assessment Grant, 2019-
2022**

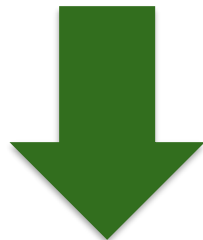
EDUCATION



**Environmental Workforce
Development and Job
Training Program for East
Tampa**

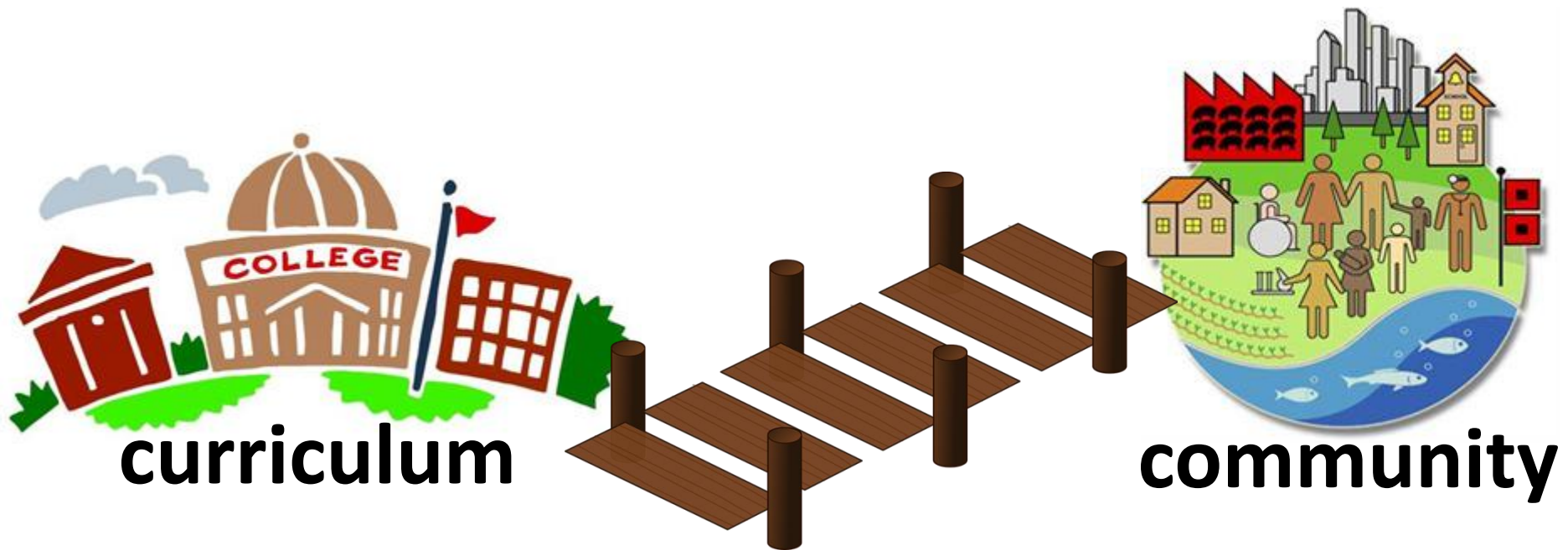
**U.S. EPA Environmental
Workforce Development and
Job Training Grant, 2020-2022**

Brownfields are defined by the U.S. Environmental Protection Agency as properties—“the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.”



Healthfields are former brownfield properties that have been redeveloped to improve access to healthcare and healthy living, such as health clinics, community gardens, farmers markets, and recreational parks.

