Updating the 2015 Statewide Agricultural Land Use Baseline

Ryan Perroy & Eszter Collier
University of Hawai'i at Hilo, HI





Funding provided by the Hawaii Department of Agriculture

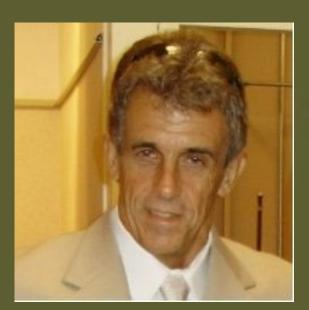




STATEWIDE AGRICULTURAL LAND USE BASELINE 2015

Prepared for

HAWAI'I DEPARTMENT OF AGRICULTURE

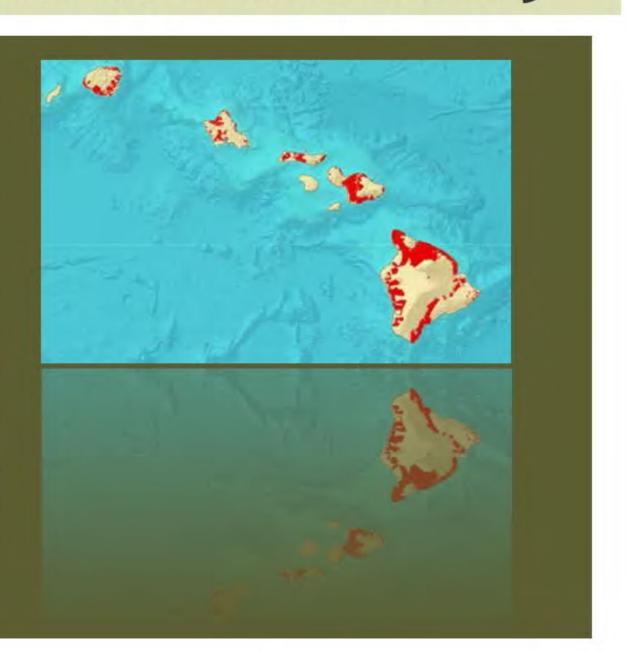


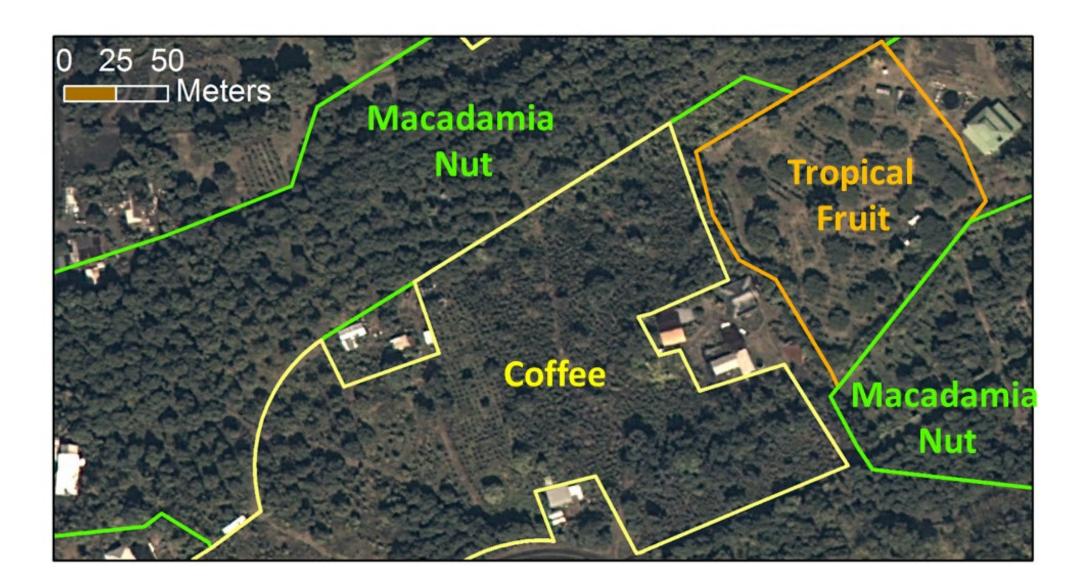
1951-2017

Prepared by

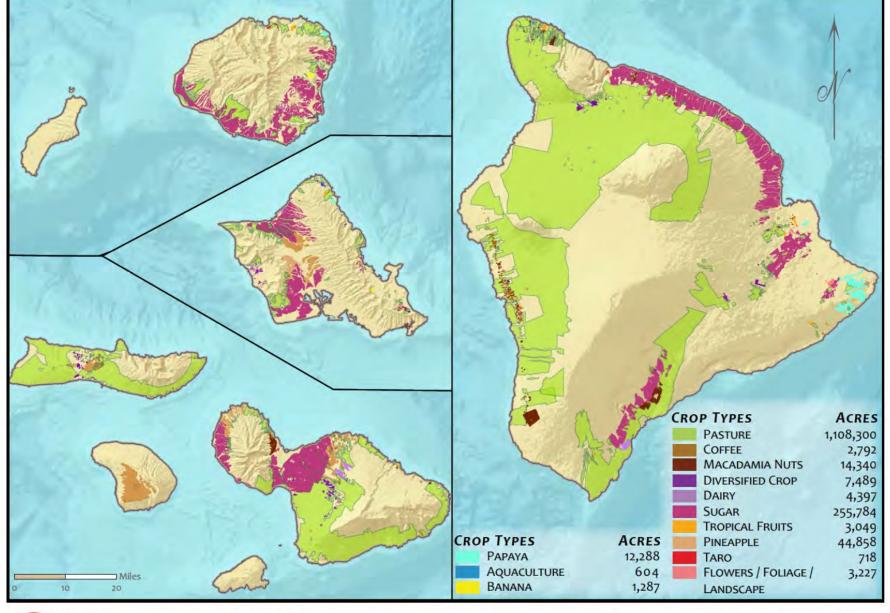
University of Hawai'i at Hilo Spatial Data Analysis & Visualization Research Lab

