



AGENDA ITEM: _____

MEETING DATE: December 02, 2015
TO: Board of Directors
FROM: Michael Cooke, Manager of Aviation and Community Services
SUBJECT: October 2015 Comments Report & Outreach Memo

This report summarizes community annoyance comments and outreach efforts for October, 2015. While the comments information and track data is accurate, operations numbers are preliminary. Full analysis of operations numbers is done for the Quarterly Operations and Comment Report and at year end.

Operations and Weather:

Mild weather prevailed during October with the only encumbrance to air travel being morning fog on 15 of 31 days and a few periods of strong winds and low visibility. Precipitation was low at .26 inches for the month. The wind charts have been omitted since there were only a handful of days with winds gusting beyond 20 mph. One day, the 17th, saw IMC for extended periods which was associated to 2 comments from Olympic Heights.

Preliminary numbers show an increase in operations of about 13% or 239 total operations over October 2014. Community annoyance comments for the month rose about 25% or 6 total comments over October 2014.

Community Annoyance Comments Summary:

Comments grew 25% over October 2014, but as compared to months during the 3rd quarter, the comment volumes were significantly lower: 30 total comments for October 2015.

					Olympic		Sierra	Tahoe	
	Alder	Glenshire	Martis	Northstar	Heights	Prosser	Meadows	Donner	Total
Helo						1		1	2
Jet	1			1	3	1	1	2	9
Piston		1	1		5	1	1	3	12
Turboprop		2			4			1	7
Total	1	3	1	1	12	3	2	7	30

There were 2 new commenters for the month: a Sierra Meadows resident and TTAD staffer concerned about a 10:15 PM departure and a Prosser Heights resident concerned over a Truck Four departure. The remaining comments came from previous commenters.

Comments by Type, Operation, Runway and Day:

There were no major travel-related holidays in October save Columbus Day which saw a bump in activity versus other weekends in the month. Piston aircraft represented the largest segment of operations for traffic with 56% of the overall volume.

Piston aircraft also generated the highest percentage of overall comments with 12 of 30 and the largest contributing residential zone to comments about Piston aircraft was Olympic Heights with concerns over departures from 29 flying too far east of the Bypass Bridge. 19 of 30 comments were linked to Runway 29 operations, 16 were departures.

15 operations were determined by staff to be non-compliant with published Noise Abatement Procedures. The bulk of non-compliant procedures were overflights of the Olympic Heights residential area on departure from 29. 2 were in actual IMC on the Truck Four Instrument Departure; pilots departing in IMC were not contacted. Tahoe Donner was the second most commenting residential area with 7 of 30 comments for the month and those split between 11 arrivals and 29 departures.

Night Operations:

October had 16 non-EMS operation between 10 PM and 7 AM. 6 were between 10 and 10:15 PM and 8 were between 6:39 and 6:59 AM. 1 operation was preapproved from Runway 02 to avoid weather enroute. There was one operation resulting in a Fly Quiet incentive violation which may result in cancelation of the incentives pending the 30 day reply period.

Outreach Summary:

30 comments came from 15 households representing 8 nearby residential areas. 4 commenters made 19 comments. 2 Olympic Heights residents sent 12 combined. 11 residents made one comment. Efforts were made via email or phone calls to reach out to all commenters who made 30 comments for October.

15 comments were associated with non-compliant operations. Pilot outreach for 16 comments, including all non-incentivized operations between 10 PM and 7 AM, and any concerns over safety of flight or unusual activity that occurred during the month. 1 operation was associated with Touch and Go operations, none were attributed to the local training aircraft. Staff met with the operator on the ramp to discuss training strategies.

