



Public Health Crisis in Nānākuli & Mā'ili

OPPOSE THE RELOCATION OF PVT LANDFILL TO REMAIN IN
NĀNĀKULI & MĀ'ILI

HAWAIIAN HOME LANDS COMMISSION PRESENTATION

DECEMBER 16, 2019

EDDIE WERNER, NĀNĀKULI HOMESTEADER & MAKANA PARIS,
PRINCE KŪHIŌ HAWAIIAN CIVIC CLUB

Overview

- ▶ Public Health Crisis in Nānākuli and Mā'ili
- ▶ Landfills are a Public Health Hazard
- ▶ PVT Landfill Sites next to Hawaiian Home Lands
- ▶ Legal Right to a Clean and Healthy Environment
- ▶ PVT Landfills are Environmental Racism against Native Hawaiians
- ▶ Alternate Landfill Sites Studies Exists and Nānākuli and Mā'ili are not Recommended
- ▶ Stop Environmental Racism: No more Landfills in Council District 1 (Leeward Coast)
- ▶ Recommendations



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Life Expectancies

Census tracks surrounding PVT Landfills including Nānākuli & Princess Kahanu Homesteads: **~72 yrs.**
 HI Average: **~82 yrs.**
A 10 year loss

CDC/US Department of Health

National Vital Statistics System

U.S. Small-area Life Expectancy Estimates Project - USALEEP

usaleep Neighborhood Life Expectancy Project

Figure 1-1



“ “...the landfill is not good
for our people...”

DOLLY NAIWI, NĀNĀKULI HIGH SCHOOL EDUCATOR, HOMESTEADER, FORMER
PRESIDENT OF NĀNĀIKAPONO HAWAIIAN CIVIC CLUB

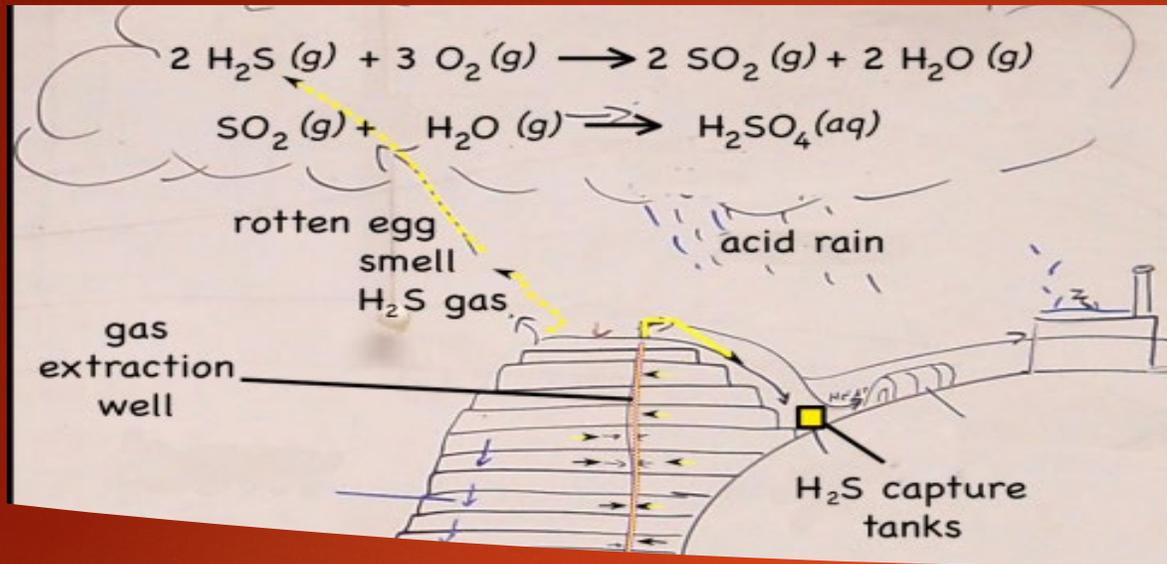
BORN 1949, DECEASED 2019 AT AGE 70

DEPARTMENT OF HEALTH HEARING, DRAFT PERMIT RENEWAL AND MODIFICATION PVT LAND COMPANY
INTEGRATED SOLID WASTE MANAGEMENT, WAIANAE, OAHU, SEPTEMBER 2, 2010

We affirm the hundreds of kama‘āina testimony presented since the 1980s -- at Neighborhood Board meetings, City and County of Honolulu landfill site selection meetings, State Land Use Commission hearings, Department of Health hearings, and community gatherings at churches and other locations -- voicing concerns over the adverse health impacts of living and working in close proximity to landfills in general and the operations and plans of PVT Land Company, Ltd. (PVT) in specific.

