

The Sky is the Limit

Drones for conservation TREX

August 10 - 16 2025

Grandview Prairie Conservation Education Center
Columbus, Arkansas



Scan the QR code to register

Question: If technology could help you solve any problem in conservation, what would it be?

Sunday, August 10, 2025

Fly in and travel to Grandview Prairie Conservation Education Center Lodges

2 hour drive from LIT, 3.5 hour drive from DFW

Monday, August 11, 2025

FAA Part 107 Test Prep Course Training, Brandon Guillot, AAE, ACE, RPC

Textbook: UAS Remote Pilots Test Prep by Aviation Supplies and Academics

Time	Topic	Description
0800 - 0810	Sign in	At Main Lodge
0810-0950	Regulations	Certification Requirements, Support Crew, sUAS Registration, HAZ-MAT, Right-of-Way, Privacy, State and Local Laws, Mishap Reporting
0950-1000	Break	Snack
1000-1140	Airspace	NOTAMs, Airspace Classification, Topography, Airport Markings and Operations, Collision Avoidance in different Airspace Types
1140-1200	Weather	Wind, Air Masses and Fronts, Atmospheric Stability, Visibility and Clouds, Hazardous Weather, Weather Forecast and Briefing services
1200-1230	Lunch	At Main Lodge
1300- 1430	Aircraft Types & Performance	Physics of flight, Fixed and Rotary Wings, Airfoils, Determining Speed and Altitude, Weight and Balance, Stalls
1430-1440	Break	Snack

Monday, August 11, 2025 Continued

1440-1530	Operations	Communication procedures (Crew and Airport), Emergency Procedures, Aeronautical Decision Making, Inspection Procedures and Maintenance
1530-1730	Practice FAA Part 107 Test	Practice FAA FAR Part 107 Test and Review
1730	Dinner	

Tuesday, August 12, 2025

How to Map with Mapping Software

Jacqueline Ferrato, Spatial Analyst TX/AR-TNC
Clint Harris, Manager of Resilient Forest, AR-TNC

Time	Topic	Description
0730-0800	Breakfast	At Main Lodge
0800-0900	Safety	Safety Tips, Drone Inspection, Checking Batteries, and Keeping Firmware up-to-date
0900-1000	Mapping	What is mapping? How do we use it? Data Collection, Equipment, and Mapping Software (Drone Deploy, Pix4, etc.)
1000-1200	Mapping Mission	Creating a mapping mission by setting waypoints (Path Mission) to create a map
1200-1300	LUNCH	At Main Lodge
1300-1500	Instructor Mapping Exercise	Field Mapping Exercise: Three groups with instructors will create a live map exercise in the field, highlighting safety and preflight and postflight drone inspection.
1500-1700	Mapping Software	Processing field data in Mapping Software
1700	Dinner	At Main Lodge
1800	Study Session	Study section for Part 107 test prep optional

Wednesday, August 13, 2025

Drone Mapping Training

Dan Justa, VP Business Development, Drone Amplified

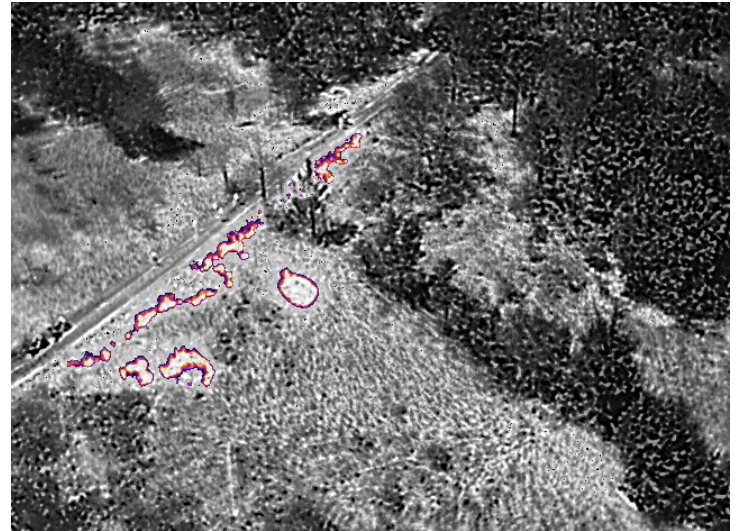
Time	Topic	Description
0730-0800	Breakfast	At Main Lodge
0800-1200	IGNIS	Morning session will be overview of the IGNIS system
1200-1300	Lunch	At Main Lodge
1300-1700	Mapping exercise	Afternoon session will be making missions and flying
1700	Dinner	At Main Lodge
1800	Study Session	Study section for Part 107 <i>test prep optional</i>

Thursday, August 14, 2025

Live Fire: Drone Ignition Training

Mike Melnechuk, Fire Manager, AR-TNC
Cameron Tatum, Field Biologist/Burn Boss, AGFC

Time	Topic	Description
0730-0800	Breakfast	At Main Lodge
0800-0830	Safety Briefing	Safety Tips, Drone Inspection, Checking Batteries, and Keeping Firmware up to date
0830-1630	Live Fire Teams	Students will break into 4 teams and work with cadre to understand safety, setup, ignitions, documenting, and cleanup *Lunches will be sack lunches in the field
1630-1700	Imagery	Downloading and saving drone imagery. Fill out the survey and answer, "If technology could help you solve any problem in conservation, what would it be?"
1700	Dinner	At Main Lodge
1800	Study Session	Study section for Part 107 <i>test prep optional</i>



By Clint Harris/TNC

Friday, August 15, 2025

Live Fire: Drone Ignition Training

Mike Melnechuk, Fire Manager, AR-TNC
Cameron Tatum, Field Biologist/Burn Boss, AGFC

Time	Topic	Description
0730-0800	Breakfast	At Main Lodge
0800-0830	Safety Briefing	Safety Tips, Drone Inspection, Checking Batteries, and Keeping Firmware up to date
0830-1630	Live Fire Teams	Students will break into 4 teams and work with cadre to understand safety, setup, ignitions, documenting, and cleanup *Lunches will be sack lunches in the field
1630-1700	Dismissed	Travel back to Little Rock, AR

Saturday, August 16, 2025
Carpool to LIT for departure flights.