Preliminary Operations and Comment for October 2015:

Type	Total	% of Total	Comments	Ops/Comment
HELICOPTER	86	4%	2	43
JET	209	10%	9	26
PISTON	1411	68%	12	118
Single*	1326			
Twin*	87			
TURBOPROP	362	18%	7	52
TOTAL	2068		30	69

October 2015 track images with synopsis follow. 2 Jet operations generated multiple comments during October. 1 Piston operation generated multiple comments. Those track images have been combined for each operation.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19877

COMPLAINT TYPE: Loud Disturbance

OPERATION TYPE: Departure

RUNWAY: 29

A/C TYPE: BE36

DATE AND TIME: Oct 02 2015, 10:18 PM

POINT OF CLOSEST APPROACH(PCA): 0.46 nm

ALTITUDE AT PCA: 7000 ft

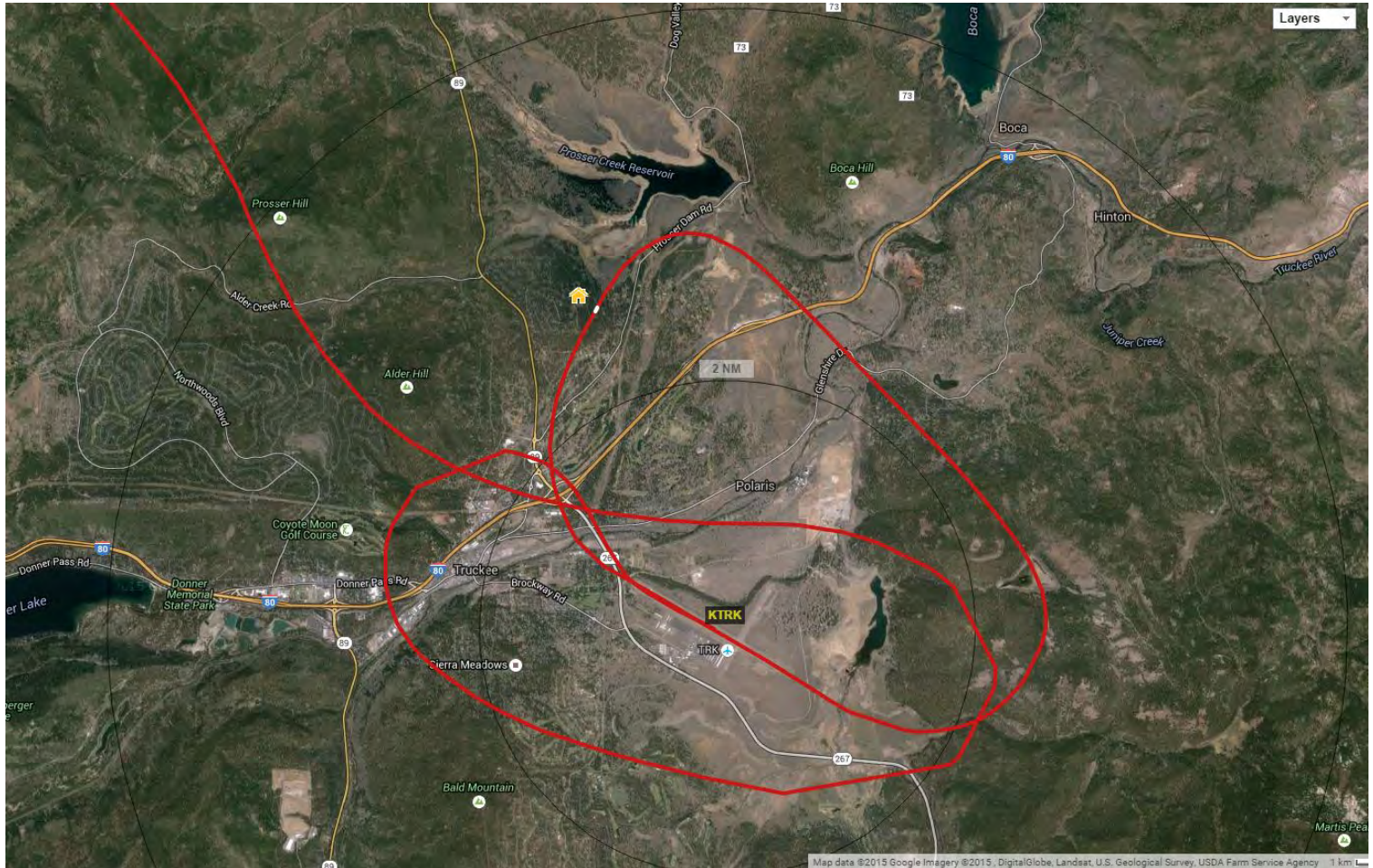


10:18 PM Bypass departure over I-80. Commenter, a TTAD employee, was disturbed by the time of the operation. Staff spoke to operator who apologized and said he would try to curtail his departures to before 10 PM. Work ran late on this day according to the PIC.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19893
COMPLAINT TYPE: Low
OPERATION TYPE: Arrival
RUNWAY: 11
A/C TYPE: G280

DATE AND TIME: Oct 03 2015, 10:01 AM
POINT OF CLOSEST APPROACH(PCA): 0.14 nm
ALTITUDE AT PCA: 6700 ft