Health Risks 1-4 miles from Landfills

- ▶ Adverse pregnancy outcomes
- ▶ Increase infant low birth weights
- ▶ Increases in the risk of birth defects
- ▶ Headaches
- ▶ Sleepiness
- ▶ Respiratory problems
- ▶ Central nervous system problems
- ▶ Psychological conditions
- ▶ Gastrointestinal issues
- ▶ *Health effects of residence near hazardous waste landfill sites: a review of epidemiologic literature, Environmental Health Perspectives, 2000; Health effects associated with the disposal of solid waste in landfills and incinerators in populations living in surrounding areas: a systematic review, The International Journal of Public Health, 2013*



▶ Landfills w/ Gypsum Drywall Produce Hydrogen Sulfide

- ▶ Tolaymat, T. & D. Carson. Best Management Practices to Prevent and Control Hydrogen Sulfide and Reduced Sulfur Compound Emissions at Landfills That Dispose of Gypsum Drywall. U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-14/039, 2015

▶ Hydrogen Sulfide Exposure Causes

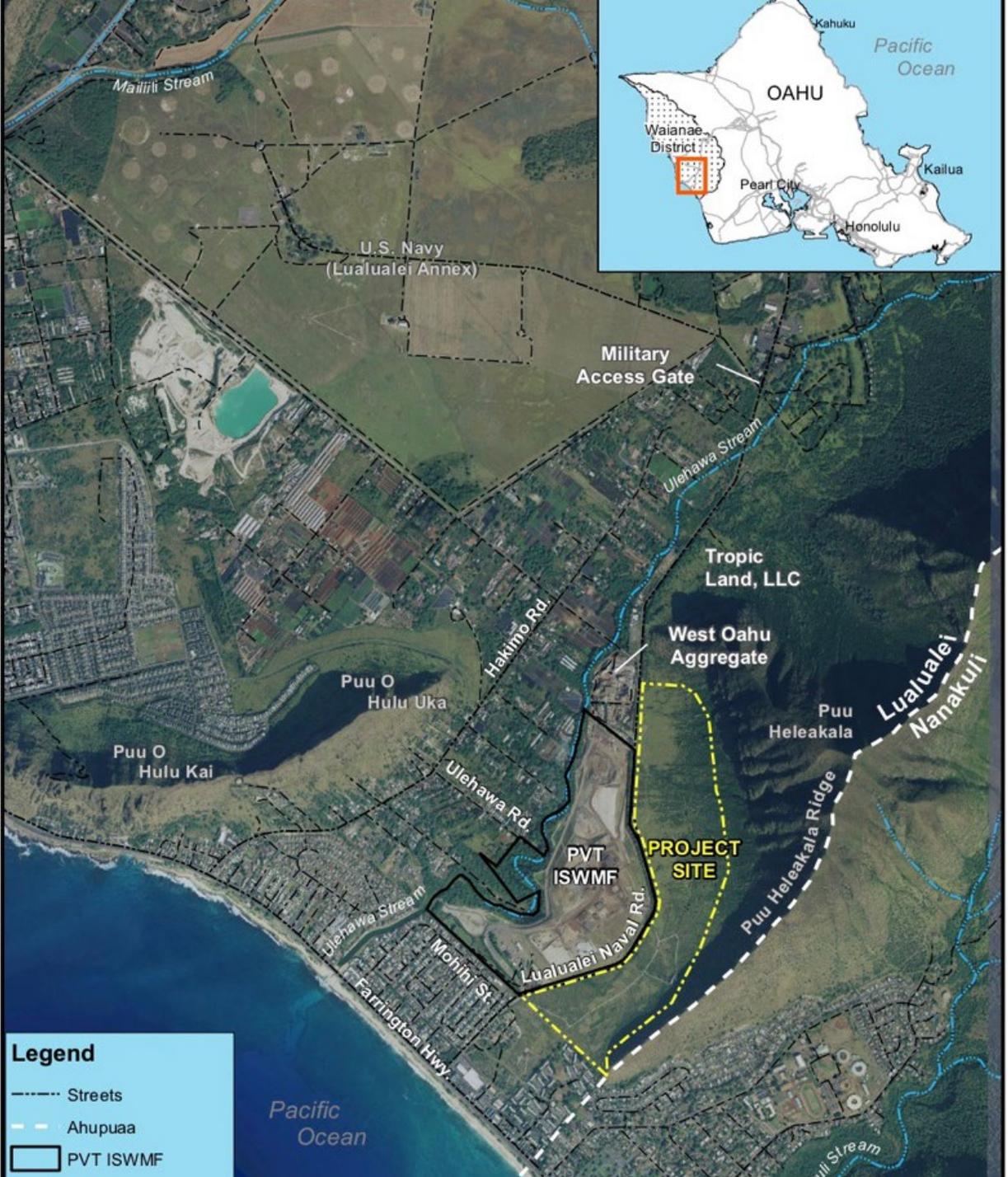
- ▶ Lung Cancer
- ▶ Respiratory Illnesses
- ▶ Respiratory Death
- ▶ *Morbidity and mortality of people who live close to municipal waste landfills: a multisite cohort study, International Journal of Epidemiology, 2016*

