A close-up photograph of a cluster of small, pinkish-purple mushrooms with conical caps and thin stems, growing from a piece of dark, textured wood. The background is blurred, showing green foliage and a wooden fence.

Vacant Toxin Eaters

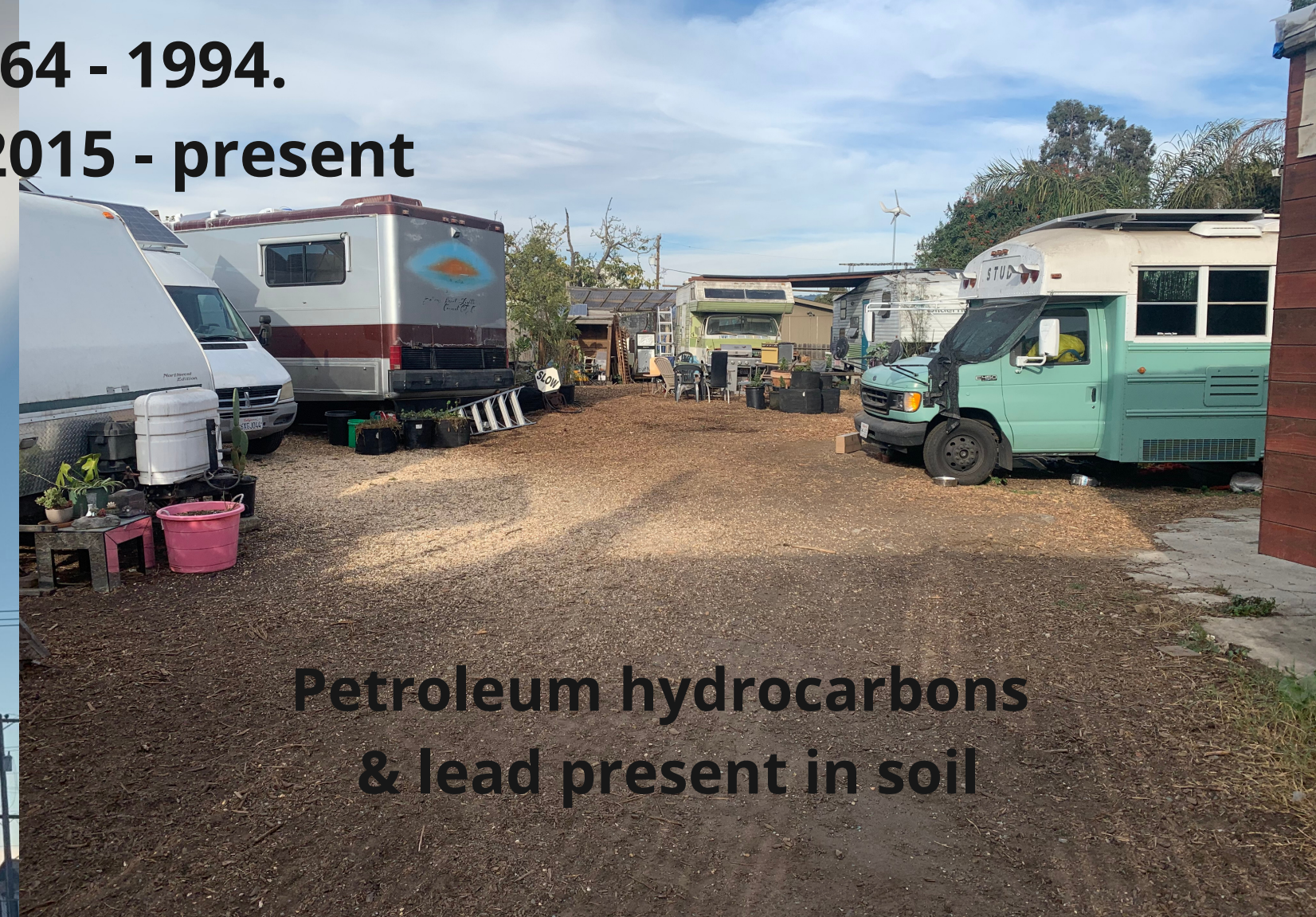
Tiny House Mycoremediation



wilderness

Jenkins Junkyard from 1964 - 1994.

