

Conservation and Tree Health Programs and Updates

Community Meeting Summary: August 3, 2020



Dept. of Conservation and Natural Resources			Tree Health Management on Lānaʻi		
Game Management: deer control, fencing, USDA harvest, ungulate population research and management, public hunting			Goals: <ul style="list-style-type: none"> Continue to improve diversification of trees Plant appropriate trees in suitable locations (Right Plant / Right Place) Monitor & manage health to the best of our ability 		
Wildlife: protect native birds & tree snails, coastal marine animals, predator control (rats, cats, barn owls), response and rehabilitation			<ul style="list-style-type: none"> 800+ trees planted at various projects over 6 years Native and Non-natives planted Nursery stock available for planting 		
Plants: protect/monitor/propagate native plants, weed removal, biosecurity			<ul style="list-style-type: none"> Removed less than 100 “desirable trees” Some trees preserved and some relocated Felled trees repurposed for lumber or other uses, whenever possible 		
Marine debris removal					
2019 – 2020 Conservation Highlights					
195% increase in ‘ua‘u breeding success		30 ‘ua‘u tracked with solar GPS tags to learn about flyaways over Lānaʻi			
Endangered band-rumped storm petrels (‘ake‘ake) found in Hauola Gulch		5 tons of marine plastics sent to O‘ahu to be recycled		2nd known monk seal pups born on Lānaʻi	
Pā kāhuli (predator-proof native snail enclosure) completed		First natural seedlings under the last two <i>Cyanea munroi</i> in the world		Fruit collected for the first time from 1 of 2 last <i>Cyanea lobata baldwinii</i> plants	
On pace to outplant 1000 native plants, including 45 nā‘ū (native gardenia, less than 50 worldwide)					
And many more!					
Game Management					
Rifle-Shotgun		Usual schedule, off-isle hunters prohibited (COVID-19)			
Community hunts		Subsistence, herd management, 694 deer harvested between 3/31 and 6/20			
Current actions not keeping pace with deer reproductions		Changes for the future <ul style="list-style-type: none"> Increase focus on doe harvest Modeling for specific target harvest with DLNR 			
2020 Projects			2021 RFP (mid-Aug) Priorities		
<ul style="list-style-type: none"> Ungulate fencing assessment & plan LIDAR mapping & sedimentation evaluation Mapping native & non-native vegetation communities Hiʻi Predator-proof fence construction Review of Hawaiian Petrel monitoring program w/ San Diego Zoo Global And many more! 			<ul style="list-style-type: none"> Ungulate fence installation Ungulate community control Sedimentation interventions Invasive plant management strategy for Lānaʻi Hale Community engagement Improve resilience and reef fish health 		
Why do we remove trees?					
<ul style="list-style-type: none"> Roots cause damage to water & sewer lines, building foundations, roads/paths Trunk rot results in loss of structural integrity (possible improper pruning practices) Trees planted too close to buildings Volunteer seedling growth unchecked Lightning damage Trees reaching life expectancy 					
Kuahiwi a Kai					
What is it?		Large scale restoration project on Lānaʻi’s windward slope			
Funding		\$898.5k in grants + \$1.077M matching = \$1.976M			