A Gulfstream G280 set up for 11. A VFR target was on base and turned final while and landed at 09:54 while G280 was about 1 mile out. The Gulfstream made a right 360 pattern at 8,000' msl and came back around to land on 11. For whatever reason the landing was aborted, and the aircraft departed making left crosswind to the north and over Prosser Res. The jet came back in and flew over Prosser Lakeview Estates on the way back in. PCA over commenter location was 6,700'.

Staff called operator and spoke with chief pilot and eventually with the crew at a later date. The crew was new to the airfield and went missed on 11 because the approach speed was off. Crew and Chief pilot were all receptive to NAPs and any options they could employ for future ops to reduce impacts. This operation generated 2 comments, one from Sierra Meadows as well as this one from Prosser Lakeview.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19875

COMPLAINT TYPE: Loud Disturbance

OPERATION TYPE: Departure

RUNWAY: 29

A/C TYPE: C210

DATE AND TIME: Oct 04 2015, 12:42 PM

POINT OF CLOSEST APPROACH(PCA): 0.01 nm

ALTITUDE AT PCA: 6900 ft



C210 made a 29 straight out departure. This would not have likely made a difference in terms of this commenter's annoyance, but staff made pilot outreach to promote the NAP's. PIC was a one-time visitor in town for a race at Squaw. Not familiar w area but was agreeable to follow NAPs if he returns. He said he was just trying to fly a path to avoid clouds and mountains.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19874

