



NGAT
North Carolina UAS Test Site Overview
9/15/2013

Kyle Snyder, NGAT Center Director

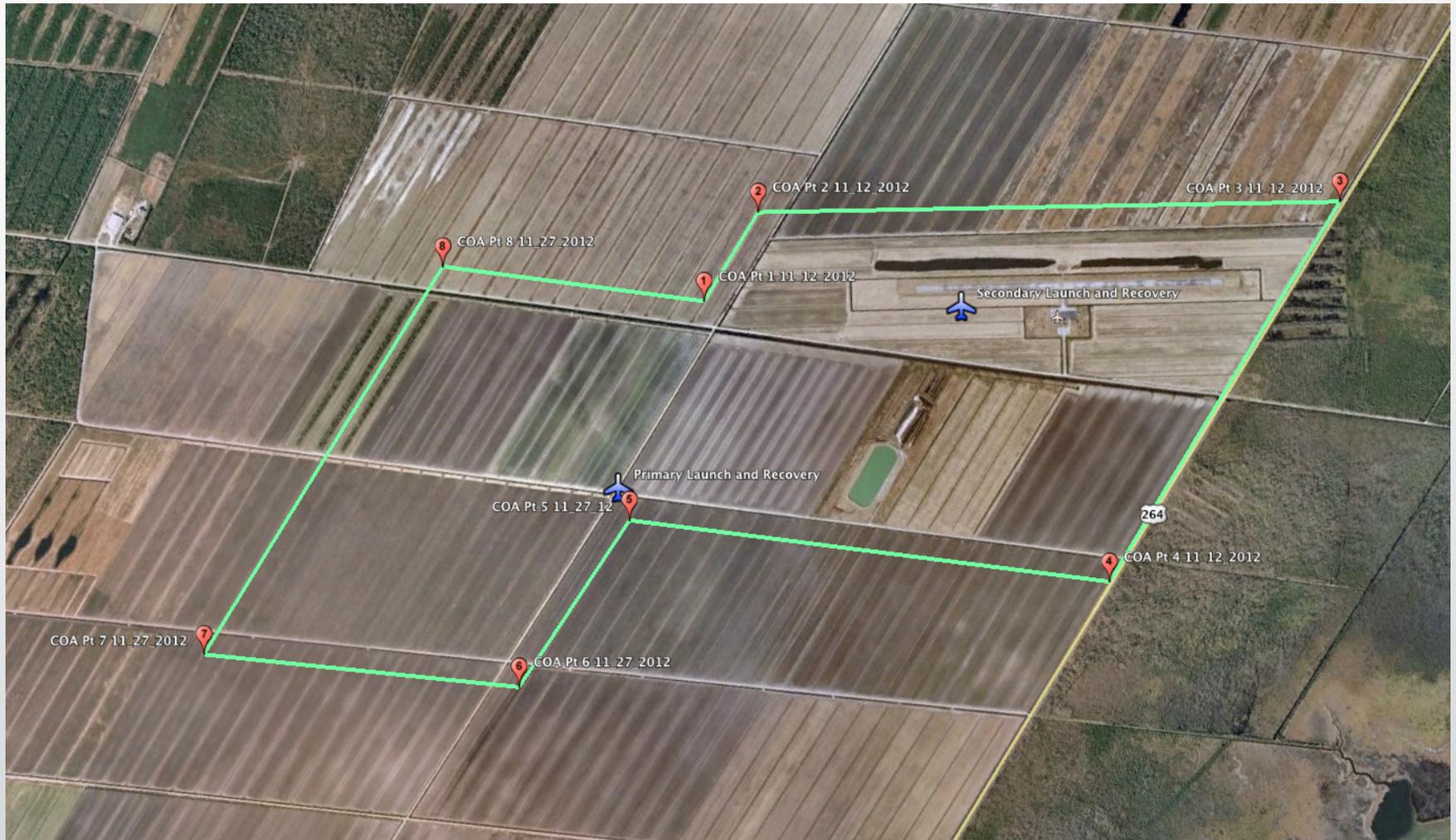
NGAT

NC STATE UNIVERSITY

NGAT Center Overview

- Mission: *to discover, evaluate, implement, and disseminate advanced air transportation technologies at the regional, national, and international level to improve the capacity, safety, and environment surrounding air transportation.*
- Scope:
 - Prepare NC industry, airspace users, researchers, and communities for “NextGen”
 - Develop a comprehensive UAS ecosystem in the state
 - Provide a coordination office for modern air transportation activities
 - Support NCSU related research activities
- 2008- Launch | 2012- Relaunch | 2013- UAS Ops begin

