

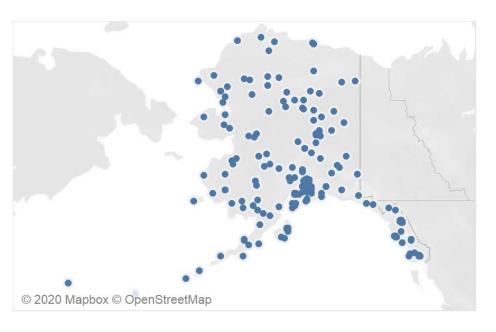
Total Flights

613

Total Flights Hours

917.6



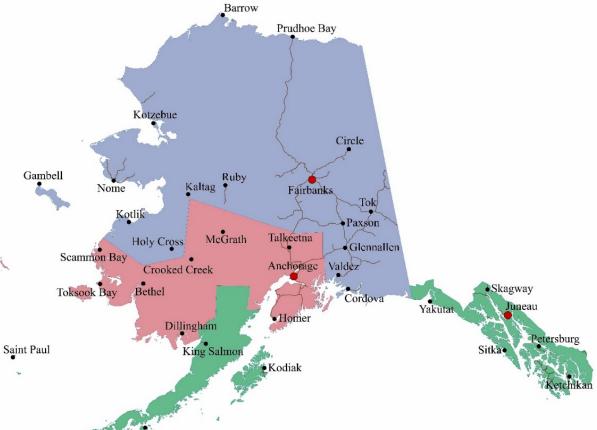


Top Aircraft

Aircraft Name	
DJI Mavic 2 Pro	31.97%
GoPro Karma	16.64%
Unknown	11.09%
DJI Mavic Air	7.34%
DJI Phantom 4	5.55%
DJI Mavic Mini	4.08%
DJI Phantom 4 Pro	4.08%
DJI Inspire 2	3.43%
DJI Mavic Pro	3.26%
DJI Mavic Air 2	2.61%
DJI Mavic 2 Zoom	2.45%
Other Multirotor < 55 pounds	1.63%