COMPLAINT TYPE: Off Course

OPERATION TYPE: Departure

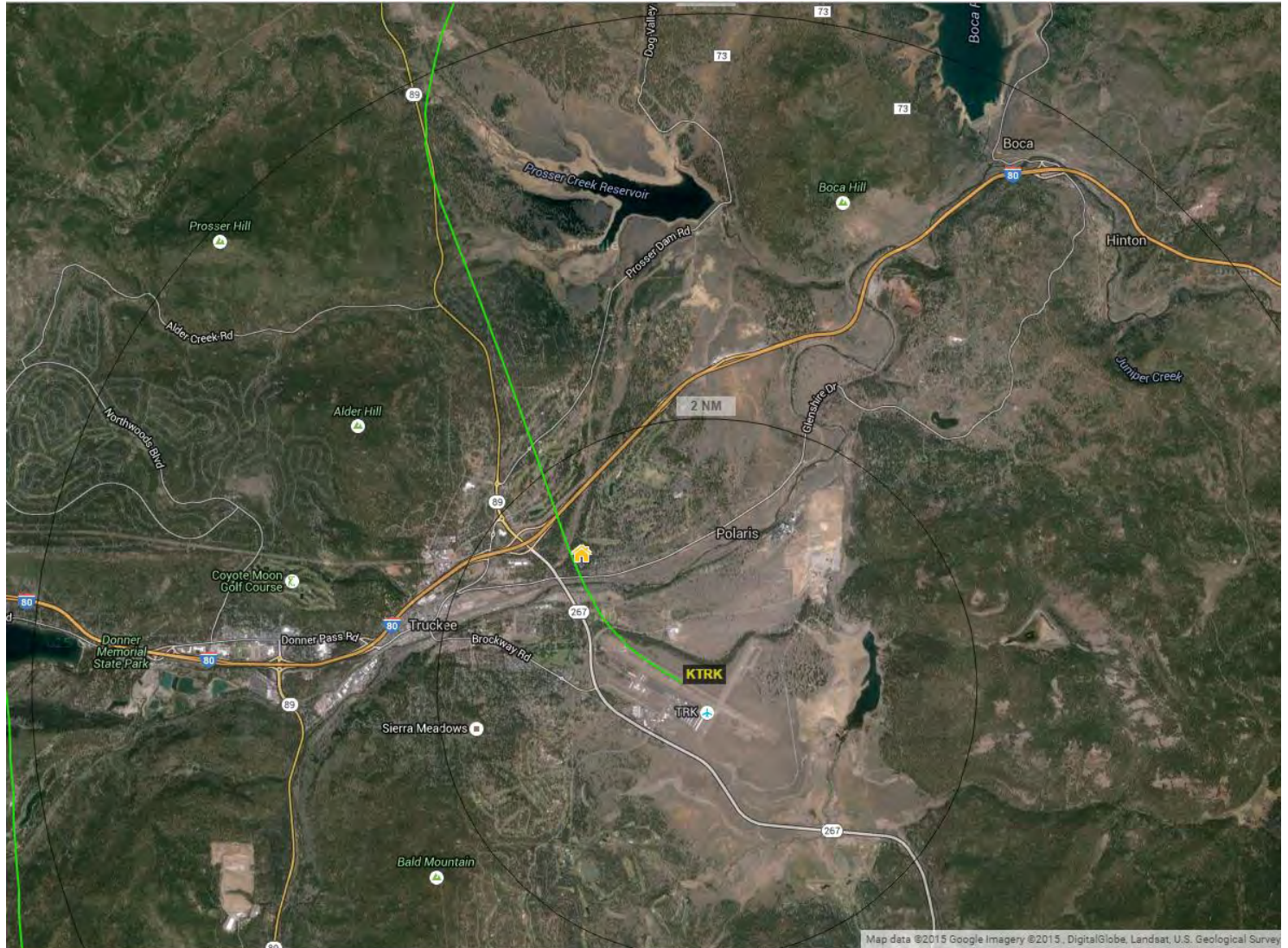
RUNWAY: 29

A/C TYPE: E55P

DATE AND TIME: Oct 03 2015, 03:12 PM

POINT OF CLOSEST APPROACH(PCA): .1 nm EST

ALTITUDE AT PCA: 7,400 ft



Truck Four Departure just over the west end of Olympic Heights. Emailed operator and requested Bypass overflight during VFR conditions.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19909
COMPLAINT TYPE: Low
OPERATION TYPE: Arrival
RUNWAY: 11
A/C TYPE: PC12

DATE AND TIME: Oct 09 2015, 10:38 AM
POINT OF CLOSEST APPROACH(PCA): 0.08 nm
ALTITUDE AT PCA: 7200 ft



PC12 on a visual arrival to Runway 11 at approximately 800' AGL at PCA. While visual arrivals to 11 are a grey area as far as compliance, staff spoke to the pilot about this operation. Although the commenter was willing and eager to reduce impacts to neighboring communities he did state, "When you feel like you are being watched, it makes you nervous and more likely to make a mistake."

