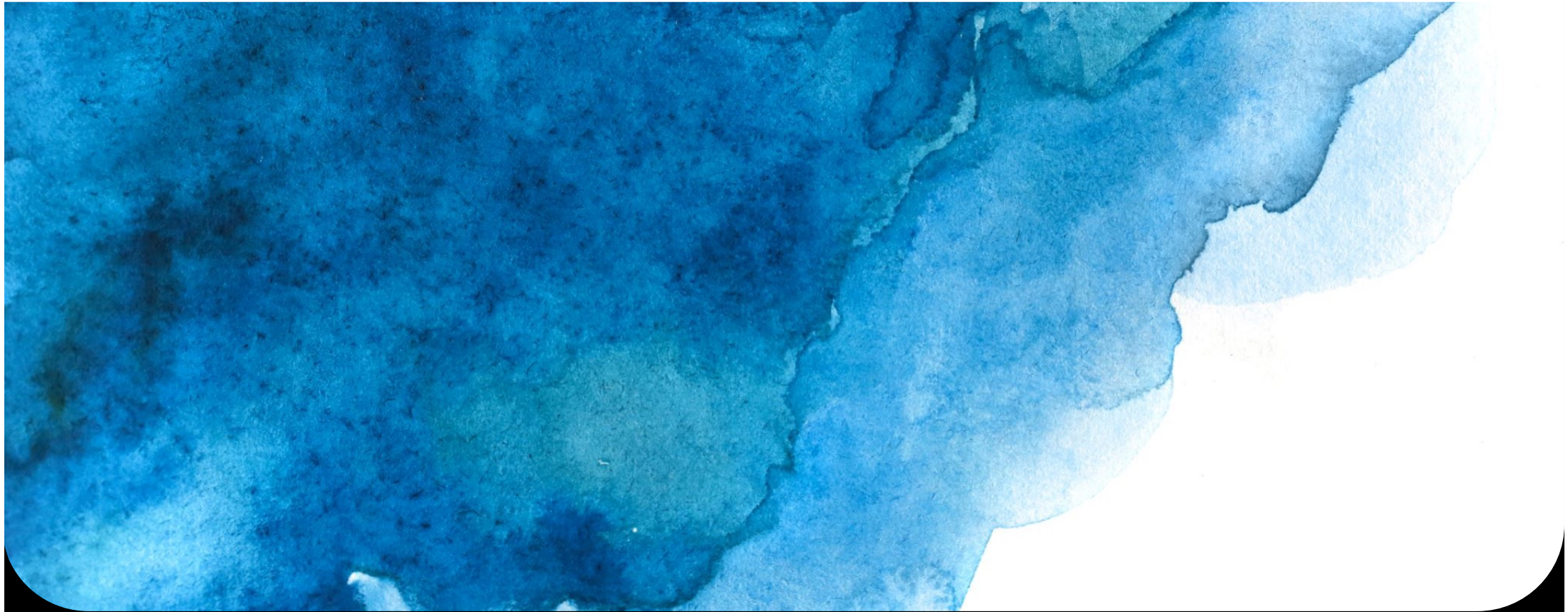




Detector Dog-Invasive Species

TIMEFRAME: 8/21/2021-9/30/2024

Oryctes Rhinoceros-Coconut Rhinoceros Beetle (CRB)



MEET

TEAM

THE



Handler Ally Worchester with DD Elvis





Handler Lou Baza
with DD Nā'i



Handler Tristen Lizama
with DD Maui



Handler Garrett Certeza with DD Penny



Funders

US DEPARTMENT OF
INTERIOR, OFFICE OF
INSULAR AFFAIRS





Dog Procurement



From Hawaii	Cost
Hawaii – Contract CDH to source dogs in Hawaii	\$1,500.00 per dog
Adoption Fees, Vet Visits, Permits, Temporary Boarding Fees	\$1,000.00 per dog
Charter Flight to Guam	\$3,500.00 per dog
TOTAL	\$6,000.00 per dog

<u>On</u> Guam	Cost
Guam – GAIN Adoption Fee	\$125.00 per dog
USDA WS Canine Handler Training (<u>10 week</u> course)	\$27,861.41 per trainer

Phase	Construction Items	Date(s)	Cost
I	Concrete Pad & Sewage Line	2/25/22 – 3/10/22	\$18,050.00
	40' HC Non-Working Reefer Container	03/10/22	\$8,600.00
	Container Shipping (CA to Guam) & Installation	03/28/22 – 05/02/22	\$3,330.49
II	Container Concrete Floor, Kennel Walls & Fencing	07/13/22 – 09/29/22	\$23,600.00
III	Power & Water Lines, Air-Con Installation	12/05/22 – 12/17/22	\$14,400.00
	18K BTU Split-Unit Air-Con & Installation	12/22/22	\$800.00
IV	Butler Tin Roof & Exterior Kennel Run	Pending	Pending