PVT Landfill Waste Overview

- ▶ **42%** of All Waste Generated on O‘ahu – **2,072,539** (2018) is construction and demolition waste and goes to a PVT Landfill
 - ▶ Letter to Prince Kuhio Hawaiian Civic Club, City and County of Honolulu, Department of Environmental Services, dated October 8, 2019
- ▶ **~80%** is recycled by PVT
 - ▶ PVT Integrated Solid Waste Management Facility Relocation Draft EIS, July 11, 2019
- ▶ The **~20%** not able to be recycled remains in the landfill including...
 - ▶ Asbestos
 - ▶ Contaminated Soils
 - ▶ AES Coal Ash
 - ▶ Gypsum > Hydrogen Sulfide Gas
 - ▶ PVT Integrated Solid Waste Management Facility Relocation Draft EIS, July 11, 2019

Landfills are Health Hazards

- ▶ “Leaks from the waste may contaminate soils and water streams, and produce air pollution through emissions of e.g. heavy metals and persistent organic pollutants (POPs), **ultimately creating health hazards.**” (emphasis added)
- ▶ *Waste and human health: Evidence and needs.* November 2015, Bonn, Germany, World Health Organization

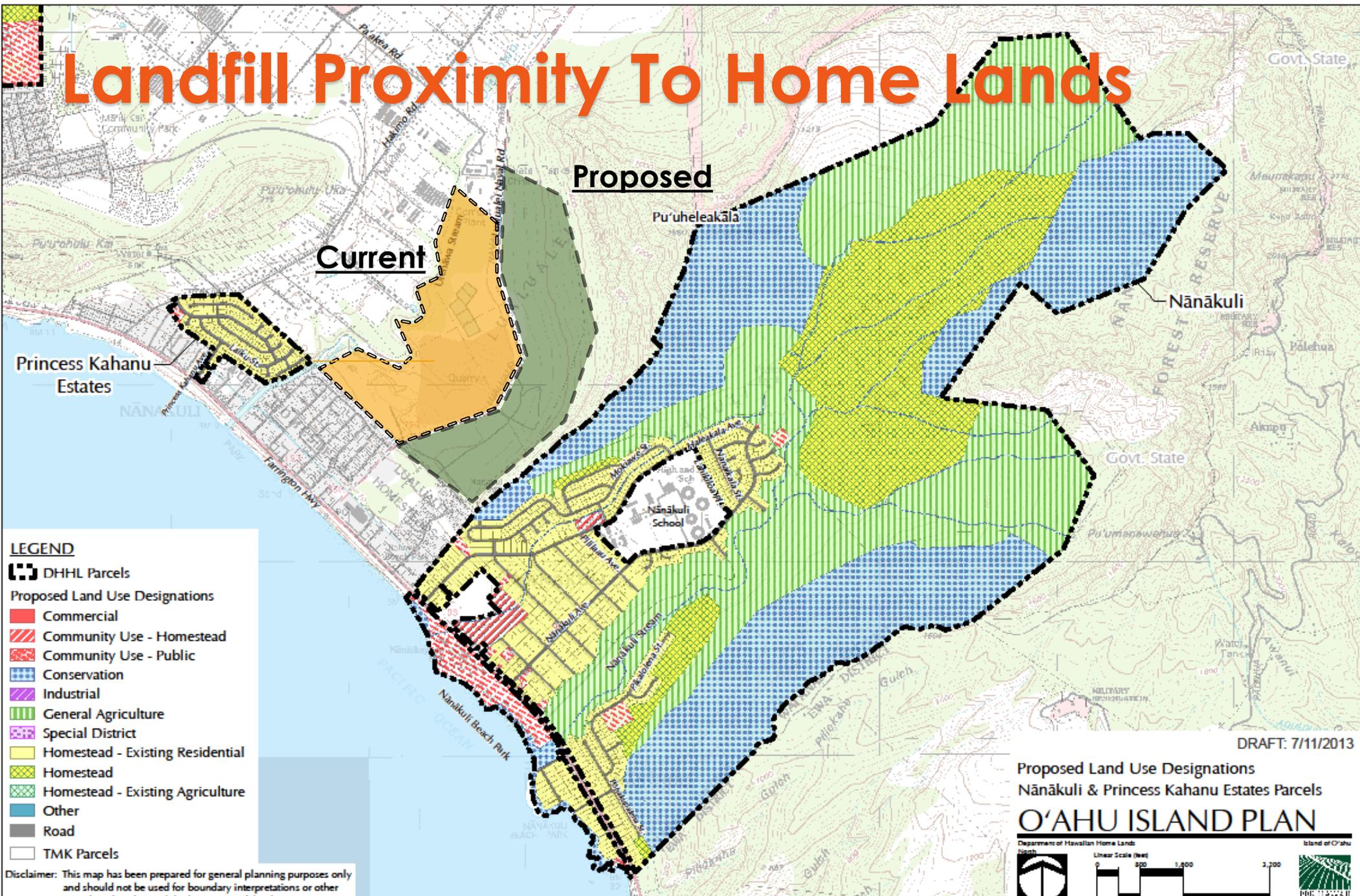


PVT Landfill Sites