DOT&PF **UAS: 35 Pilots: 37**

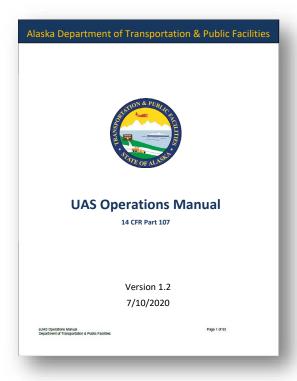




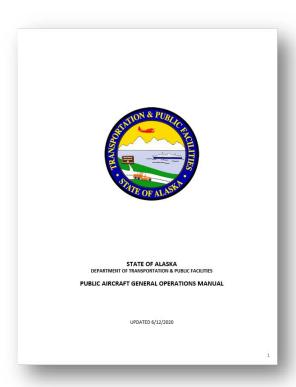


DOT&PF Operations Manuals





PART 107 COMMERCIAL

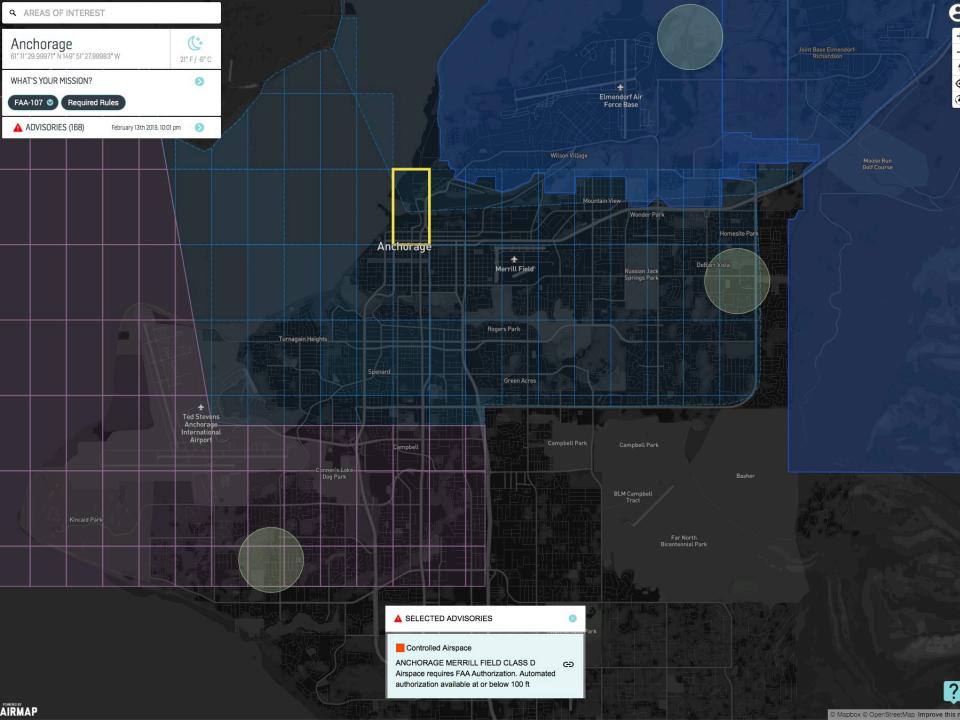


TITLE 49 PUBLIC





Upper Limit Undefined CLASS E FL 600 **CLASS A** 18,000 MSL **CLASS E** 14,500 MSL **CLASS B** Needs Waiver above 400ft **CLASS C** CLASSD **CLASS E** Air traffic authorization 1,200 AGL 1,200 AGL 1,200 AGL Surface Area required 700 AGL 700 AGL 700 AGL 700 AGL 本 Air traffic authorization **CLASS G** CLASS G **CLASS G** Air traffic Air traffic authorization required authorization 400 AGL 400 AGL 400 AGL * required **Above Ground Level** AGL **Class E Surface Extension Flight Level** FL **Federal Aviation Airspace Guidance for Small UAS Operators** Mean Sea Level MSL Administration



L.A.A.N.C.

Low Altitude Authorization Notification Capability

Create Flight

View Advisories

Add Mission Details















(Survey Instrument Lab)