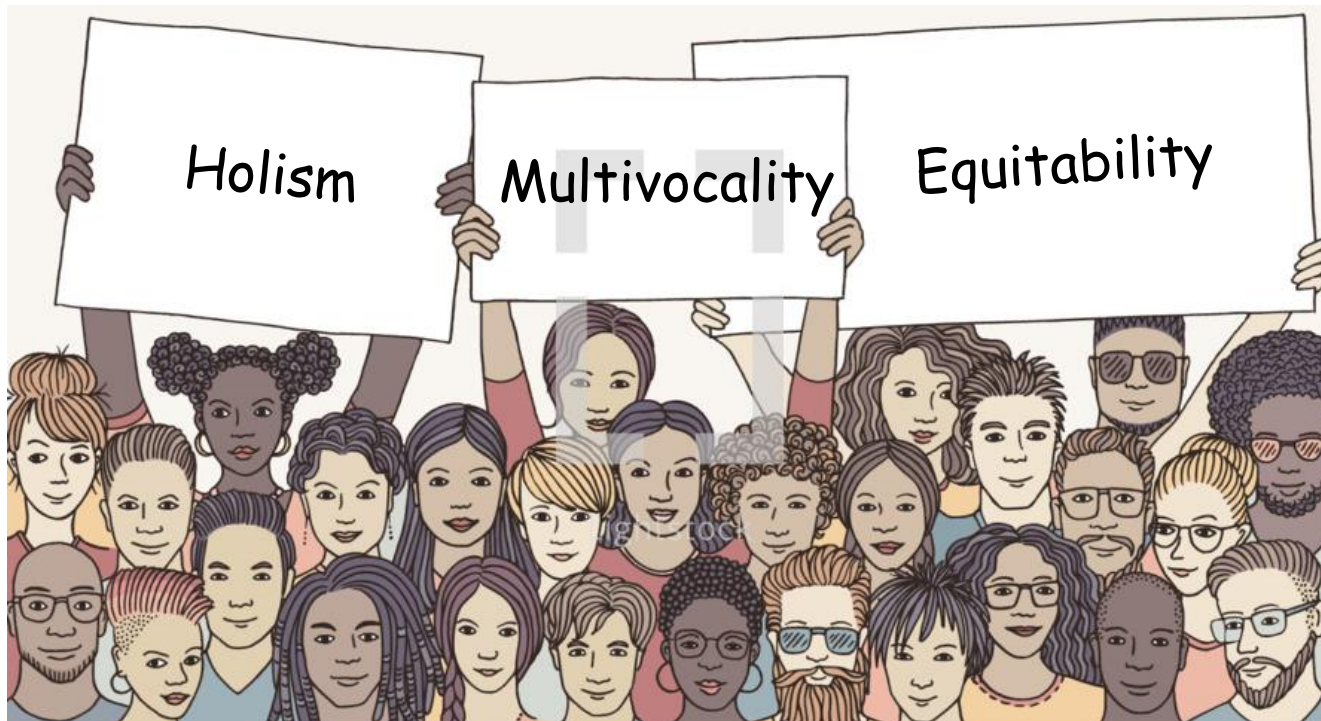




...promote the work of environmental justice by leveraging students' developing skills (in writing, conducting interviews, GIS, and research) and their privileged access to resources (such as time, computers, data, and scholarship) to facilitate community-identified agendas and efforts...

Critical EJ Consciousness

a perspective and awareness that give consistent attention to histories of inequality and processes of marginalization that produce environmental injustice



Participatory Action Research for Brownfields Redevelopment

Brownfields-PAR is an approach to learning about human and environmental health disparities that brings together researchers and residents who work together:

- to identify brownfields and related redevelopment challenges in the community
- to empower community members to be advocates for sustainable solutions to problems
- to improve human and environmental health in the community and promote equitable development



What is Brownfields-PAR all about?

Brownfields-PAR emphasizes collaboration between university researchers and community members where:

- community members are partners in the research and redevelopment process, not subjects of those processes
- research and redevelopment focus on questions and issues that the community identifies as important to investigate
- the ultimate goal is meaningful change in the community
- community members are empowered through participation in social action



How does Brownfields-PAR work?



Phase I: Problem Identification

PhotoVoice > Freelisting > Pile-sorting > Exhibition > Focus Group



Phase I: Problem Identification

PhotoVoice > Freelisting > Pile-sorting > Exhibition > Focus Group



Phase I: Problem Identification

PhotoVoice > Freelisting > **Pile-sorting > Exhibition > Focus Group**



Phase I: Problem Identification

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Phase I: Problem Identification

PhotoVoice > Freelisting > Pile-sorting > Exhibition > Focus Group



Phase II: Precision Intervention


Inventory > Ground-truthing > Kobo Survey > Community Workshop



Phase II: Precision Intervention

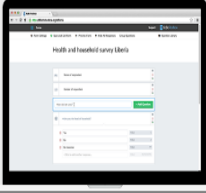
Inventory > Ground-truthing > **Kobo Survey** > Community Workshop



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kobotoolbox.org

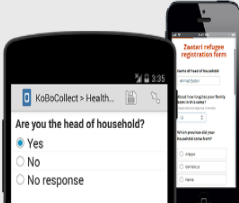
FEATURES



BUILD FORMS AND REUSE EXISTING QUESTIONS

Easily create survey forms through our intuitive and powerful tool. Store recurring questions in your library or share them with colleagues.