- ▶ Current: 171 acres | Proposed: 179 acres
- ▶ **Within 2 miles...**
 - ▶ 18k people live work and play daily
 - ▶ 13k people (72%) are Native Hawaiians
- ▶ **Within 1 mile...**
 - ▶ Hundreds of Homes
 - ▶ Dozens of farms
 - ▶ Nānākuli Elementary, High and Intermediate
 - ▶ Nānāikapono Elementary
 - ▶ Ka Wai Hona Public Charter School
 - ▶ Kamehameha Schools pre-school
 - ▶ QLCC
 - ▶ Churches/Places of worship
 - ▶ Parks
 - ▶ Stores
 - ▶ Medical clinics
 - ▶ Kūpuna housing
- ▶ **Within ½ mile...**
 - ▶ Princess Kahanu Homestead
 - ▶ Nānākuli Homestead

Landfill Proximity To Home Lands

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Current

Proposed

LEGEND

- DHHL Parcels
- Proposed Land Use Designations
 - Commercial
 - Community Use - Homestead
 - Community Use - Public
 - Conservation
 - Industrial
 - General Agriculture
 - Special District
 - Homestead - Existing Residential
 - Homestead
 - Homestead - Existing Agriculture
 - Other
 - Road
 - TMK Parcels

Disclaimer: This map has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis beyond the limitations of the data.

