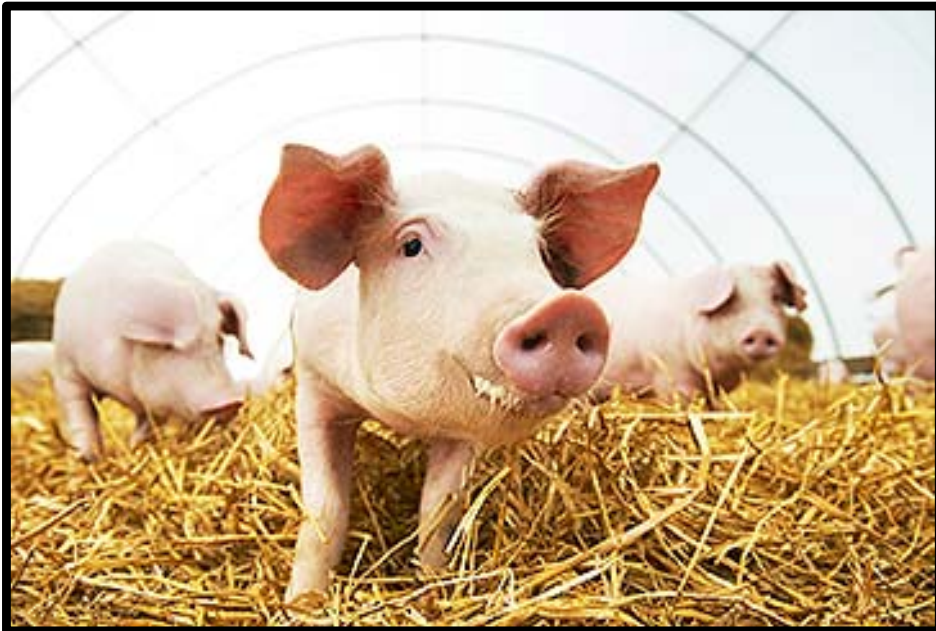




Animal and Plant Health Inspection Service
U.S. DEPARTMENT OF AGRICULTURE



Swine Hemorrhagic Fevers Surveillance Plan Updates

Oriana Beemer, DVM, MS
USDA APHIS VS CEAH

USAHA/AAVLD 2022



Surveillance Objectives



Strengthen detection capabilities



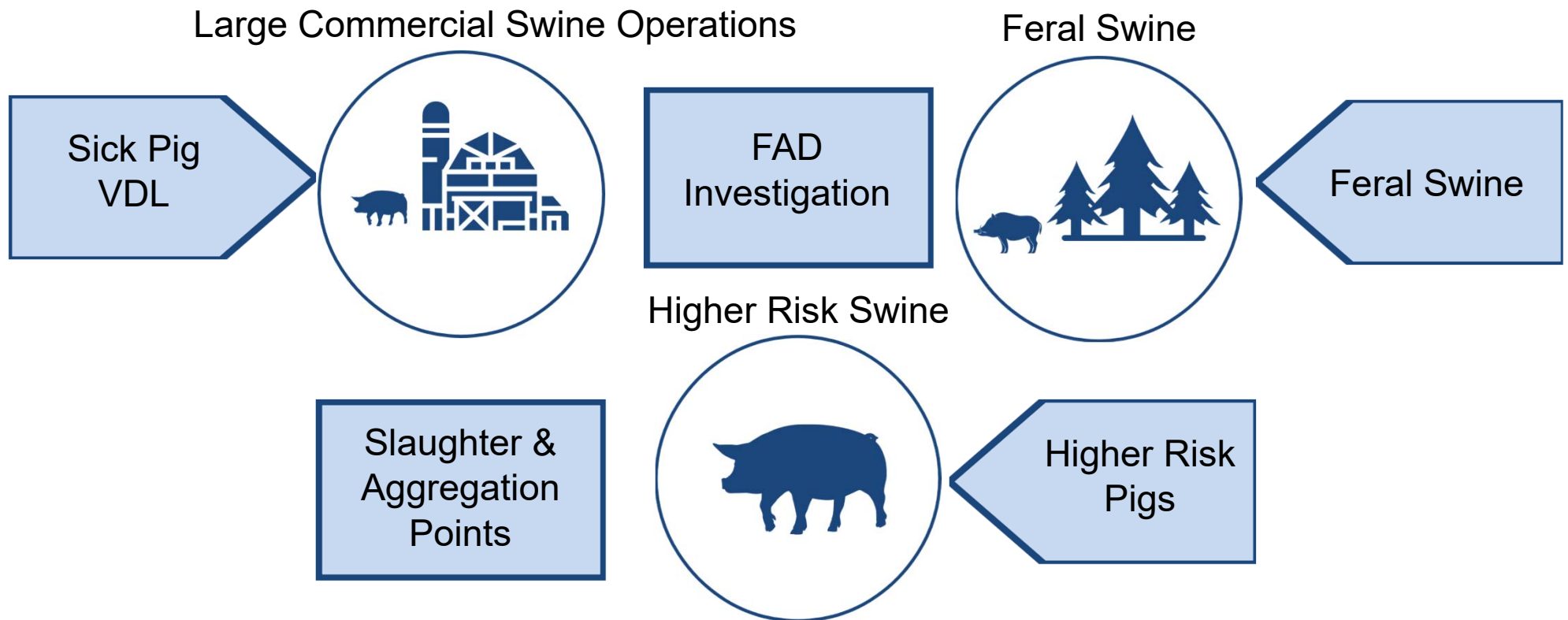
Enhance outbreak preparedness



Support claims of disease freedom



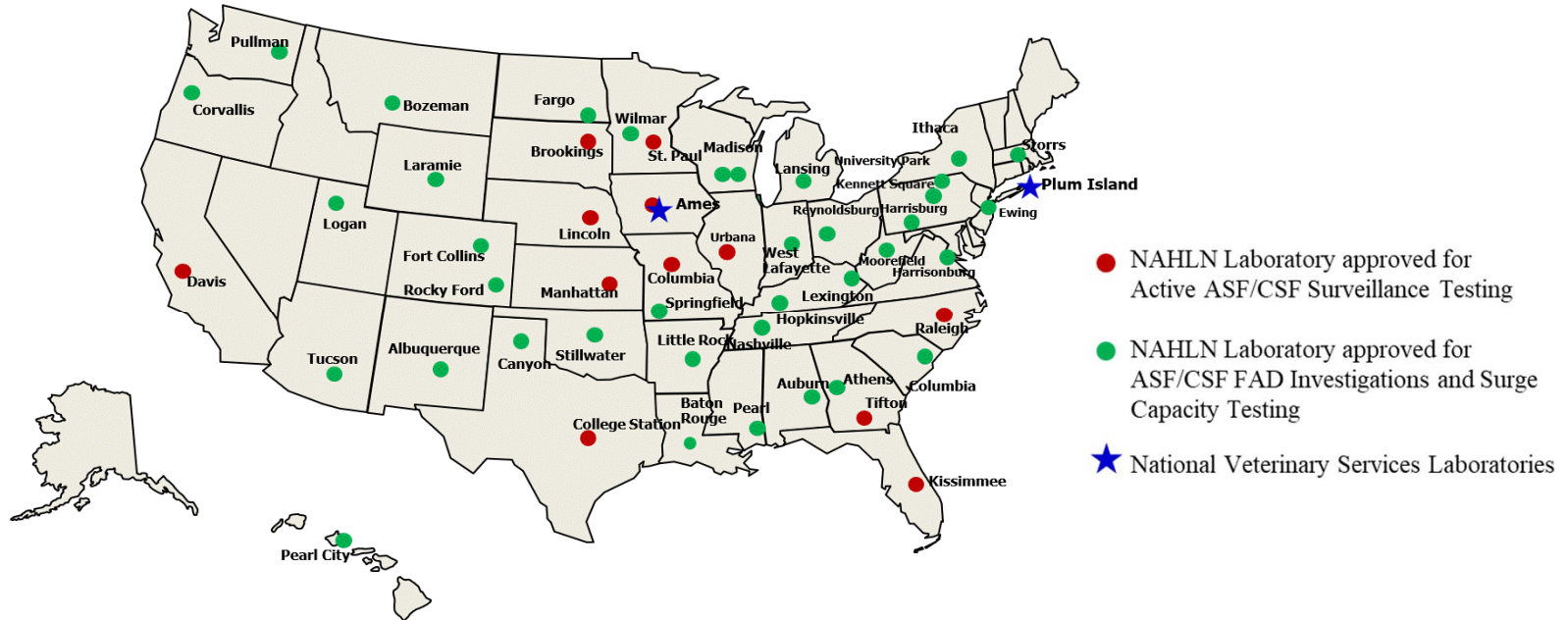
Targeted Surveillance System Components





Laboratory Capacity

NAHLN Laboratories Approved to Conduct ASF & CSF Testing



January 3, 2022



Surveillance plan updates: Surveillance in PR and USVI

Target	Enhancements
FADI and Sick Pig VDLs	All sick pigs treated as FADI
Slaughter and Aggregation Points	FSIS collecting samples at 4 facilities in PR and 1 facility in USVI
Higher Risk Pigs	Increased VS visits from one to three times per year Increased surveillance of farms in 3km radius of illegal boat landings
Feral Swine	Accelerated peri-urban culling program, expanding into rural areas Adult and subadults tested for ASF & CSF



Surveillance plan updates

Whole Blood



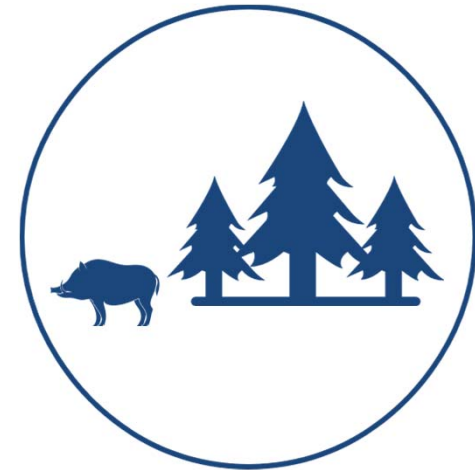
Approved for surveillance

Case Definitions



Incorporates recently updated definitions

Feral Swine



In very high-risk counties (TX, LA, GA, and FL)
ASF and CSF serology + PCR



Surveillance plan updates: Target sample numbers

Sample stream	Tissue and Whole Blood samples	Serum samples	ASF PCR tests	CSF PCR tests	CSF tests on serum	ASF tests on serum	Total samples
Sick pig VDL submissions	6,500		6,500	6,500			6,500
Slaughter surveillance	1,500		1,500	1,500			1,500
Higher-risk surveillance	4,200	4,000	4,200	200	4,000		8,200
Feral swine surveillance	5,000	10,000	5,000	5,000	10,000	5,000	15,000
Total	17,200	14,000	17,200	13,200	14,000	5,000	31,200

Increases compared to previous plan highlighted in dark blue.



Surveillance Data: ASF & CSF Public Dashboard





Surveillance Data: ASF & CSF Public Dashboard





What's on the horizon?



ASF serology use cases



Formal surveillance plan evaluation
summer 2023



Identify enhancements to
targeted, risk-based
surveillance



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- CEAH-SDA
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- Field Operations staff
- Swine industry including herd managers and private veterinarians
- Raina Benford: graphics and design



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Thank you!

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