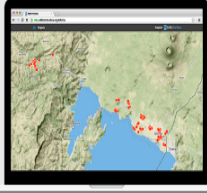
[read more](#)



COLLECT DATA

Quickly and reliably collect your survey data on Android, iOS, and many other devices, online or offline, in any language and with complex skip logic.

[read more](#)



ANALYZE AND MANAGE DATA

Inspect your data moments after it was collected - or download it for advanced analysis in other software in Excel, CSV, KML, and other formats.

[read more](#)

Phase II: Precision Intervention

Inventory > Ground-truthing > Kobo Survey > Community Workshop





University Area
HARVEST
HOPE PARK

News Channel

USF News > USF Awarded EPA Grant to Help University Community

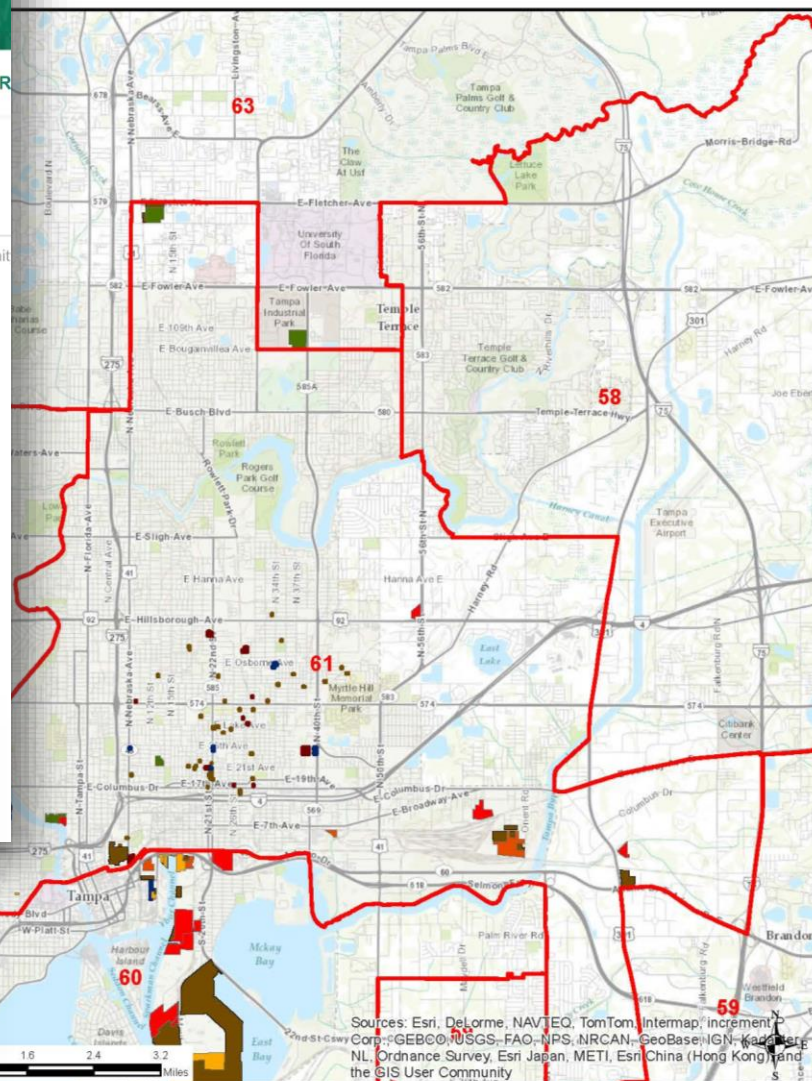
USF Awarded EPA Grant to Help University Community Area Plan New Uses for Former Brownfield Sites

USF was one of 19 institutions and municipalities – and the only recipient in Florida – awarded the EPA grants this year to engage the community and conduct planning activities for cleanup and re-use of brownfield sites.

The University of South Florida received a portion of \$3.8 million in U.S. Environmental Protection Agency funding announced Jan. 5 to help communities plan new uses for former brownfield sites – land contaminated with hazardous waste or pollutants, or perceived to be so.