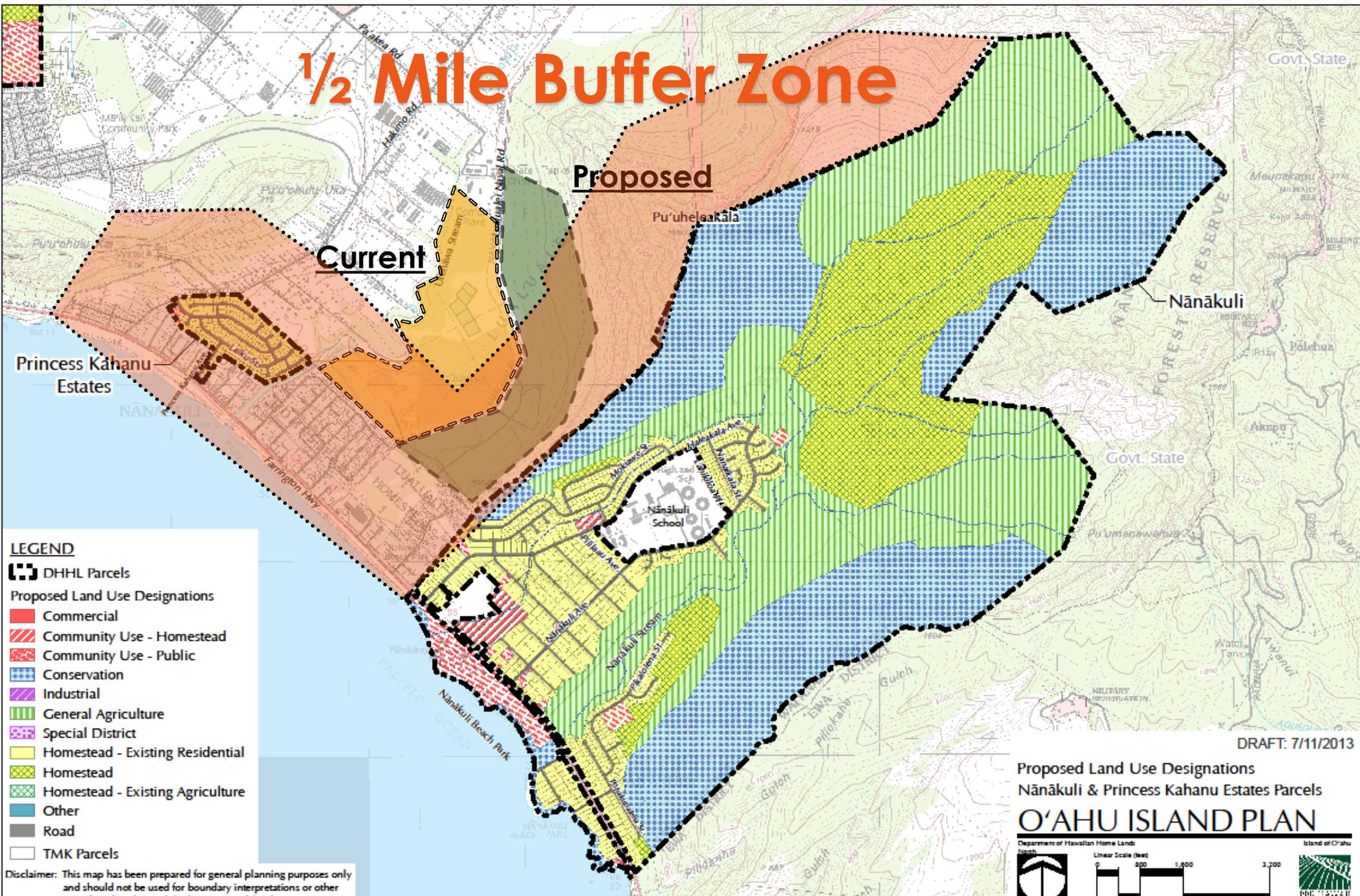
DRAFT: 7/11/2013

Proposed Land Use Designations
 Nānākuli & Princess Kahanu Estates Parcels
O'AHU ISLAND PLAN

Department of Hawaiian Home Lands
 Island of O'ahu
 North

1/2 Mile Buffer Zone

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Proposed Land Use Designations
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O'AHU ISLAND PLAN

Department of Hawaiian Home Lands
 Island of O'ahu



“ ...right to a clean and
healthful environment...”