Current Gull Rock Test Site COA



Super Swiper

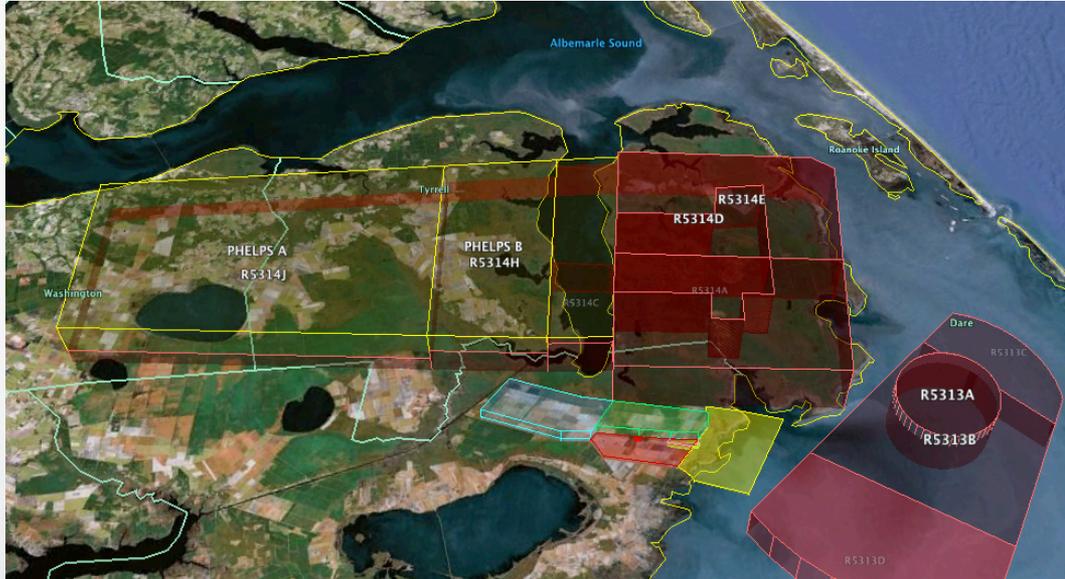
- Wingspan - 74"
- Length - 72"
- Weight - 9 pounds (MTOW)
- Speed - 30 mph
- Endurance - 60-120 minutes



First Flight 3/21/13

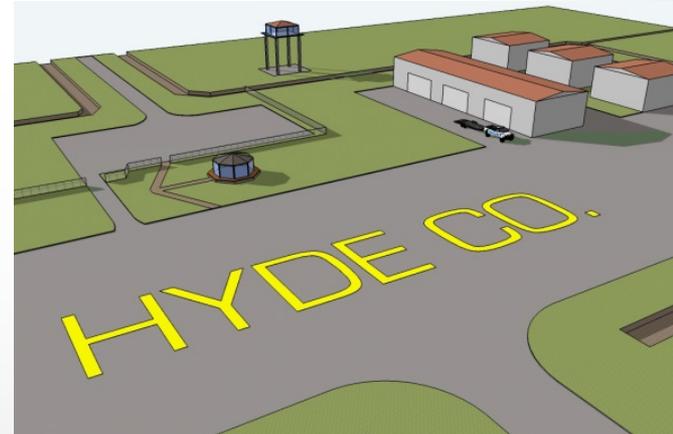
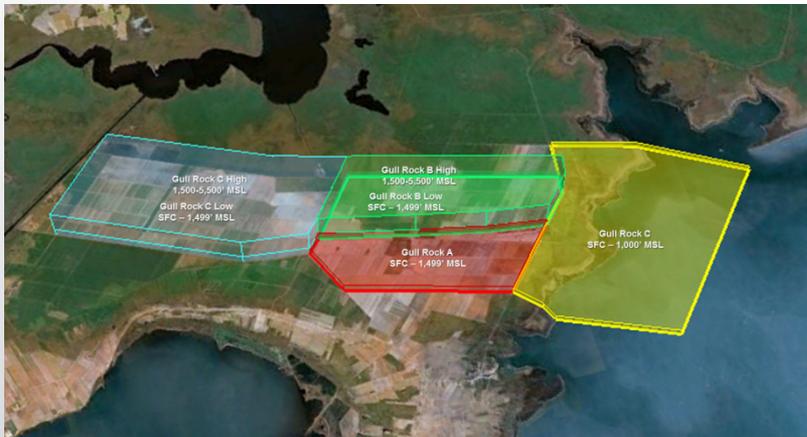


Planned Gull Rock Test Site



GRTS Details

- Test Site based at NC Hyde County Airport (7W6), north of Engelhard NC
- Test Site to be managed by NGAT Center (NCSU)
- MOU with Mattamuskeet Association is under review
- Test Site to officially open in early 2014, but currently supporting key strategic partners
- Specs
 - Approx 30,000 acres, 13.5 mi x 3.5 mi
 - No turbojet aircraft or exotic/hazardous fuels
 - Aircraft size limited to 1,500 lbs
 - Users will make reservations with NGAT, no unescorted access
- Local community to provide (paid) staff as Visual Observers
- Will add an Observation Tower and set of hangars to airport facility to support further utilization and safety



Planned Gull Rock Test Site



Water Portion of GRTS

- Approx 2 miles x 3.5 miles
- Max alt is 1000'
- Water is shallow
- We can supply water-based platform and boat for towing and testing
- Access from Hyde County airport, hand launch locations, water launch options



For More Information



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