\$68,180.49

KENNEL CONSTRUCTION



KENNEL CONSTRUCTION



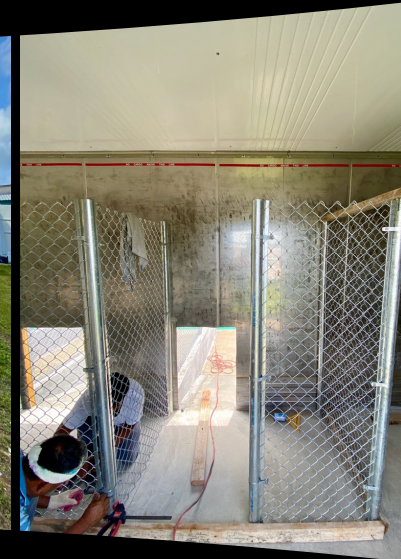
KENNEL CONSTRUCTION



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KENNEL CONSTRUCTION



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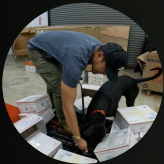
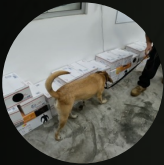
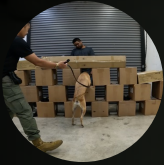
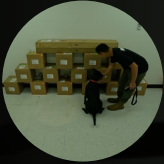
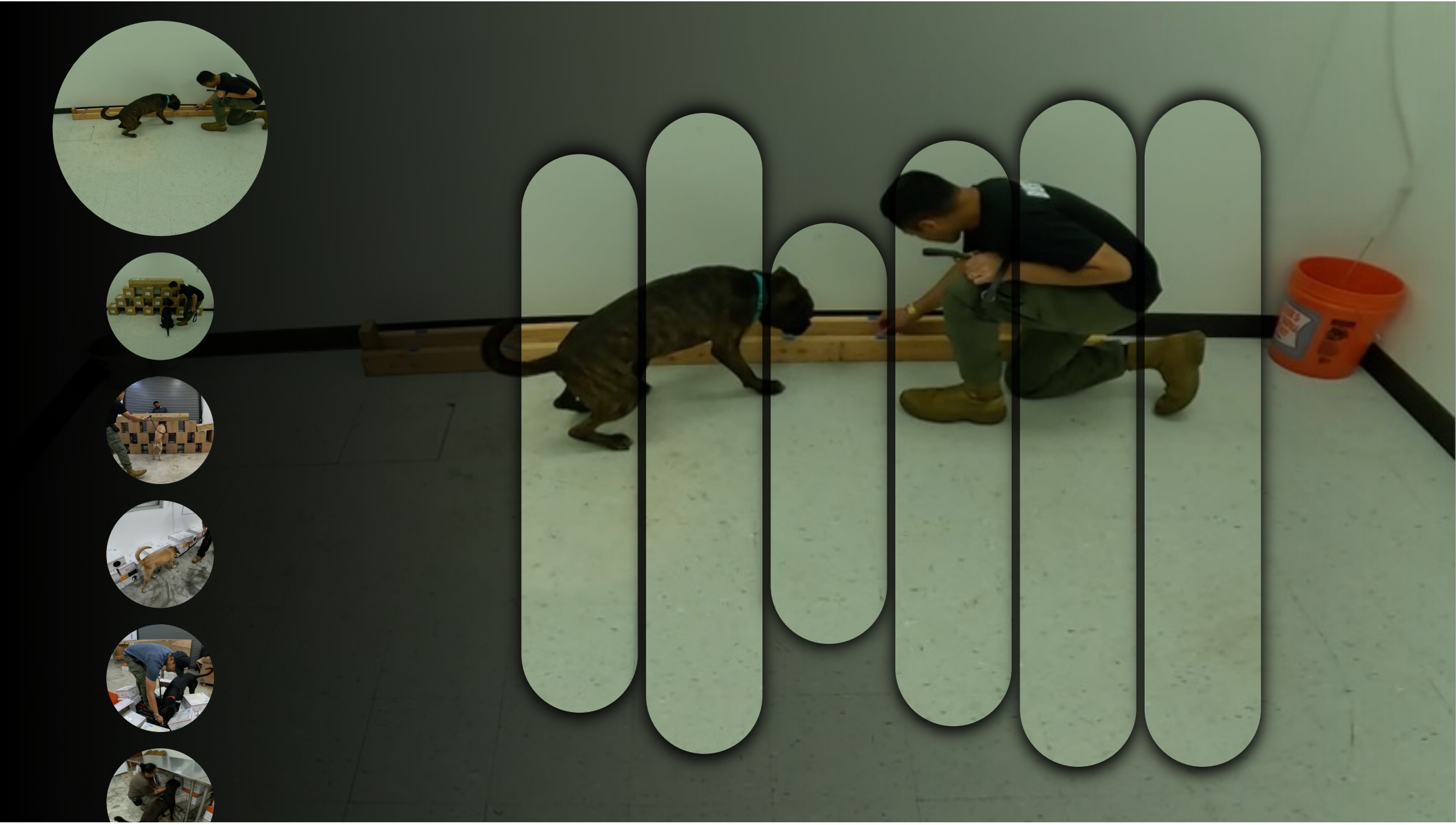


KENNEL CONSTRUCTION



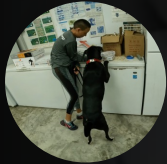
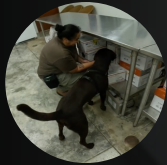
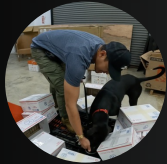
KENNEL CONSTRUCTION