”

HAWAII STATE CONSTITUTION ARTICLE XI, SECTION 9

Section 9. Each person has the right to a clean and healthful environment, as defined by laws relating to environmental quality, including control of pollution and conservation, protection and enhancement of natural resources. Any person may enforce this right against any party, public or private, through appropriate legal proceedings, subject to reasonable limitations and regulation as provided by law.

Environmental Racism

- ▶ “Where [a] policy, practice, or directive differentially affects or disadvantages (whether intended or unintended) individuals, groups, or communities based on race or color”
- ▶ Robert D. Bullard, *Natural Resources & Environment* Vol. 7, No. 3, Facility Siting (Winter 1993), pp. 23-26, 55-56

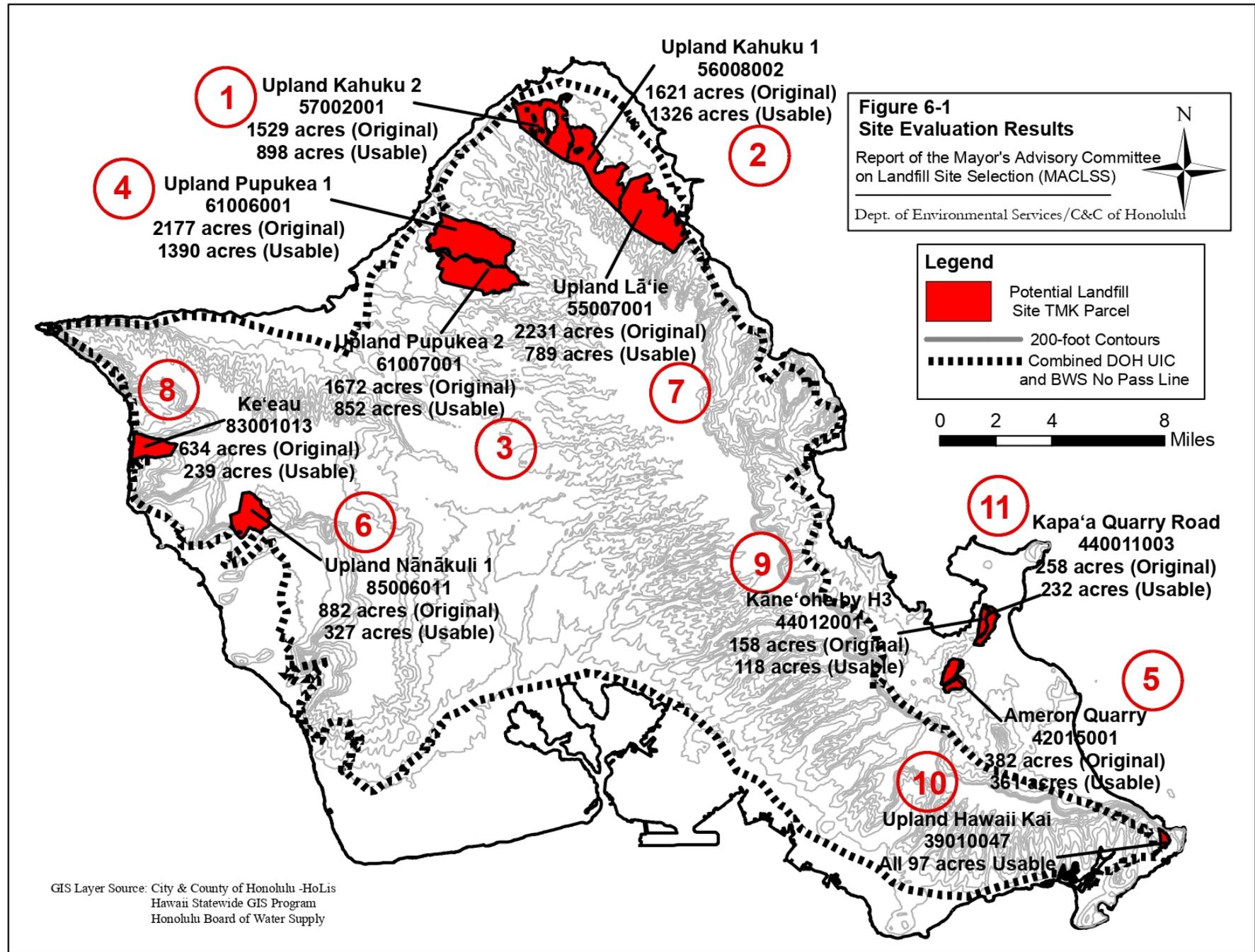
Environmental Justice