> Jeffrey Melrose MURP Ryan Perroy PhD Sylvana Cares MA





1980



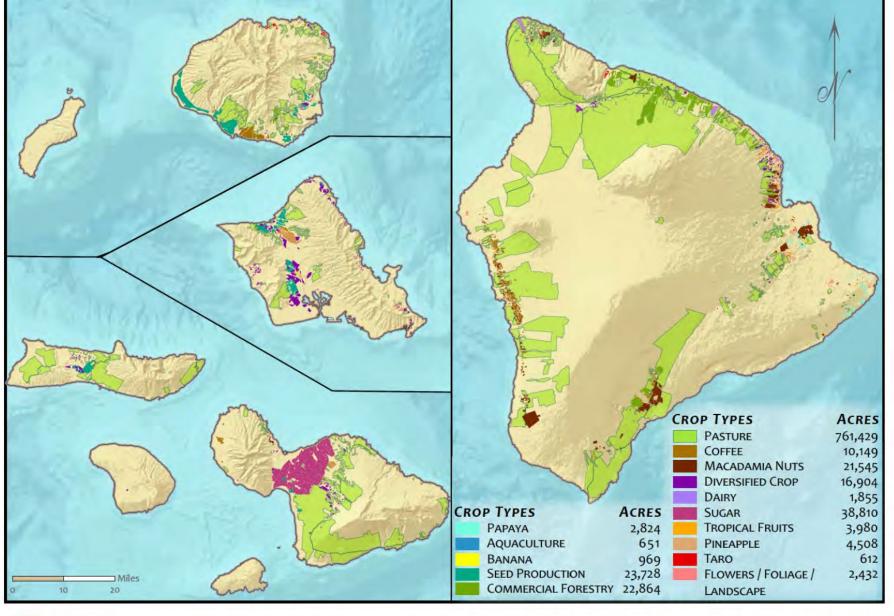


SDAV





2015

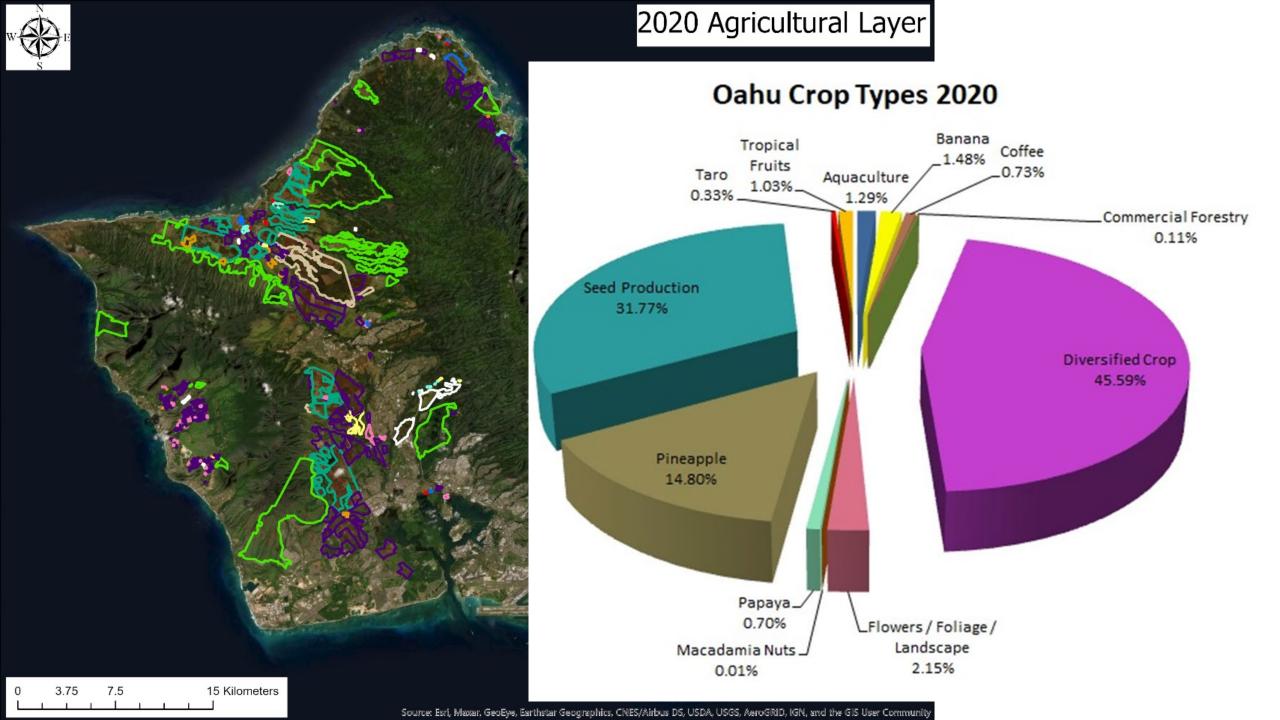






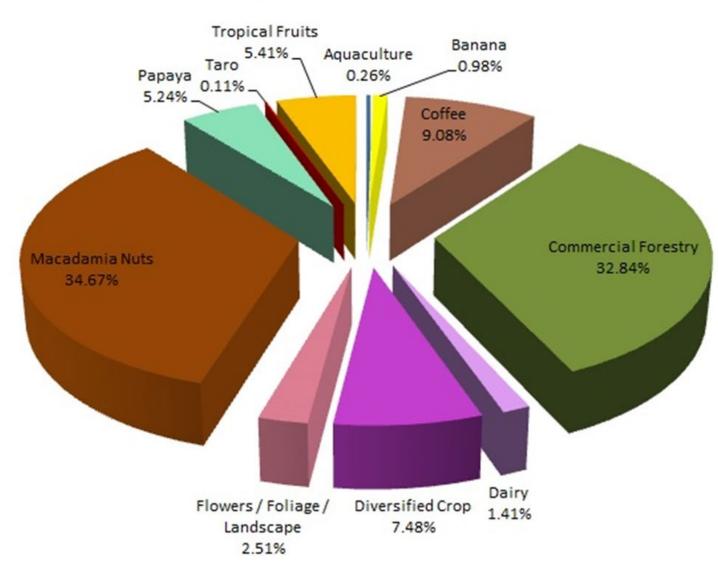


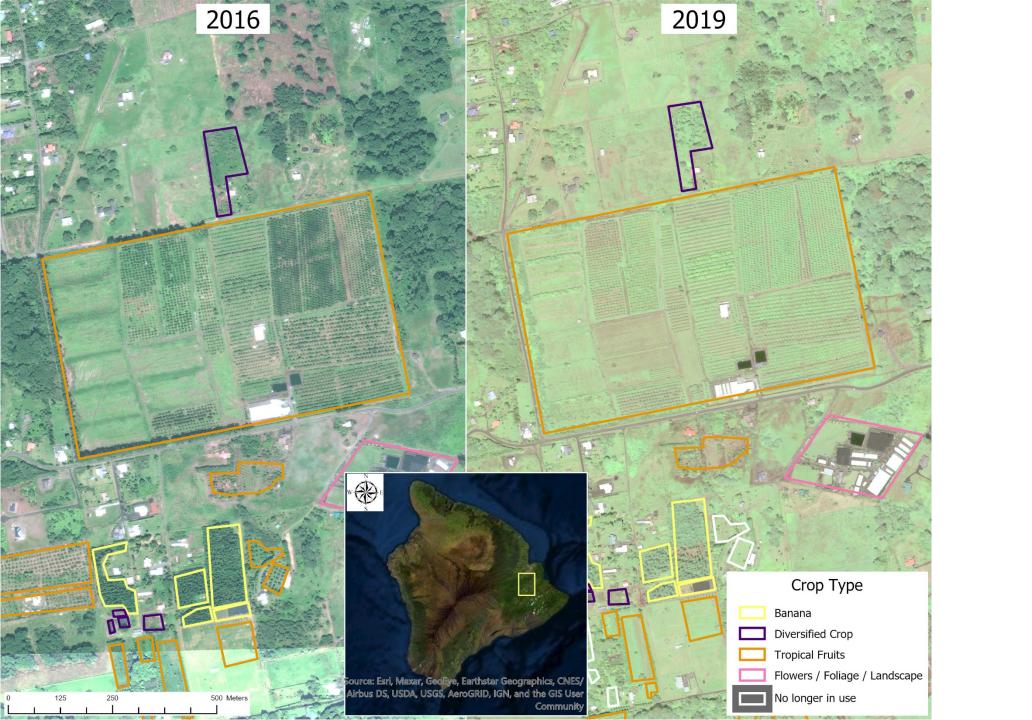


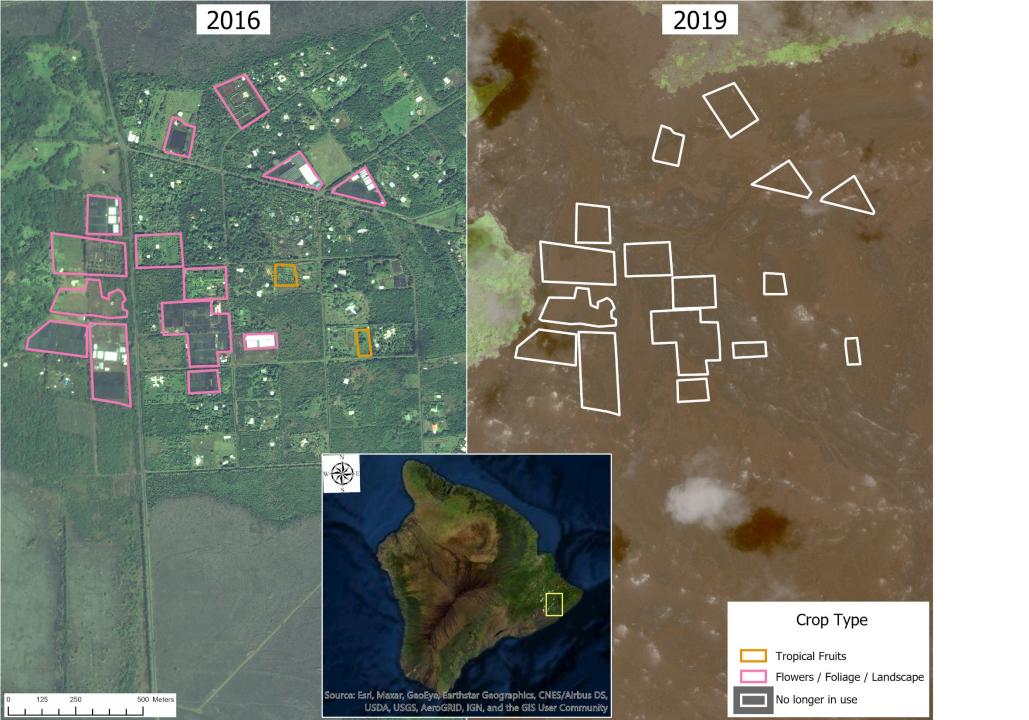


2020 Agricultural Layer Crop Type No longer in use Aquaculture Papaya Banana Pasture Coffee Commercial Forestry Pineapple Seed Production Dairy Taro