USF received a \$200,000 grant to work with the University Area Community Development Corporation (UACDC) and other organizations to create a strategic plan for addressing environmental pollution and redevelopment challenges in the University Area Community (UAC).

USF was
engage
Brownfi



Legend

Brownfield Sites (FDEP)
 Unknown
 Awaiting Cleanup
 Active
 Completed

Brownfield Areas (FDEP)
 Brownfield Areas (FDEP)

East Tampa Sites
 PHASE I - NFA
 PHASE II
 PHASE II REC



ABANDONED PROPERTIES NEAR USF HURTING DEVELOPMENT
NEW EFFORTS TO 'FIGHT THE BLIGHT'

University Area Community Tampa, Florida



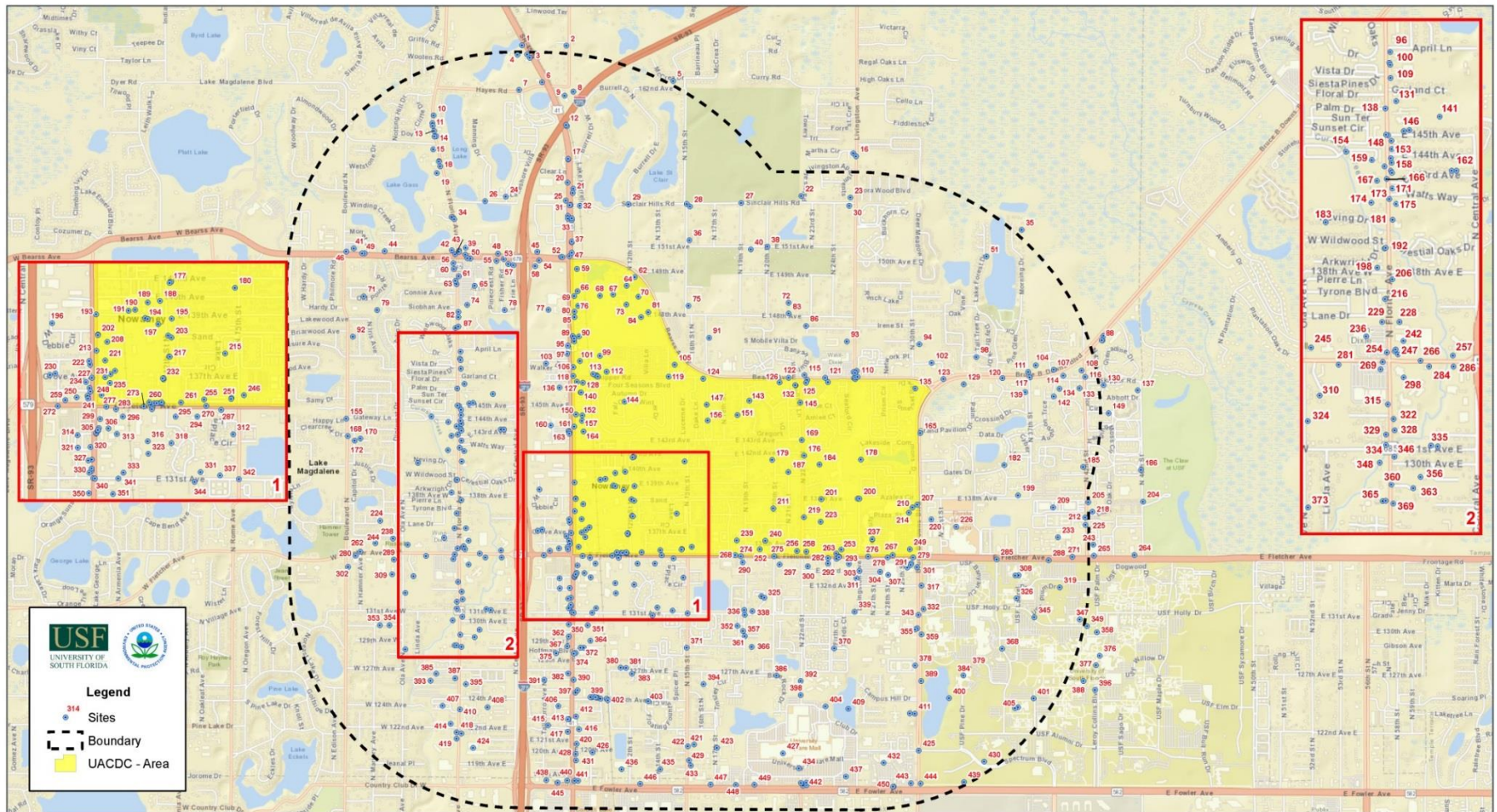
University Area Community Tampa, Florida