- ▶ State definition of environmental justice “...is the right of every person in Hawai‘i to live in a clean and healthy environment, to be treated fairly, and to have meaningful involvement in decisions that affect their environment and health; with an emphasis on the responsibility of every person in Hawai‘i to uphold traditional and customary Native Hawaiian practices that preserve, protect, and restore the ‘āina for present and future generations. Environmental justice in Hawai‘i recognizes that no one segment of the population or geographic area should be disproportionately burdened with environmental and/or health impacts resulting from development, construction, operations and/or use of natural resources”
- ▶ Hawai‘i Environmental Justice Initiative Report, 2008

Alternate Sites Exists

The report took into account landfill sites to include both both municipal solid waste and construction and demolition waste.

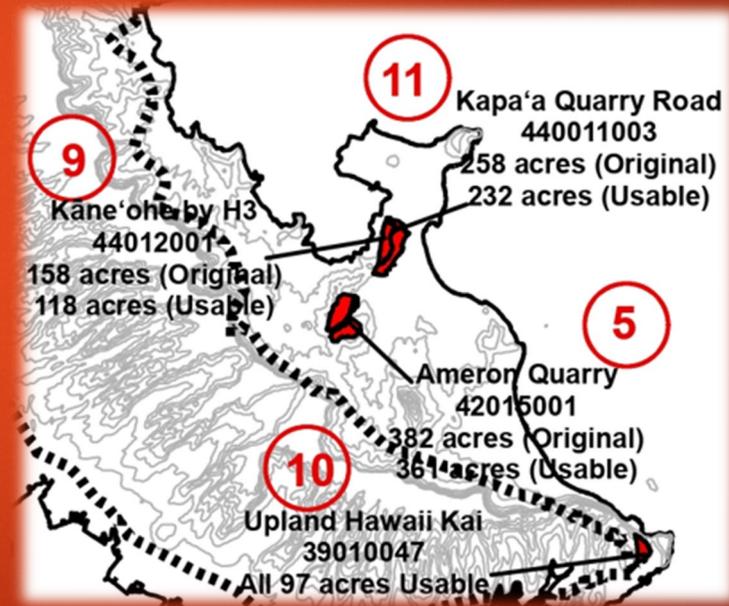
9 Community members; 6 Consultants; Multiple community hearings