Ebee X Phantom 4 RTK





Small Areas

Medium Areas

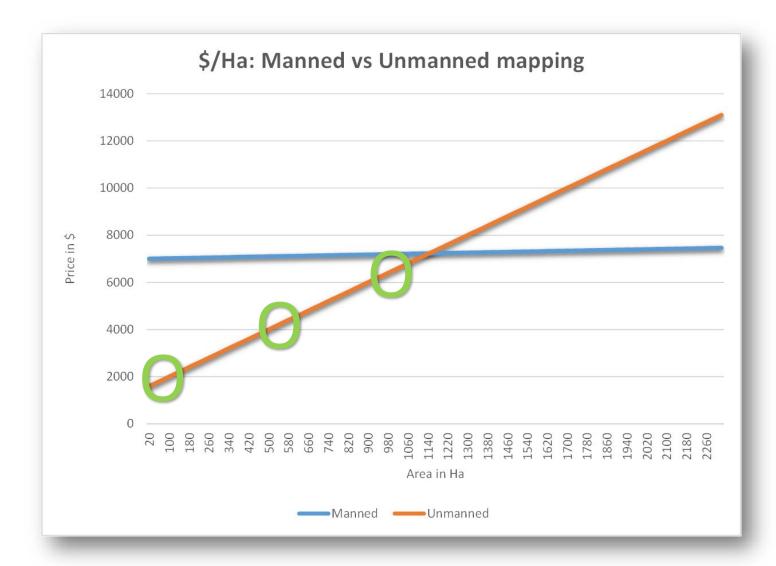
Large Areas

sUAS

Heavy lift

Fixed Wing









Small Areas





Medium Areas

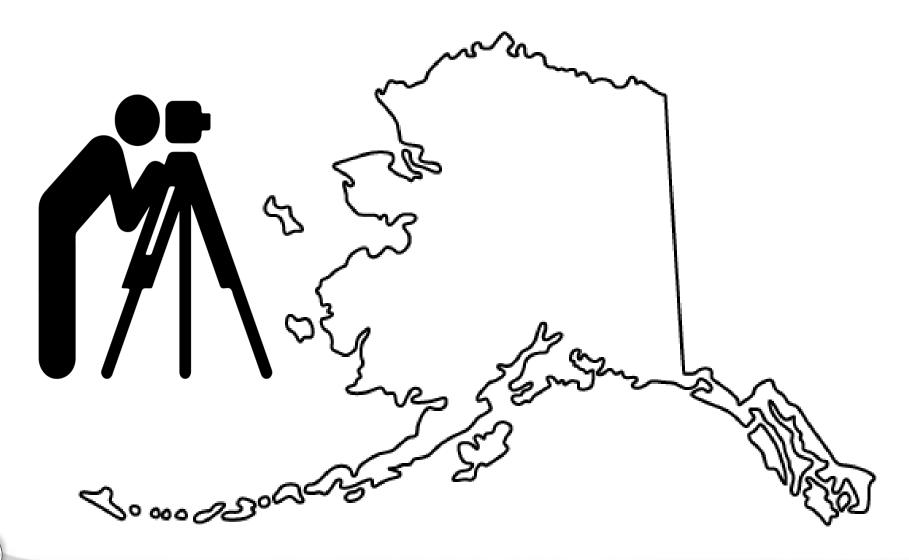




Large Areas



ARE YOU PROFESSIONALLISENCED TO PRACTICE LAND SURVEYING IN ALASKA?

