Tiny Home Community from 2015 - present



Petroleum hydrocarbons
& lead present in soil

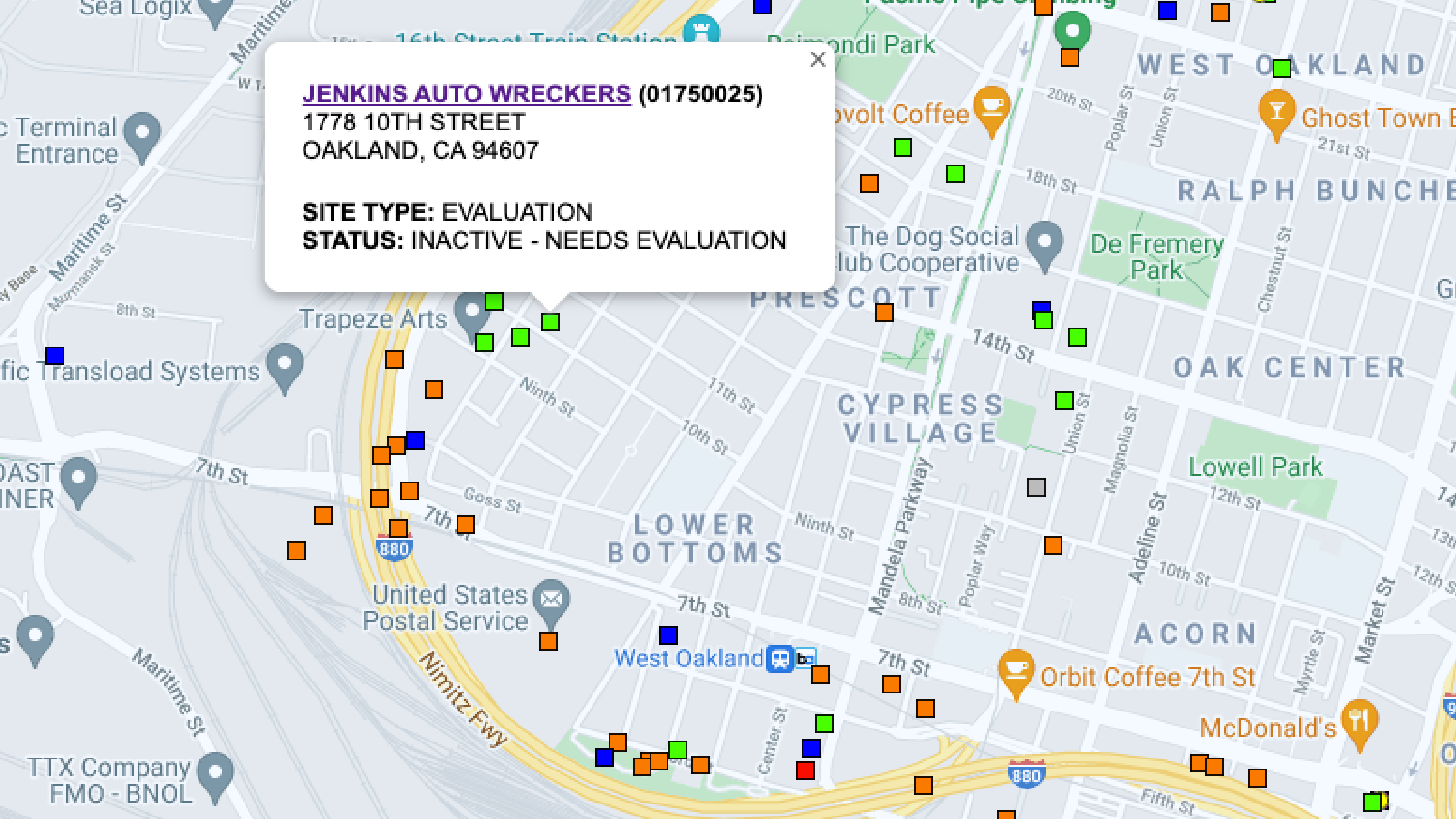


JENKINS AUTO WRECKERS (01750025)

