



TRUCKEE TAHOE AIRPORT DISTRICT

ACAT STAFF REPORT

AGENDA TITLE: Emergency Landing Options at KTRK

MEETING DATE: June 11, 2019

PREPARED BY: David Diamond, ACAT Member

An engine failure just after takeoff gives a single-engine pilot only seconds to choose the best course of action. The first of those seconds are spent trying to diagnose the problem and restart the engine. If the engine won't restart, the pilot must decide where to land the plane.

The best off-airport landing spots are those that permit the pilot to land with no injuries to those onboard the aircraft or on the ground, minimal or no damage to property, and no adverse environmental impact, such as fire.

The airport should identify and verify emergency landing locations off each of the runways. We should determine the sizes of those locations, and we should provide maps for pilots to study, as we do with noise abatement now.

We are making no recommendations. We are simply showing the results of research into physical spaces. Pilots must make their own decisions with regard to actions taken.

Based on the information we collect, we can:

- Provide maps of the surveyed locations
- Provide aerial photographs and video footage that shows the surveyed locations
- Conduct pilot seminars about emergency options at KTRK

In providing this information, we:

- Greatly improve a the chances of a safe outcome after an emergency
- Encourage pilots to depart on runways that offer the best options (which are coincidentally expected to be those that offer the least annoyance)