Diversified Crop Flowers / Foliage / Landscape Tropical Fruits Macadamia Nuts 0 5 10 20 20 Kilometers urce: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Communit

Big Island Crop Types 2020











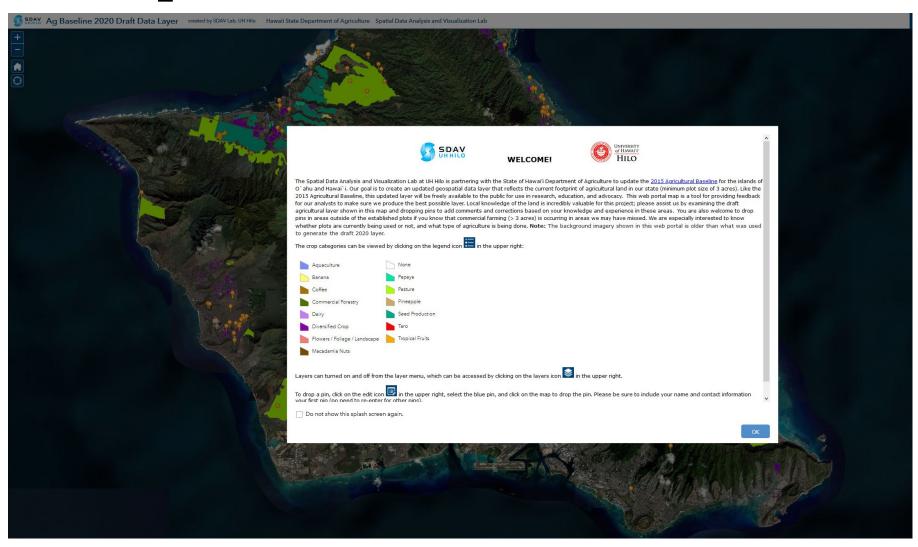
DRAFT RESULTS (MAY CHANGE)

OAHU	Total Acreage		Change	
Crop Type	2015	2020	Acres	%
Aquaculture	274	300	26	9%
Banana	345	343	(2)	-1%
Coffee	168	169	1	1%
Commercial Forestry	26	27	0	1%
Diversified Crop	9,865	10,584	719	7%