1778 10TH STREET
OAKLAND, CA 94607

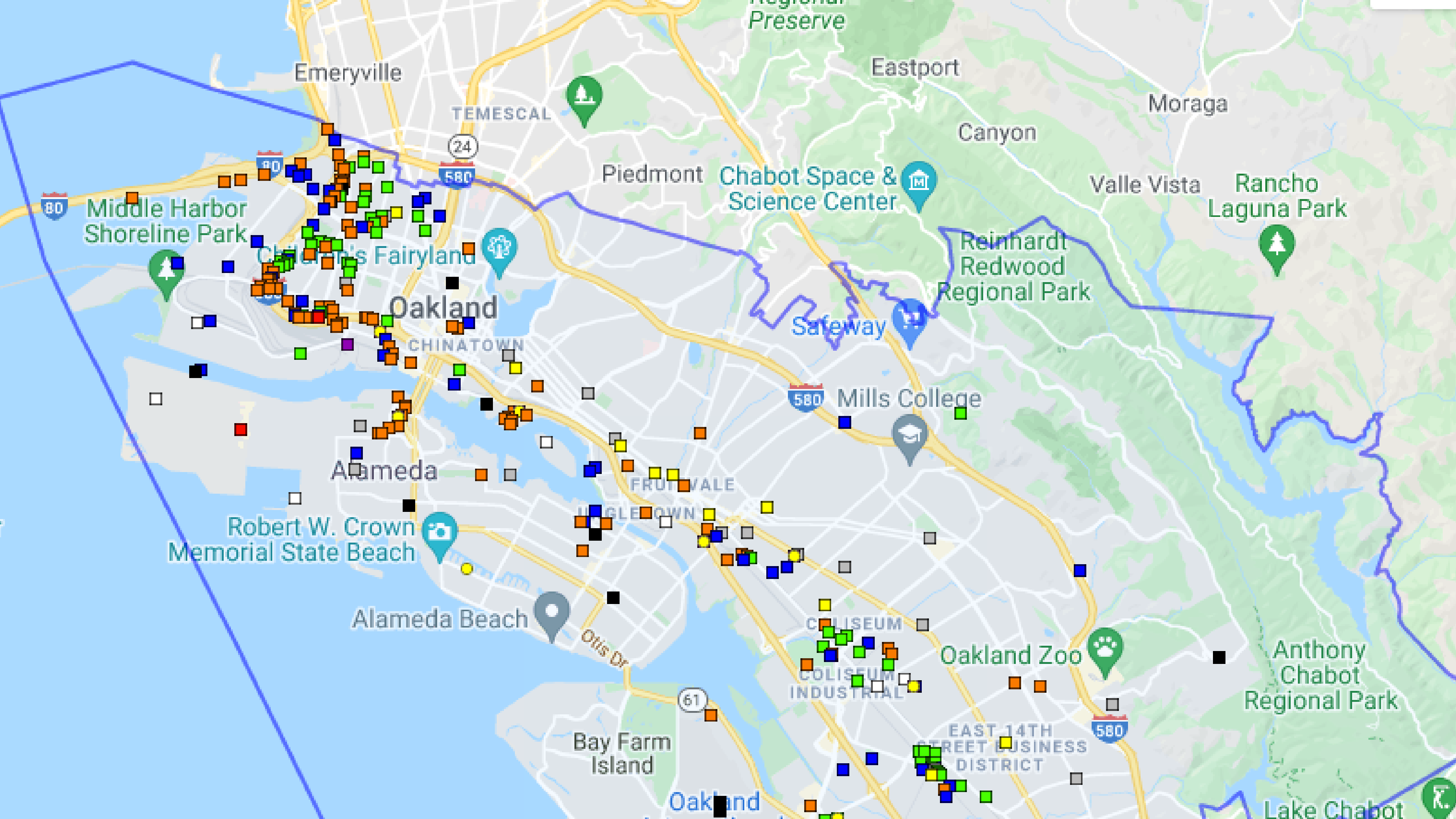
SITE TYPE: EVALUATION

STATUS: INACTIVE - NEEDS EVALUATION











SOMEONE ELSE'S
PROBLEM

U.S. ARMY
OAKLAND PORT
OF EMBARKATION

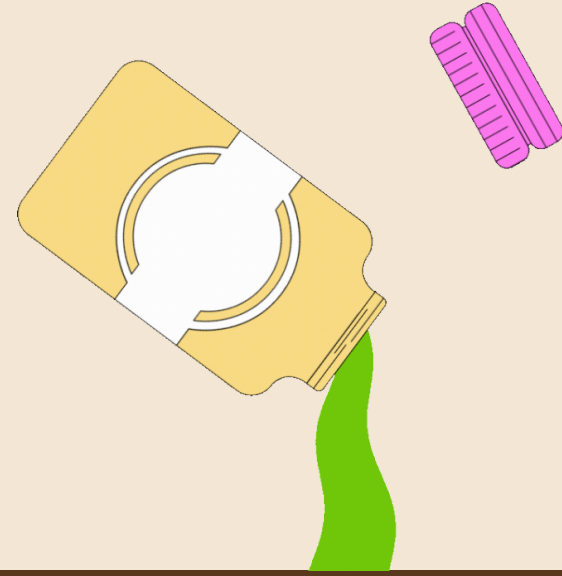
**Pre-existing
soil-based
fungus
break down
80% of toxins
in one month**

Lauren Czaplicki
@ 2019 Telluride Mushroom Festival



Soil Mycoremediation: A New, Native-Fungi Approach (2019)