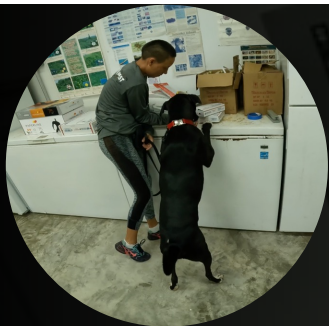




















Certifying









SPECIAL THANKS



TRAINING BEGAN: FEBURARY 13, 2023



Warehouses

SPECIAL THANKS

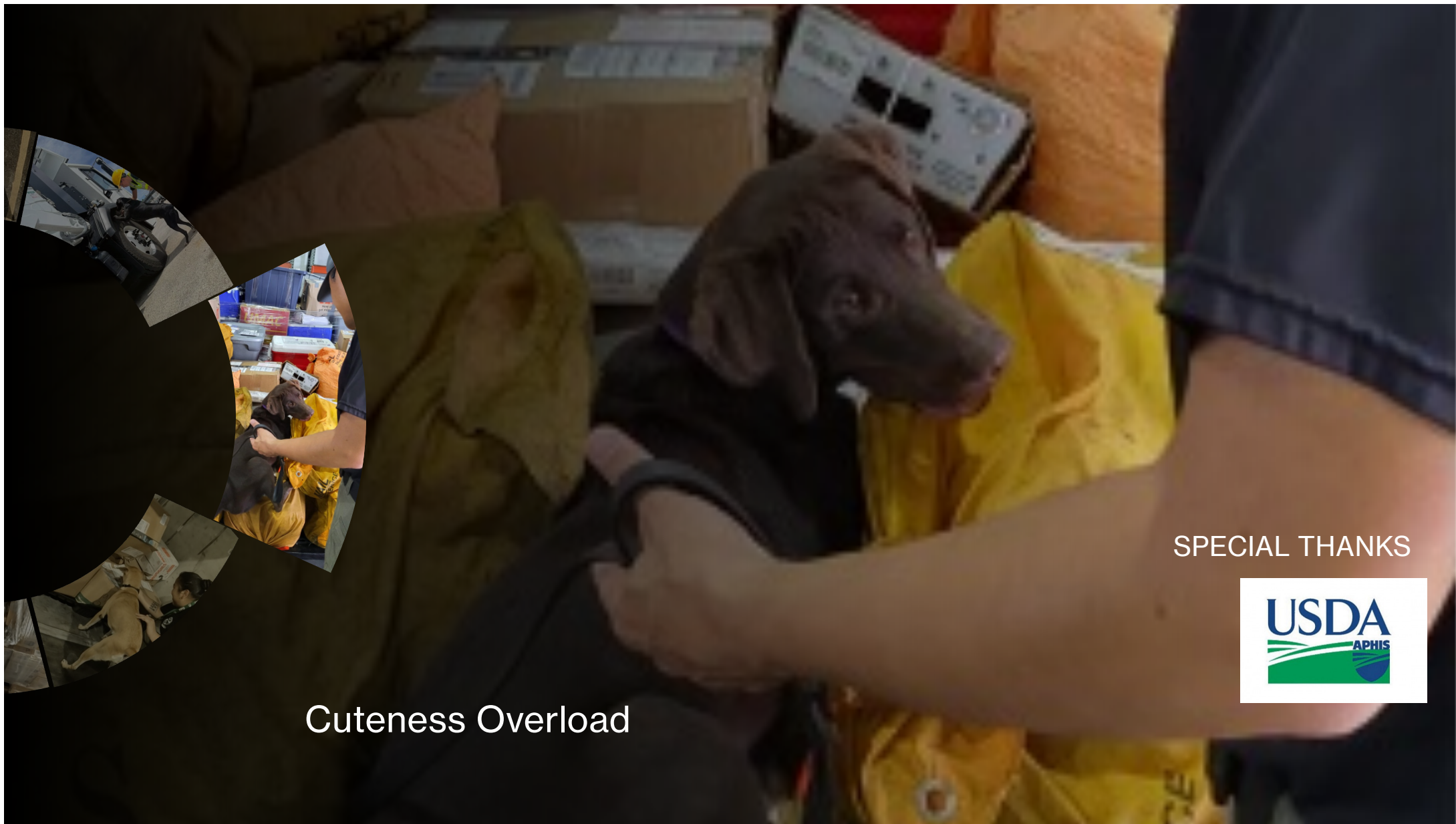




United Cargo

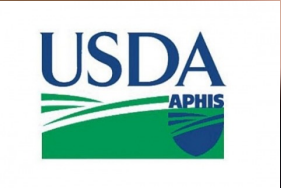
SPECIAL THANKS

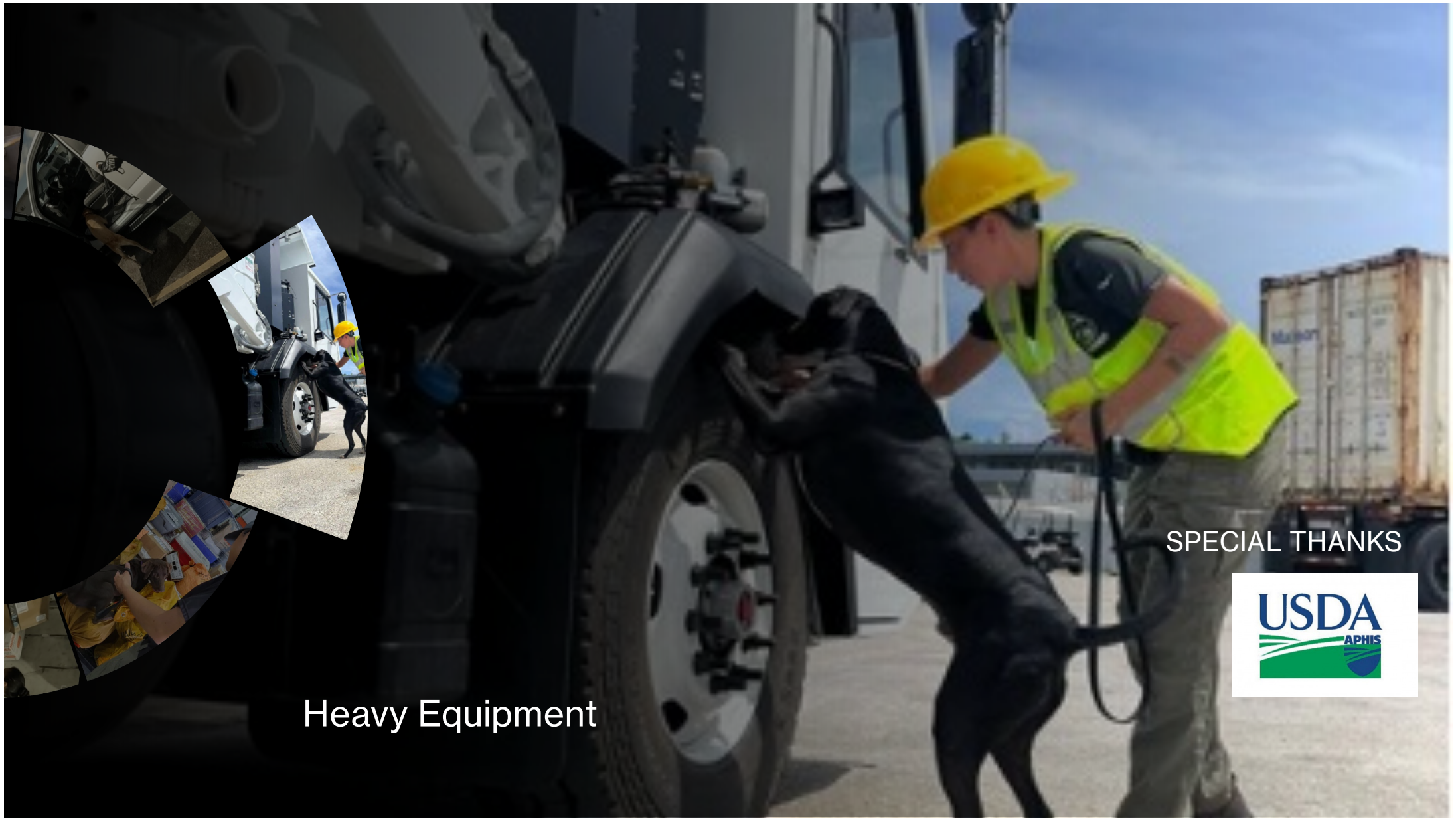




Cuteness Overload

SPECIAL THANKS

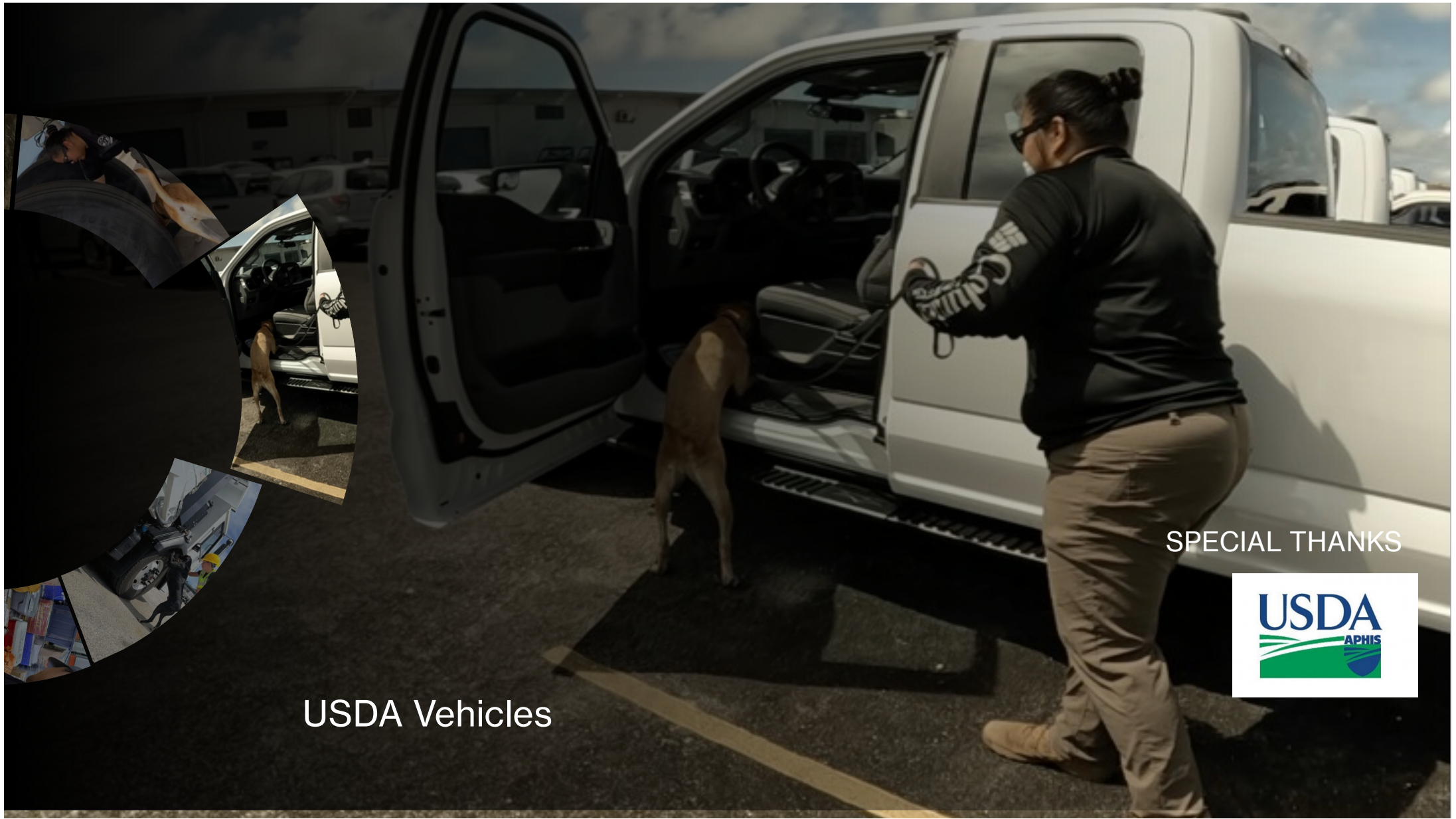