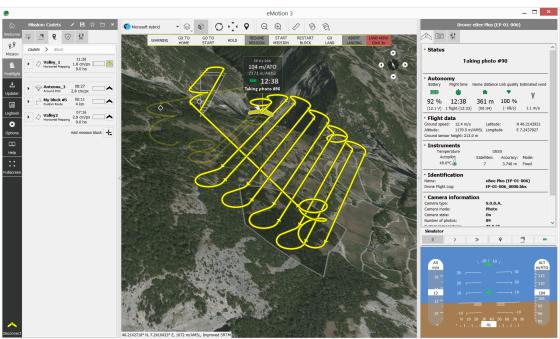


Best for 2D maps

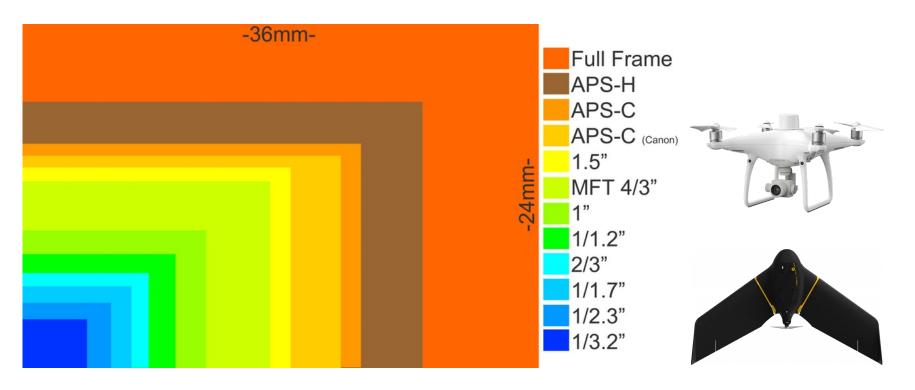
Best for 3D models

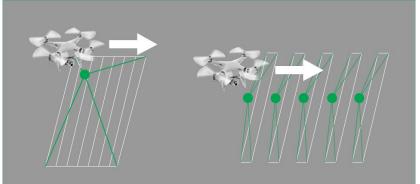
Best for single 3D models

For advanced users



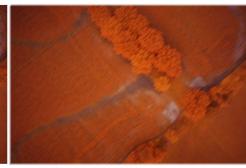








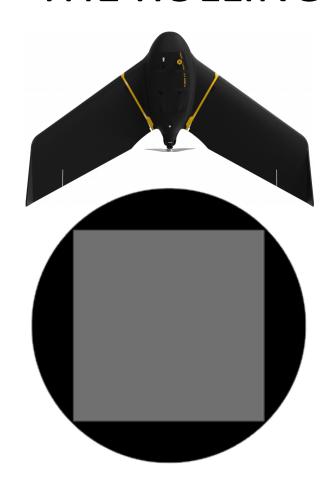




Motion blur



THE ROLLING SHUTTER EFFECT



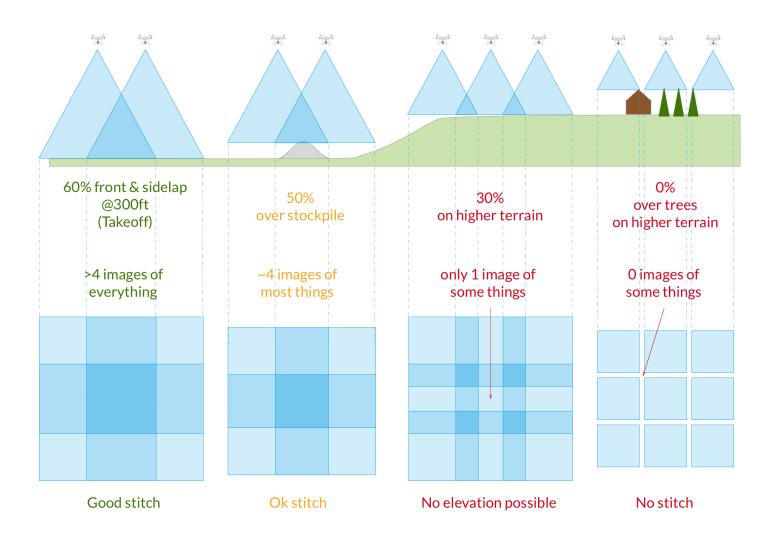
GLOBAL SHUTTER
32 MPH



ROLLING SHUTTER 17 MPH

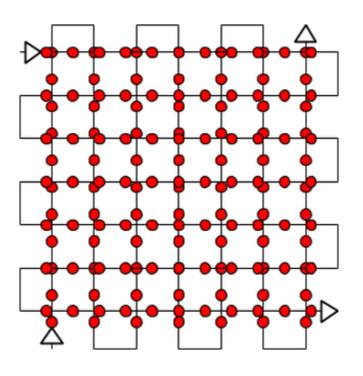


Imagery Overlap



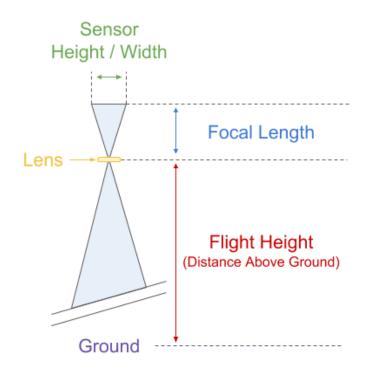






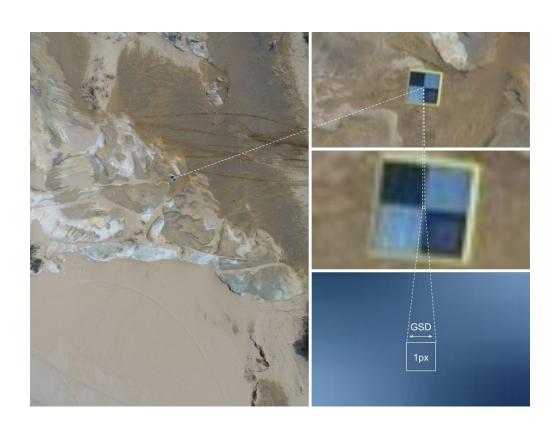


Ground Sampling Distance



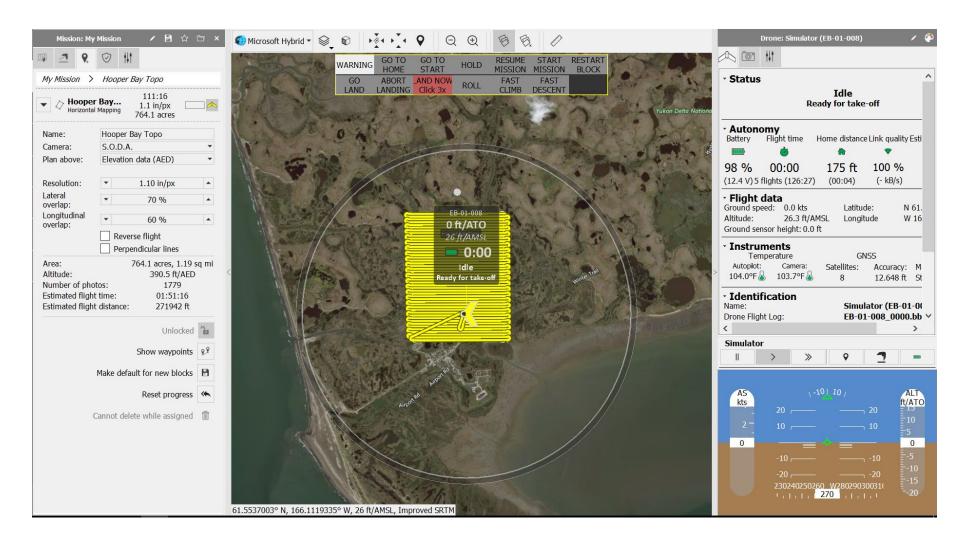
Phantom RTK

Image Width **5472**px Image Height **3648**px Sensor Width **13.2**mm Sensor Height **8**mm Focal Length **8.8**mm