Characteristic	UAC ^{1,2,3,4}	City ^{2,4}	County ^{2,4}	State ^{2,4}	Nation ^{2,4,5}
Population	10,532	351,006	1,229,226	18,991,634	314,107,084
Per Capita Median Income	\$12,230	\$25,513	\$27,062	\$25,187	\$53,482
Percent Minority	74%	40%	29%	26%	37%
African American	33%	27%	25%	16%	12%
Hispanic	39%	24%	29%	23%	16%
Age ≥65	8%	11%	12%	19%	7%
Age ≤17	35%	24%	24%	21%	24%
Unemployment	16%	11%	9%	11%	5%
Poverty Rate	58%	15%	18%	10%	16%
No HS Diploma	32%	9%	14%	14%	15%
No Vehicle	22%	11%	7%	7%	9%
Renter Occupied Housing	89%	42%	35%	27%	31%

¹EPA EJScreen ACS Tool; ²U.S. Census 2010; ³FL Environmental Screening Tool (www.fl-etat.org/est); ⁴2010-2014 American Community Survey; ⁵2016 Bureau of Labor Statistics



Environmental Inventory



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0 2,100 4,200 Feet
0 640 1,280 Meters

University Area Community
Brownfields Environmental Inventory

ALLSITES



380 Park Place Boulevard, Suite 300, Clearwater, FL 33759 USA
Phone (+1) 727.531.3505 Fax (+1) 727.539.1294
www.cardno.com

Toxic Tours







University Area Harvest Hope Park

Web Page: uacleanup.com



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Brownfields Area-Wide Plan for the University Area Community

[ABOUT THE PROJECT](#)

University Area Harvest Hope Park Online Discovery Tool

Harvest Hope Center

Open Data Explorer

About Harvest Hope

Harvest Hope Park sits in the heart of the University Area community, on 7 acres of land where development plans are underway to build a friendly space for residents that encourages family play, healthy eating, environmental sustainability, education and community interactions. The park will consist of a community garden, harvest hope teaching kitchen, sports field, playground, walking trail and tilapia fish pond. For more information about Harvest Hope Park along with other community projects and events,



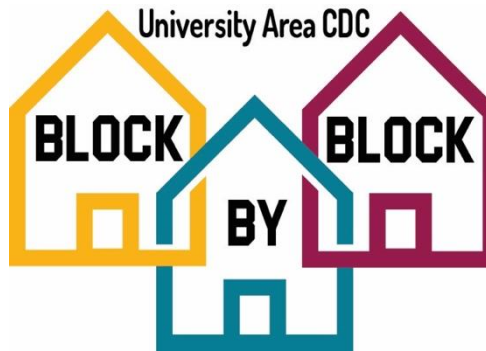
<http://hhcusf-usfaist.opendata.arcgis.com>

PROJECT ACTIVITIES

Environmental Inventory
Economic Market Analysis
Rapid Health Assessment
Social Impact Assessment
Needs-based Assessment
GIS for Redevelopment Planning
Community Outreach
Community Design Charrette
Community Advisory Board
Key-informant interviews
Strategic Communication & Marketing