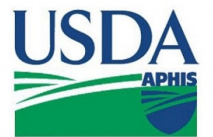
Heavy Equipment

SPECIAL THANKS

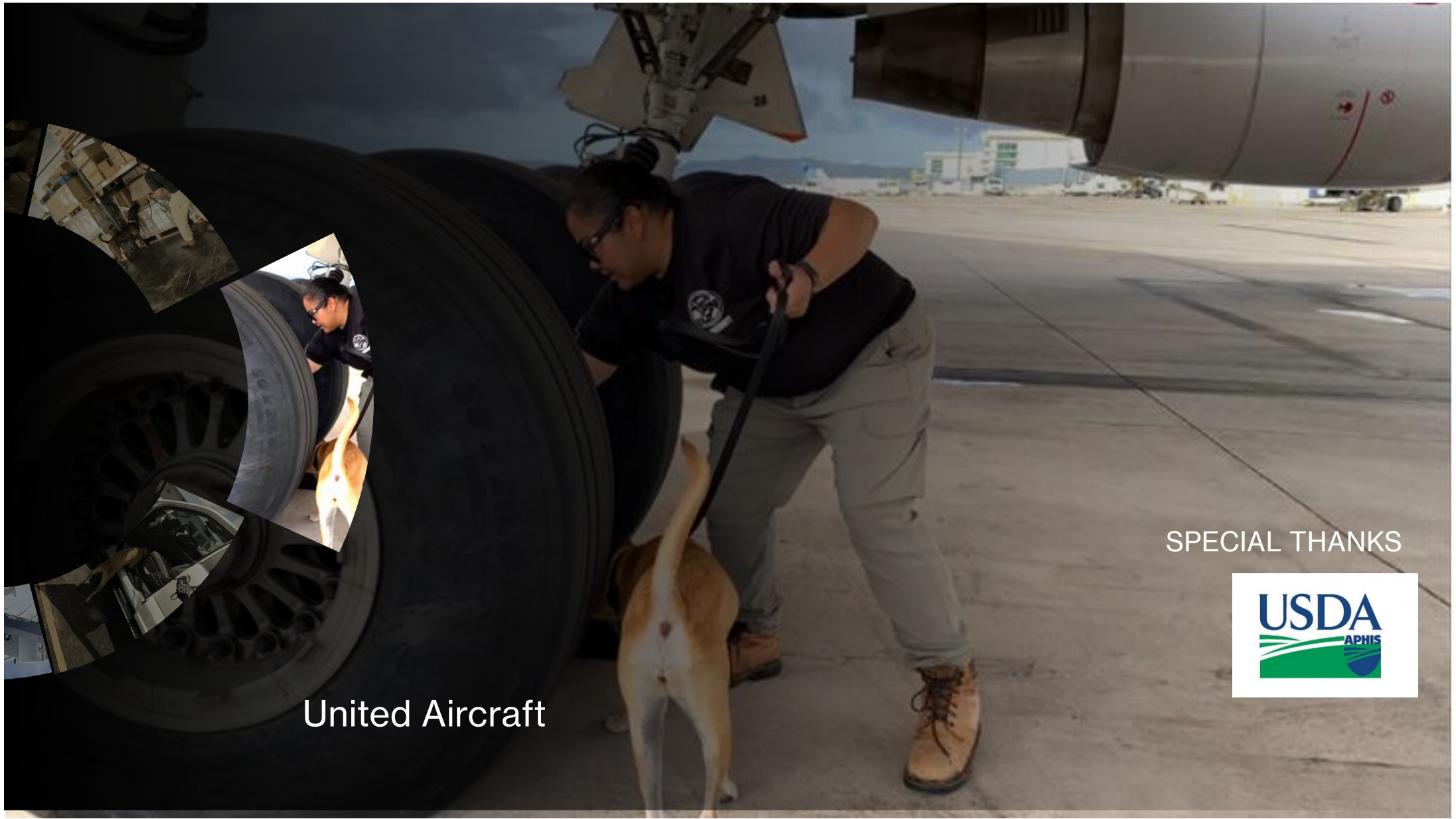




SPECIAL THANKS



USDA Vehicles



United Aircraft

SPECIAL THANKS



GRADUATED: APRIL 14, 2023

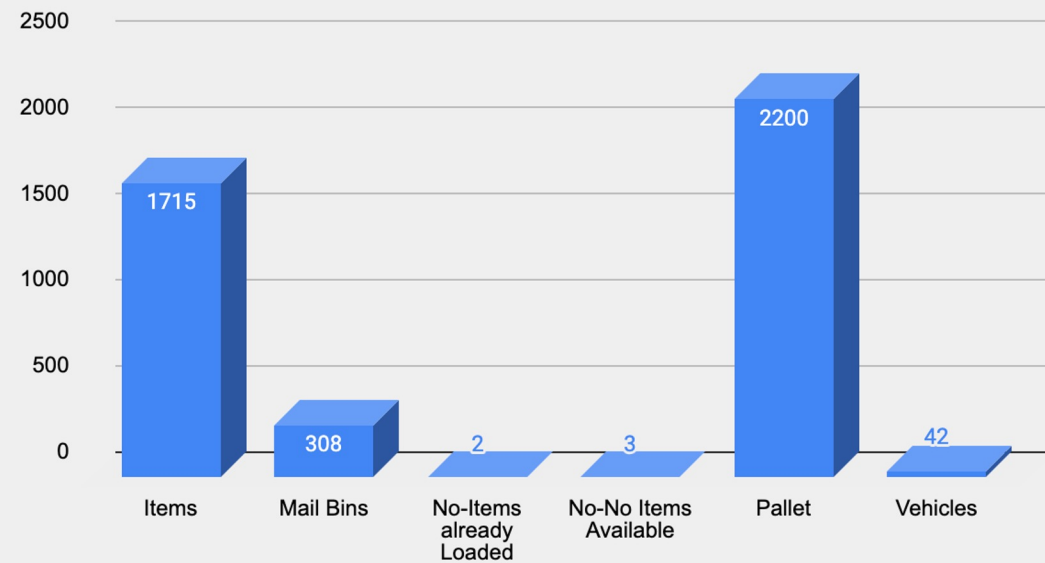


OPERATIONS

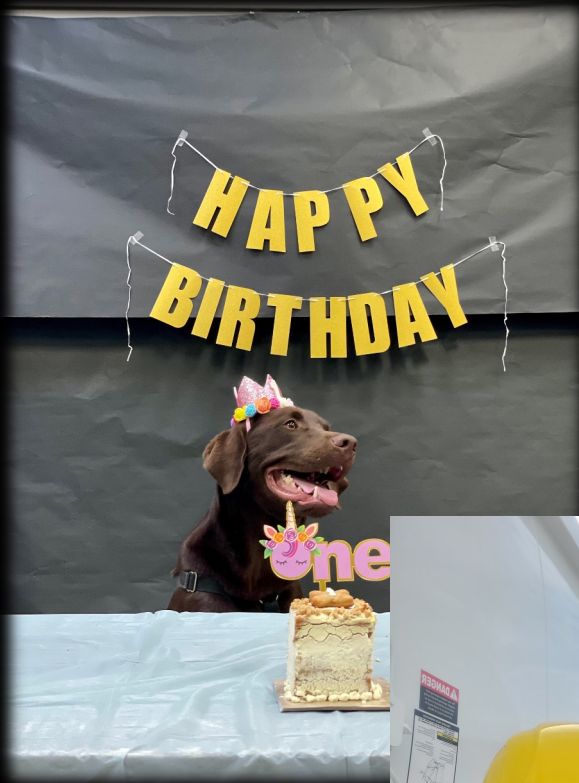
Number of Containers Inspected VS Type

Type of Container	SUM of Number of Container
Items	1715
Mail Bins	308
No-Items already Loaded	2
No-No Items Available	3
Pallet	2200
Vehicles	42
Vehicles-Heavy Equipment	73
Wagon	43
Grand Total	4386

Number of Containers by Type







RESEARCH CORPORATION
OF THE UNIVERSITY OF GUAM

INVASIVE SPECIES DETECTOR DOG TEAM PREVENTS COCONUT RHINOCEROS BEETLE FROM SPREADING TO MARSHALL ISLANDS

FOR IMMEDIATE RELEASE
August 11, 2023

PITI, GUAM—On Wednesday, August 9, 2023, the Guam Invasive Species Detector Dog Team (GISDDT) intercepted a live coconut rhinoceros beetle (CRB) at the Port Authority of Guam. The invasive beetle was detected on a heavy equipment vehicle while conducting routine search operations of exports. The heavy equipment vehicle was destined for Majuro, Republic of the Marshall Islands where CRB is not present.