**Add Chitin (bug shells)
& Add water**

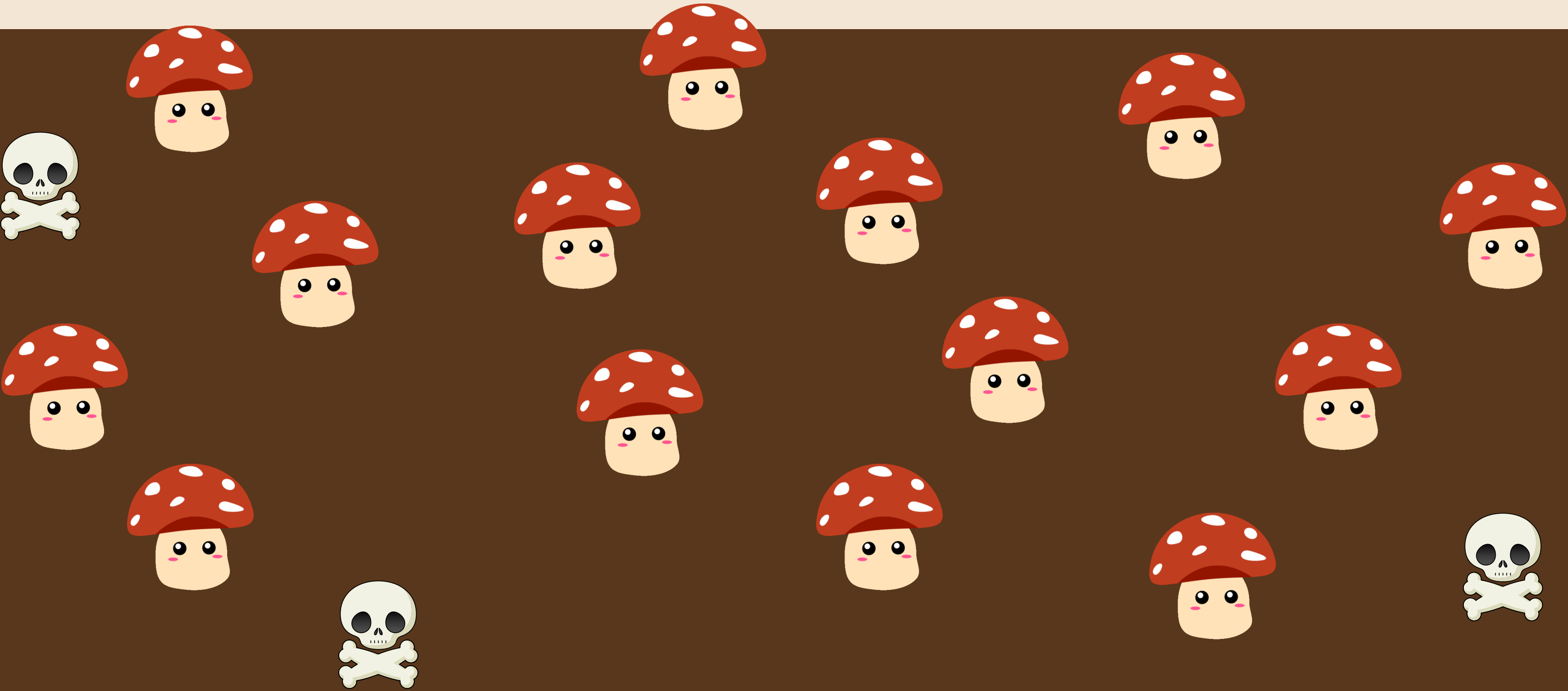


FEED SOIL BASED FUNGUS



One Month Later

80% reduction in toxins



6 Month Pilot Project

Budget \$25,000

1. Plan
2. Test Fungal & Pollutants
3. 3-month Treatment
4. Test for shifts in Fungal & Pollutant

1. Testing - \$8k
2. Treatment - \$500
3. Stipend & Consultant - \$12k
4. Admin & Contingency- \$5k

CONTROL

CHITIN

CELLULOSE

NUTRIENT
SOLUTION