University Area Community Brownfields Area-Wide Plan





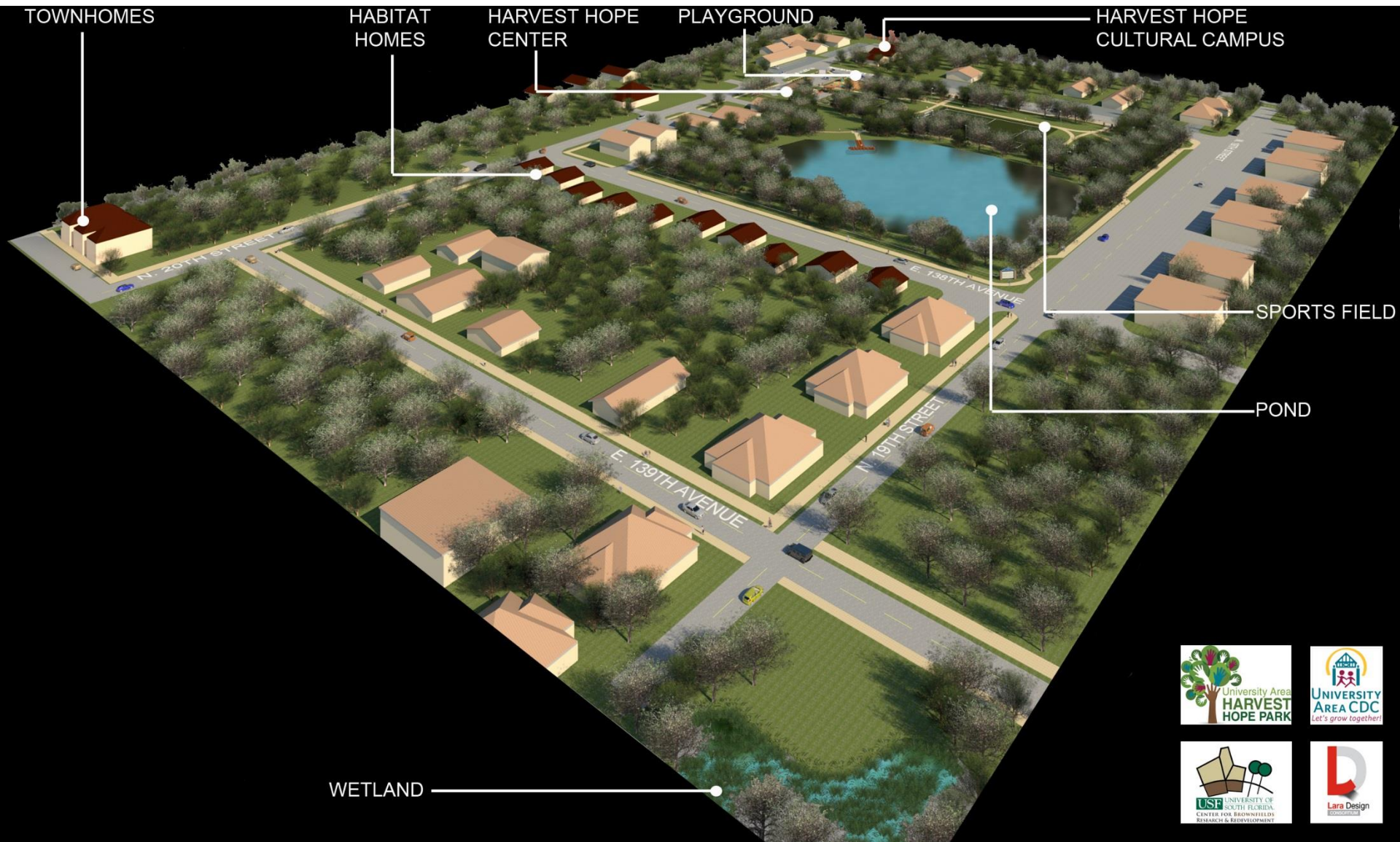
Place-Making in the University Area Community

VISION: Harvest Hope Park



Place-Making in the University Area Community

VISION: Harvest Hope Housing



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What's NEXT?

LEGEND

Crushed shell path or other aggregate to balance accessibility, permeability, and cost

Existing bahia lawn; infill sod as needed

Mulch area; keep fallen leaves as mulch

Existing Tree & Canopy

KEY NOTES

- ① Promenade
- ② Community Garden with raised beds & potable irrigation
- ③ Picket Fence
- ④ Garden Storage Shed
- ⑤ Market Tents & Trucks (temporary)
- ⑥ Bike Racks & Repair Station on Concrete Pad
- ⑦ Programmed Seating
- ⑧ Additional Programmable Space
- ⑨ Painted Storage Container
- ⑩ Portable Toilets (as needed for events)
- ⑪ Lockable Dumpster
- ⑫ Service Yard & Vendor Parking
- ⑬ Sabal Palms
- ⑭ Reconfigured Accessible Ramp & Sidewalk
- ⑮ Existing Electrical Equipment
- ⑯ Existing Building
- ⑰ Truck Turnaround Area
- ⑱ Wood Bollard for Access Control & Tree Protection