Upon discovery, the CRB was immediately secured and transferred to the Guam Department of Agriculture entomologist for confirmation and final disposition. Authorities at the Port Authority of Guam were notified of the find and secondary inspections of the vehicle were conducted.

The coconut rhinoceros beetles (*Oryctes rhinoceros*) was first detected in Guam in 2007 and has since eluded eradication efforts. The highly destructive beetle is native to Southeast Asia and has steadily spread across several Pacific islands, including Palau, Samoa, Fiji, Oahu, and more recently, Rota (2017) and Kauai (2023).

"This is a significant event that validates all the investment this team and our collaborators have devoted over the past two years developing this project. Our interdiction program also includes CRB trap networks around the ports, bio-control development, and pesticide implementation. The dog teams act as the last line of defense to prevent the spread of invasive species throughout the region," comments Dr. Glenn Dulla, Biosecurity Program Principal Investigator.

The primary goal of the GISDDT is to prevent the movement of invertebrate invasive species, such as CRB and little fire ant, from Guam to other Pacific islands through the use of detector dogs. The GISDDT is a pilot project funded by the US Department of Interior- Office of Insular Affairs, managed by the Research Corporation of the University of Guam and located at the Guam Department of Agriculture, Biosecurity Division. The GISDDT completed a 10-week certification course under the Guam USDA Wildlife Services in April 2023 and began operational searches in May 2023.

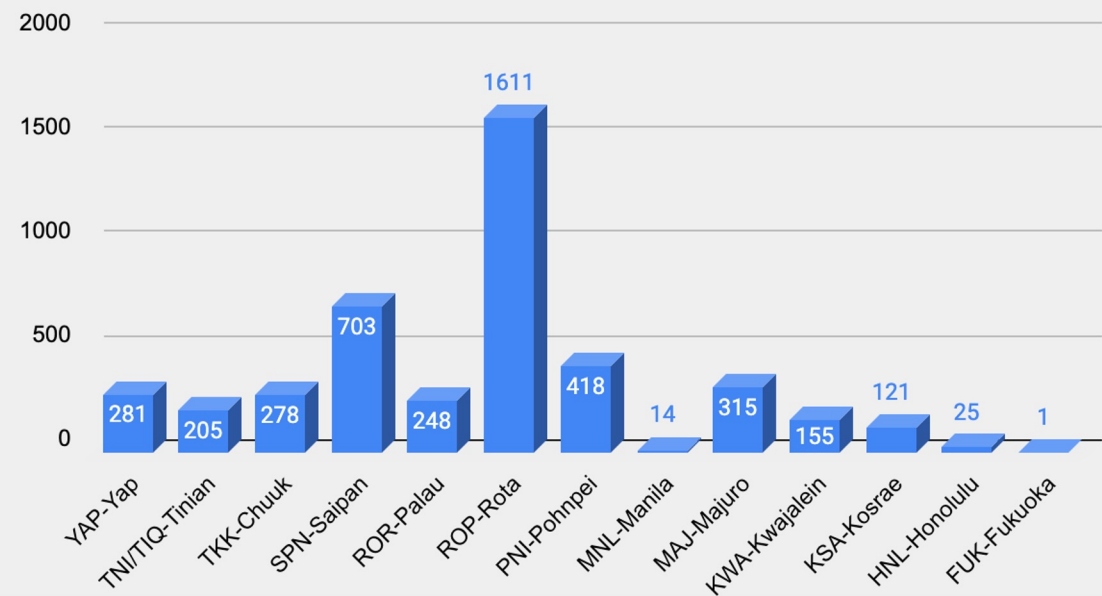


Pictured: Guam Invasive Species Canine Handler Mary "Ally" Worcester and Detector Dog Elvis searching a vehicle destined for Majuro at the Port Authority of Guam.

Number of Containers VS Destination

Destination	SUM of Number of Container
YAP-Yap	281
TNI/TIQ-Tinian	205
TKK-Chuuk	278
SPN-Saipan	703
ROR-Palau	248
ROP-Rota	1611
PNI-Pohnpei	418
MNL-Manila	14
MAJ-Majuro	315
KWA-Kwajalein	155
KSA-Kosrae	121
HNL-Honolulu	25
FUK-Fukuoka	1
Ebeye-Marshall Island	6
	5
Grand Total	4386