GSD = 1.32 in/px

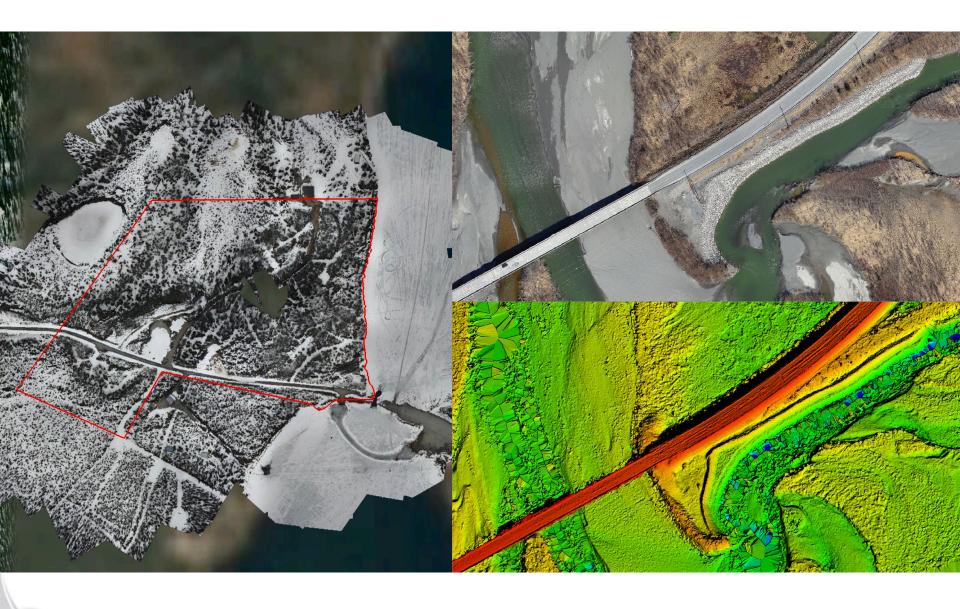




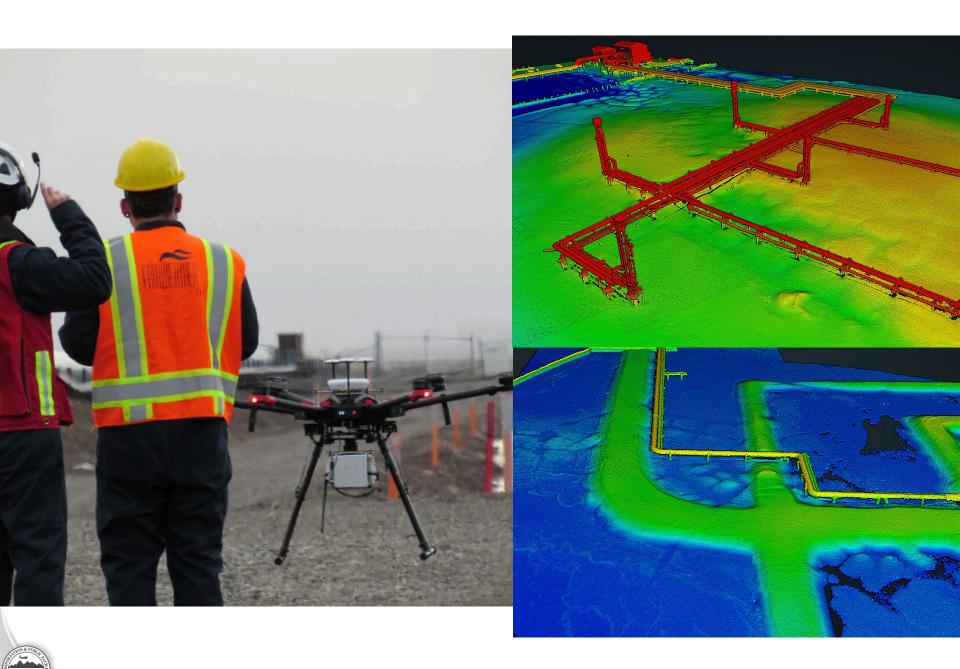




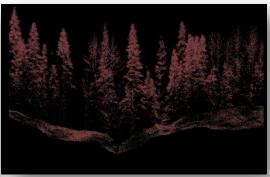


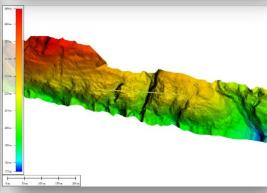






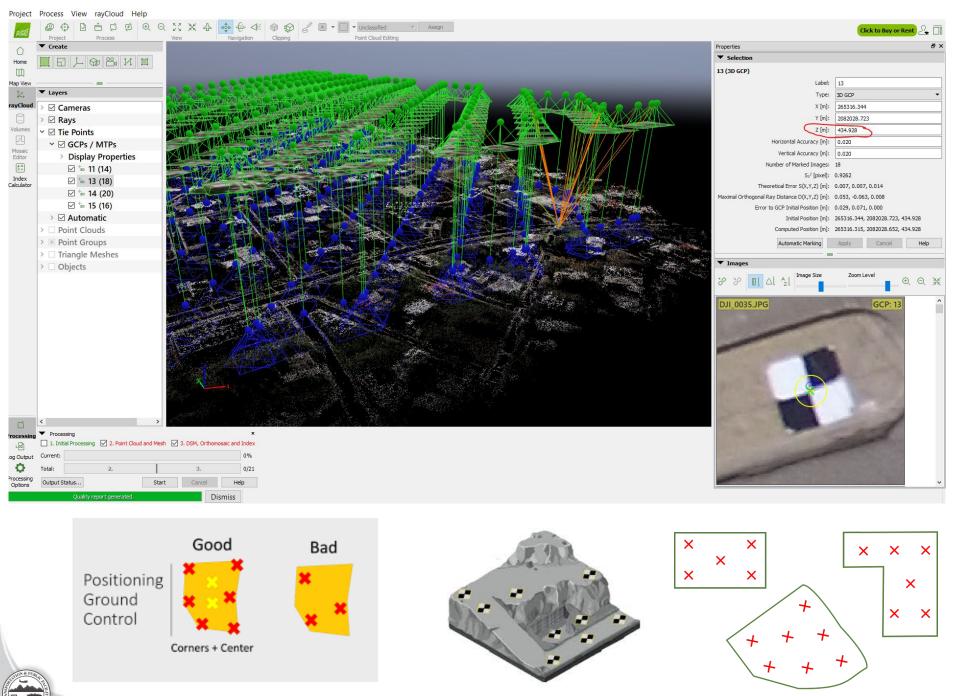


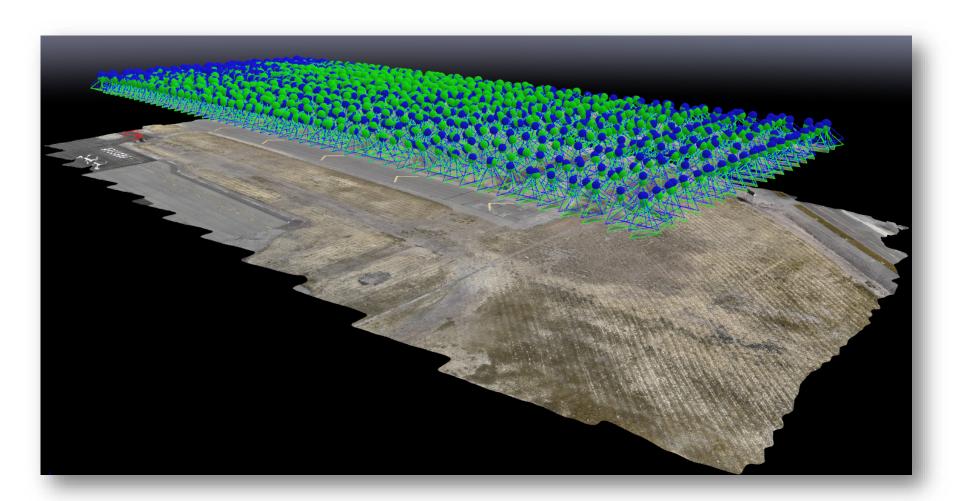
















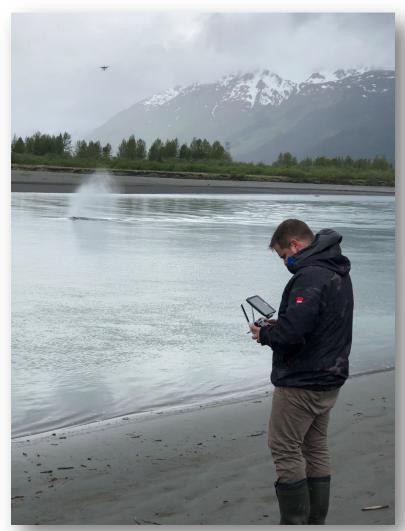




















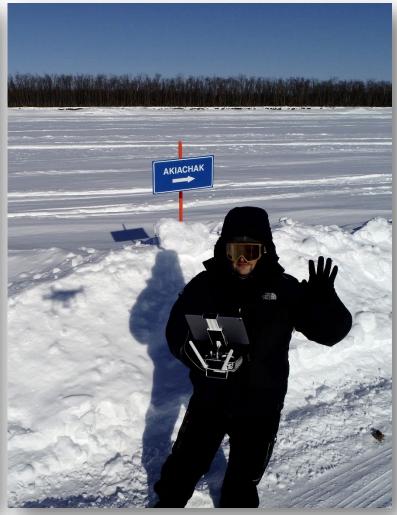




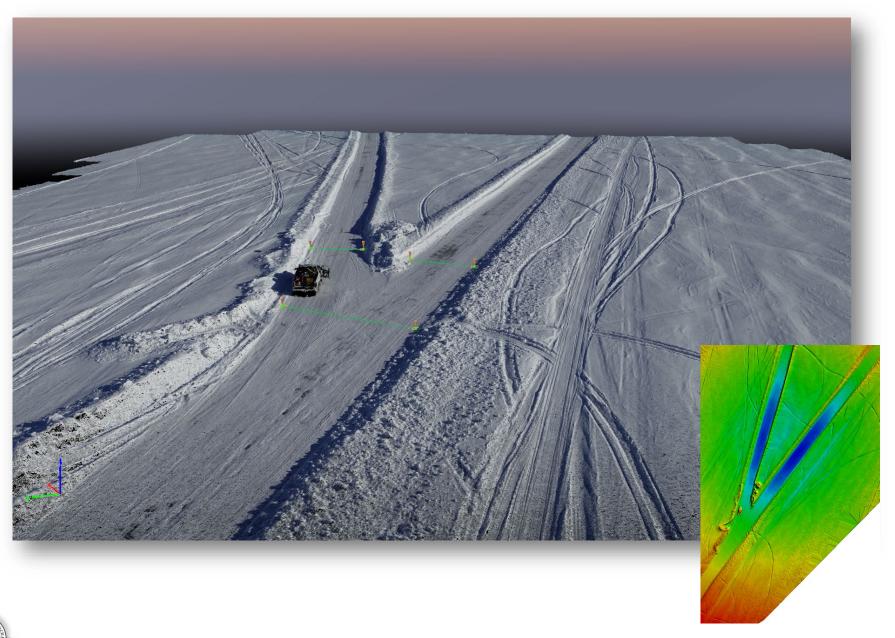










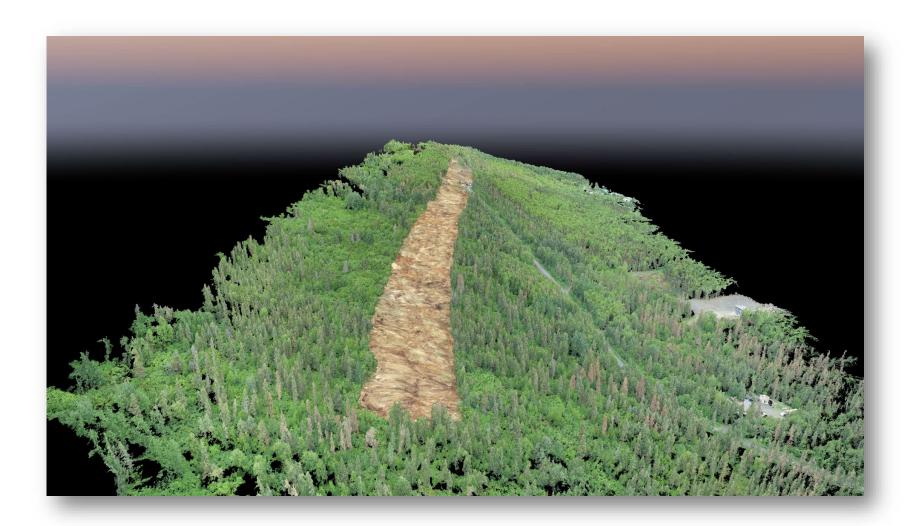