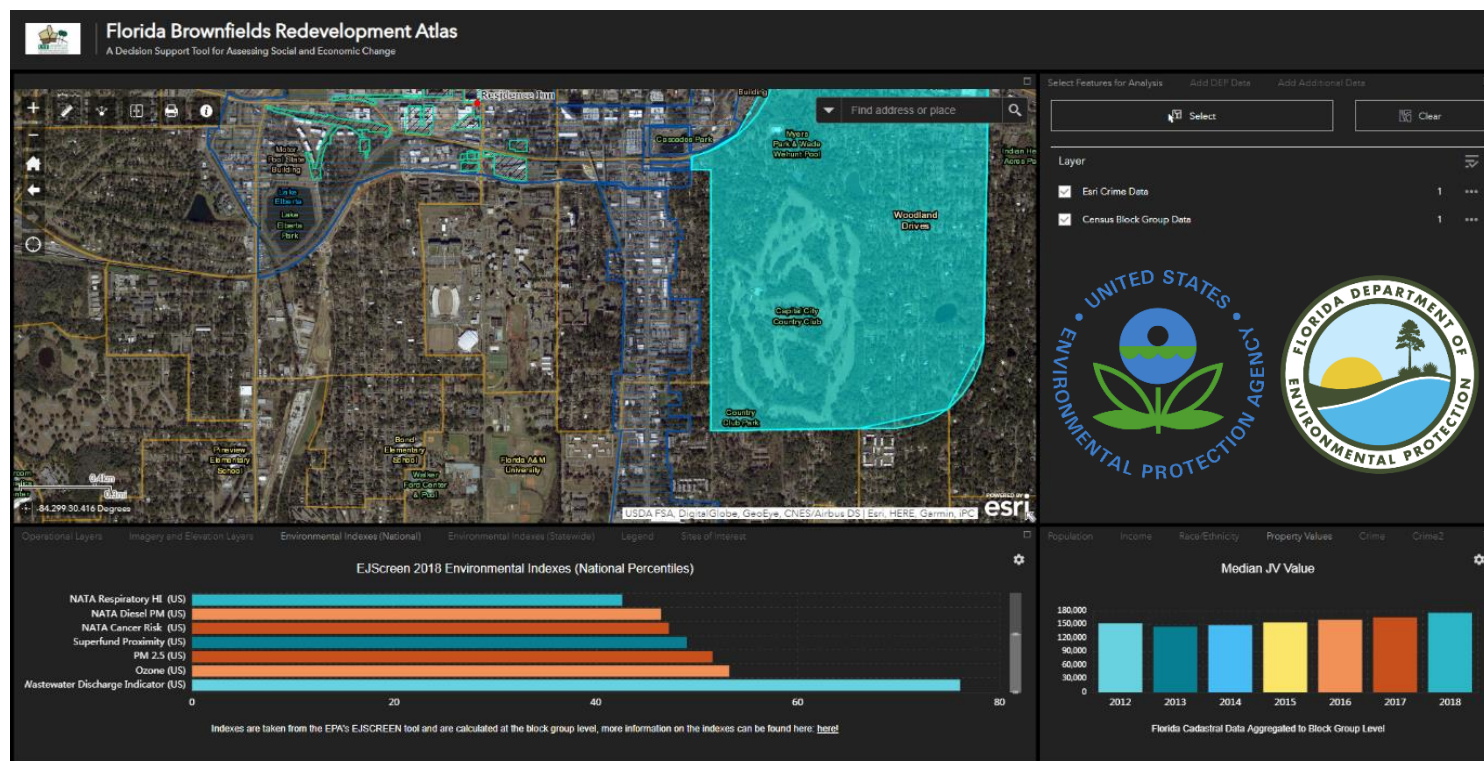
22nd Street Market & Garden

Conceptual Site Diagram, May 2018

Florida Brownfields Redevelopment Atlas

An Online Decision Support Tool for Florida's Brownfields Communities

usf.edu/brownfields



The Florida Brownfields Redevelopment Atlas is an online discovery tool that allows researchers to explore, summarize, and extract various types of environmental and socioeconomic data, with an emphasis on change over time, at the census block group level for the entire state of Florida.

THANK YOU!!!



Hillsborough
County Florida



BGW Associates, LLC

Christian Wells
ecwells@usf.edu