Preferred Sites Given O‘ahu Aquifers

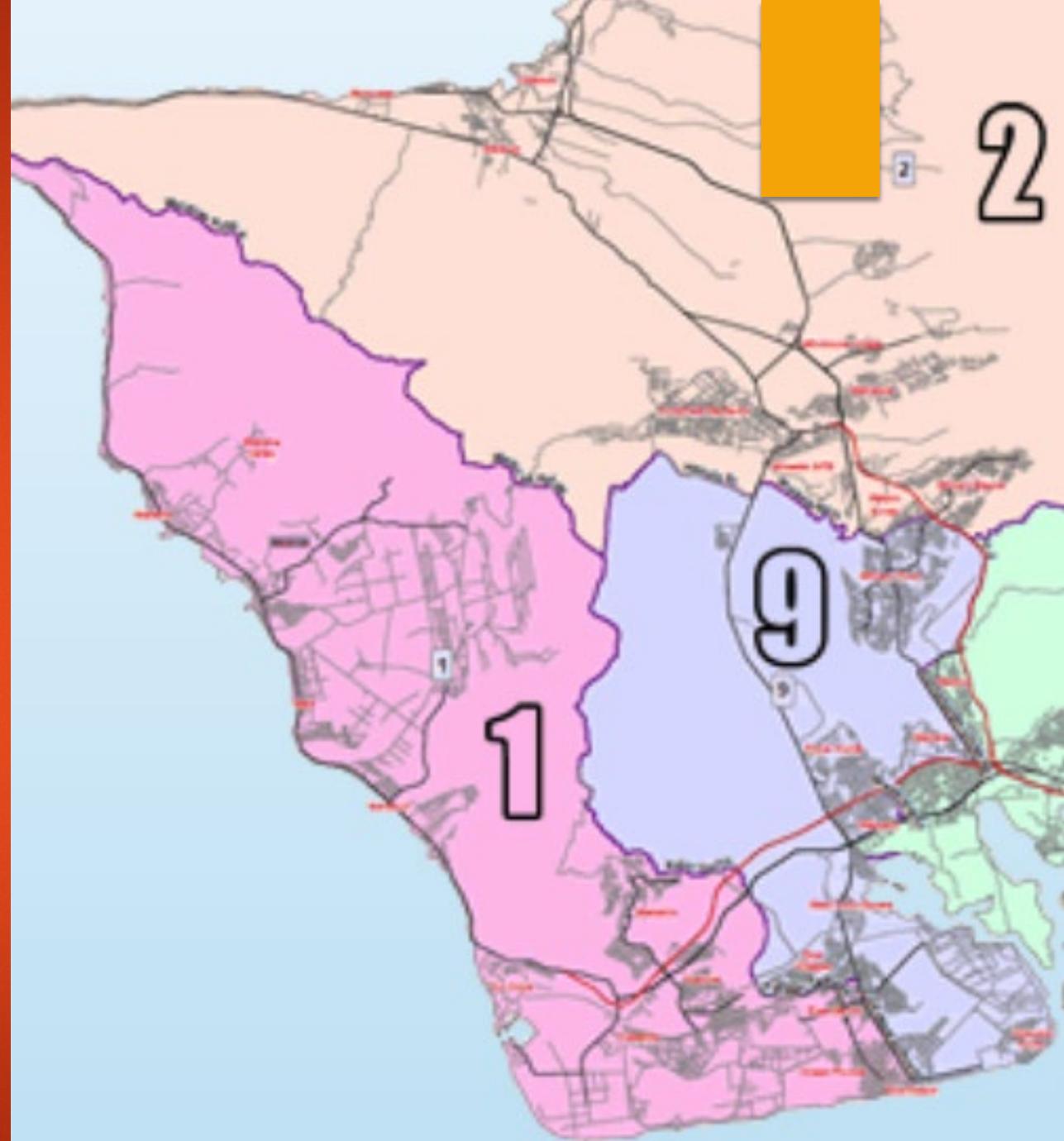
- Sites that do not violate the Board of Water Supply “No Pass Zone” or violate the State Underground Injection Control “No Pass Line” used to protect drinking water aquifers include:

1. **Ameron Quarry** (42015001)
2. **Kāne‘ohe by H3** (44012001)
3. **Kapa‘a Quarry Road** (440011003)
4. **Upland Hawai‘i Kai** (39010047)



No More Landfills in Council District 1

- ▶ Council District 1 takes nearly 100% of All Solid Waste on O'ahu
 - ▶ Municipal Solid Waste: Waimanalo Gulch Sanitary Landfill
 - ▶ Construction & Demolition: PVT Landfill
- ▶ Council District 1 has the highest concentration of Native Hawaiians in the world
- ▶ Stop Environmental Racism: No more landfills in Council District 1
 - ▶ No landfill at Kea'au, Upland Nānākuli, and other potential sites in Lualualei including Pacific Aggregate



Recommendations

1. Oppose the proposed relocation of PVT Landfill in Nānākuli & Mā'ili
2. Oppose the creation of any landfill within ½ mile of Hawaiian Home Lands
3. Support legislation that creates minimum buffer zones of ½ mile between landfills and residences

Mahalo

Eddie Werner, Nānākuli Homesteader & Makana
Paris, President Prince Kūhiō Hawaiian Civic Club

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