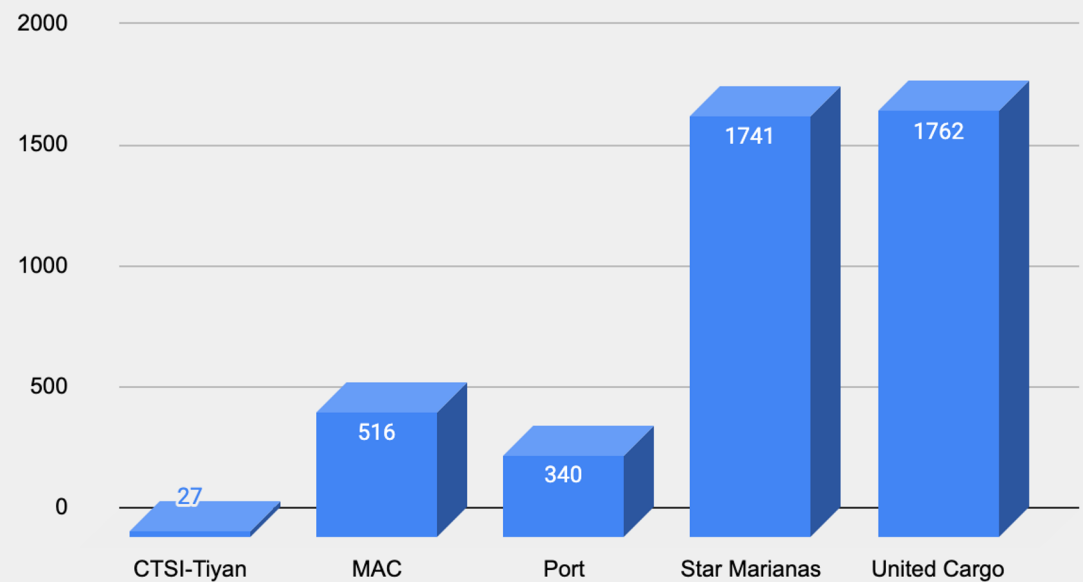
Number of Containers by Destination



Number of Containers Inspected VS Location

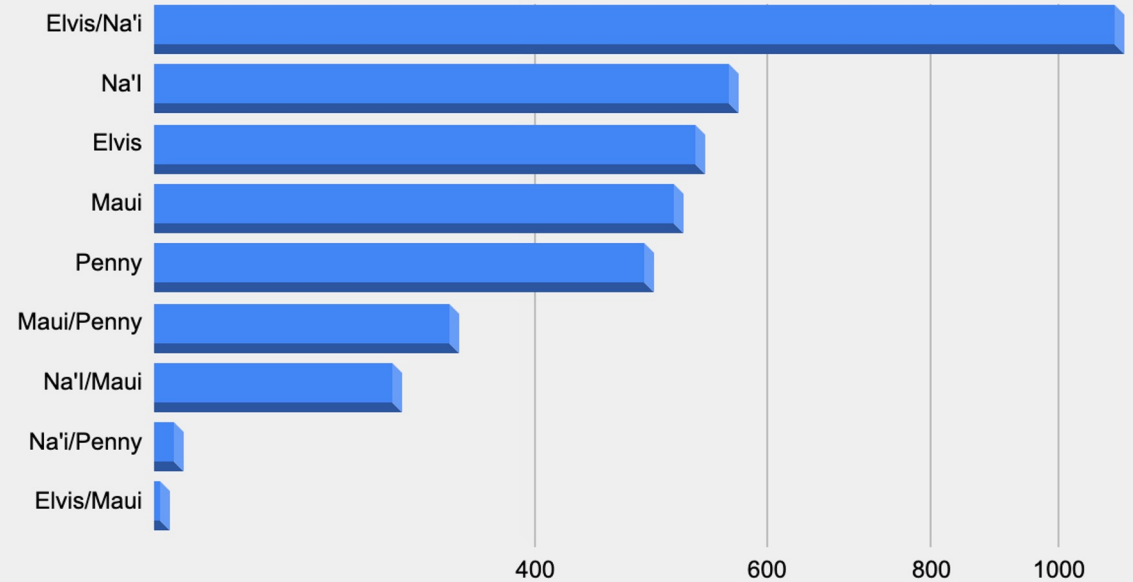
Location	SUM of Number of Container
CTSI-Tiyan	27
MAC	516
Port	340
Star Marianas	1741
United Cargo	1762
Grand Total	4386

Number of Containers Inspected by Location



<i>Detector Dog</i>	SUM of Number of Container
Elvis/Na'i	1123
Na'l	571
Elvis	539
Maui	518
Penny	493
Maui/Penny	350
Na'l/Maui	317
Na'i/Penny	216
Elvis/Maui	211
Elvis/Penny	46
	2
Grand Total	4386

Number of Containers Searched by DD



SPECIAL THANK YOU TO OUR SUPPORTING DEPARTMENTS



12/12/23

SPECIAL THANK YOU TO OUR SUPPORTING DEPARTMENTS



SAMPLE FOOTER TEXT

51

SPECIAL THANK YOU TO OUR SUPPORTING DEPARTMENTS



SPECIAL THANK YOU TO OUR SUPPORTING DEPARTMENTS



SPECIAL THANK YOU TO OUR SUPPORTING DEPARTMENTS



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GUAM
UNIBETSEDÁT GUÅHAN

THANK YOU!

SI YU'OS MA'ÅSE