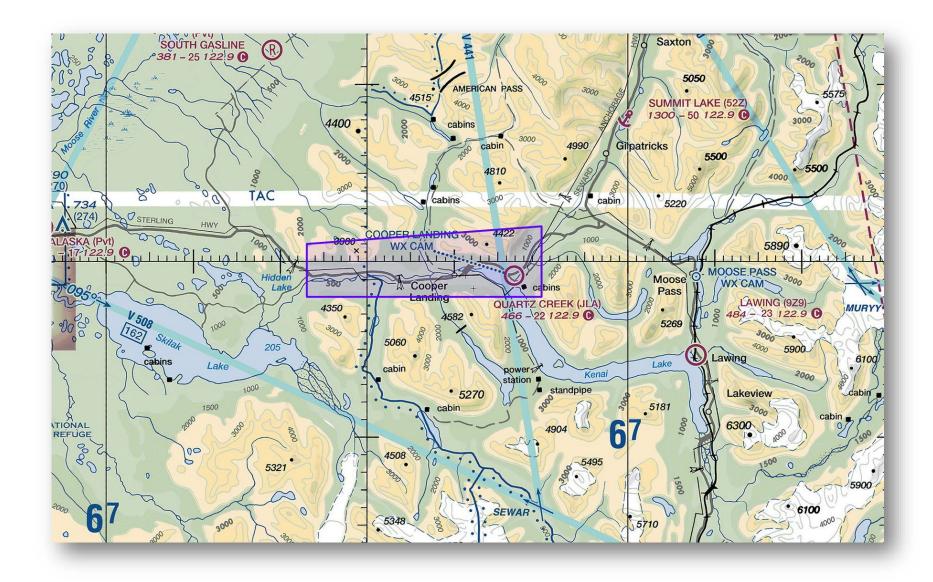














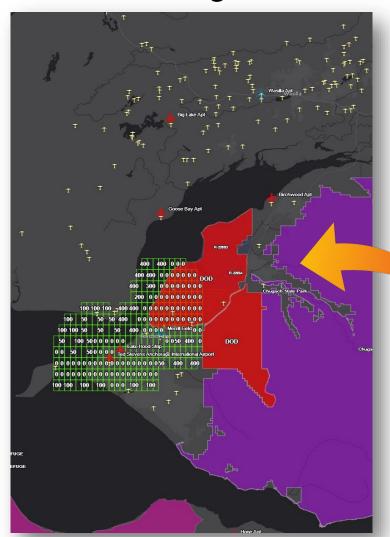




September 18th 9 AM- 4 PM



dot.alaska.gov/uas/





You are here: DOT&PF > Unmanned Aircraft Systems

UNMANNED AIRCRAFT SYSTEMS (UAS)

Whether you're a new pilot or have years of experience, rules and safety tips exist to help you fly safely in the State of Alaska. To get started, be sure to select which type of user you are and find out what rules and regulations apply to your specific situation. Alaska DOT&PF has the authority to implement and manage regulations pertaining to state laws concerning unmanned aircraft operations within the state.



Click on one of the categories below to find out what is required before you can operate in Alaska.







Recreational User

Commercial Operator

Public Operator

UAS Airspace Alerts and Restrictions Map











In order to fly your drone under the FAA's Small UAS Rule (Part 107), you must obtain a Remote Pilot Certificate.

Get your Part 107
Today

UAS Program Coordinator

Ryan Marlow

- 9 4111 Aviation Ave., Anchorage, AK 99519
- **(907) 269-0741**
- ryan.marlow@alaska.gov

Quick Resources:

- FAA UAS Facility Map Dashboard LAANC
- Know Before you Fly FAA APP
- ☑ UAS Integration Pilot Program
- Best Practices UAS Safety Guidelines 6.5MB
- ☑ Alaska Center for Unmanned Aircraft Systems
- FAA Drones & Wildfires Digital Toolkit
- Q Acronyms







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8/12/2020 4