FUNDING

- Equitable Community Revitalization Grant- DTSC
- Environmental Justice Small Grants Program - EPA
- Oakland Brownfields Grants



DTSC

Department of Toxic
Substances Control

PARTNERS

sciencebydesign.io

Lauren Czaplicki

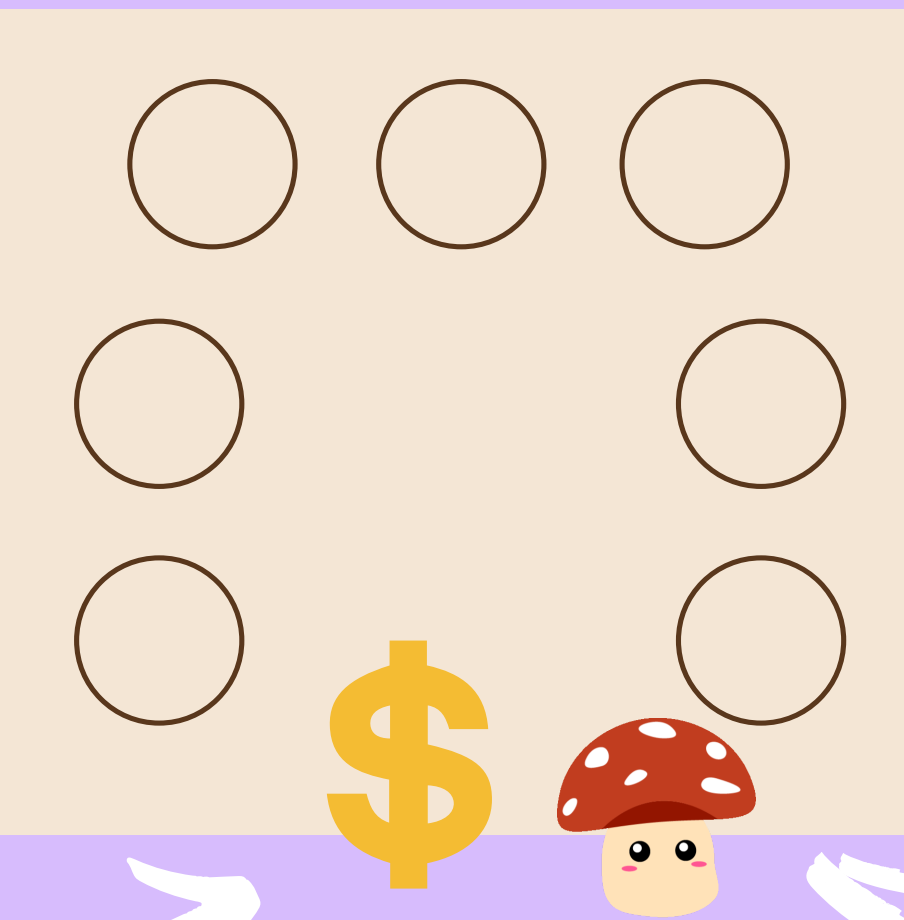
ThermoFisher
SCIENTIFIC

Berkeley
UNIVERSITY OF CALIFORNIA

How Tiny Homes Scale ON VACANT LOTS



DISABLED



LAND OWNER





FOR MORE INFO

Neighborhood.org