Flowers / Foliage / Landscape	484	498	14	3%
Macadamia Nuts	-	2	2	100%
Papaya	166	164	(2)	-2%
Pasture	18,464	18,026	(438)	-2%
Pineapple	3,414	3,437	23	1%
Seed Production	7,333	7,376	43	1%
Taro	51	77	26	34%
Tropical Fruits	227	240	13	5%
Total	40,565	41,242	677	2%

DRAFT RESULTS (MAY CHANGE)

BIG ISLAND	Total Acreage		Change	
Crop Type	2015	2020	Acres	%
Aquaculture	165	162	(3)	-2%
Banana	536	599	63	11%
Coffee	5,525	5,555	30	1%
Commercial Forestry	21,061	20,088	(973)	-5%
Dairy	1,855	865	(990)	-114%
Diversified Crop	3,266	4,573	1,307	29%
Flowers / Foliage / Landscape	1,612	1,535	(77)	-5%
Macadamia Nuts	21,359	21,203	(156)	-1%
Papaya	2,566	3,207	641	20%
Pasture	554,324	549,170	(5,154)	-1%
Taro	61	67	6	10%
Tropical Fruits	3,144	3,310	166	5%
Total	613,717	610,334	(5,140)	-0.8%

Webmap for Stakeholder Comments



https://uhh.maps.arcgis.com/apps/webappviewer/index.html?id=46715ba29 62e41a9828d3443089552ff