Commenter in Tahoe Donner stated the aircraft "Landing, VERY VERY low over-head"

NOISE COMPLAINT REPORT

COMPLAINT ID: 19954

COMPLAINT TYPE: Low

OPERATION TYPE: Departure

RUNWAY: 29

A/C TYPE: C510

DATE AND TIME: Oct 10 2015, 11:24 AM

POINT OF CLOSEST APPROACH(PCA): .01 nm

ALTITUDE AT PCA: 700 ft EST



Comment: "almost knocked me off my ladder when he went by"
C510 29 Bypass Departure with right turn out too early. Estimated PCA was 700'agl
Staff called operator.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19953

COMPLAINT TYPE: Loud Disturbance

OPERATION TYPE: Arrival

RUNWAY: 11

A/C TYPE: C750

DATE AND TIME: Oct 11 2015, 08:38 AM

POINT OF CLOSEST APPROACH(PCA): 1.59 nm

ALTITUDE AT PCA: 0 ft



Visual Arrival 11. This generated 2 comments, 1 in Tahoe Donner and 1 in Northstar

Comment (Northstar): "Very Loud, Reverberated" house

Staff Comment: Very unusual for 11 Arrival to affect Northstar resident. The only aircraft that matches the time of comment was a C750 and the time matches exactly.

Thrust Reversers appear to have generated the comments.

Emailed operator.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19976

COMPLAINT TYPE:

OPERATION TYPE: Departure

RUNWAY: 29

A/C TYPE: PC12

DATE AND TIME: Oct 11 2015, 01:35 PM

POINT OF CLOSEST APPROACH(PCA): 0.02 nm

ALTITUDE AT PCA: 6400 ft



29 Departure, made a hard right over the neighborhood of Olympic Heights. Staff made Outreach to the operator via email. Comment::3 loud, low flying planes flying over Olympic Heights at 1:35 pm, 1:55 pm and 2:26 pm on Sunday, 10/11."

NOISE COMPLAINT REPORT

COMPLAINT ID: 19977

COMPLAINT TYPE: Off Course

OPERATION TYPE: Departure

RUNWAY: 29

A/C TYPE: PA34

DATE AND TIME: Oct 11 2015, 01:55 PM

POINT OF CLOSEST APPROACH(PCA): 0.1 nm

ALTITUDE AT PCA: 6800 ft



Piper Seneca PA34 departing 29 and overflew Olympic Heights.
2 Comments from Olympic Heights.
Staff mailed letter.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19959

COMPLAINT TYPE: Off Course

OPERATION TYPE: Departure

RUNWAY: 29

A/C TYPE: AEST

DATE AND TIME: Oct 11 2015, 14:26 PM

POINT OF CLOSEST APPROACH(PCA): 0.1 nm

ALTITUDE AT PCA: 6800 ft



Aerostar Bypass Departure too far east. Staff mailed letter.

NOISE COMPLAINT REPORT

COMPLAINT ID: 19975

COMPLAINT TYPE: Off Course

OPERATION TYPE: Departure

RUNWAY: 29

A/C TYPE: PC12

DATE AND TIME: Oct 13 2015, 11:11 AM

POINT OF CLOSEST APPROACH(PCA): 0.02 nm

ALTITUDE AT PCA: 6900 ft



Pilatus PC12 Departed Runway 29 on the Bypass Departure. Aircraft overflowed the western end of Olympic Heights and staff called the operator.

NOISE COMPLAINT REPORT

COMPLAINT ID: 20026

COMPLAINT TYPE: Low

OPERATION TYPE: Departure

RUNWAY: 29

A/C TYPE: PC12

DATE AND TIME: Oct 17 2015, 03:07 PM

POINT OF CLOSEST APPROACH(PCA): 0.06 nm

ALTITUDE AT PCA: 6700 ft



PC12 departure from Runway 29 on Truck Four. Staff did not make outreach: IMC

NOISE COMPLAINT REPORT

COMPLAINT ID: 20114

COMPLAINT TYPE: Off Course

OPERATION TYPE: Departure

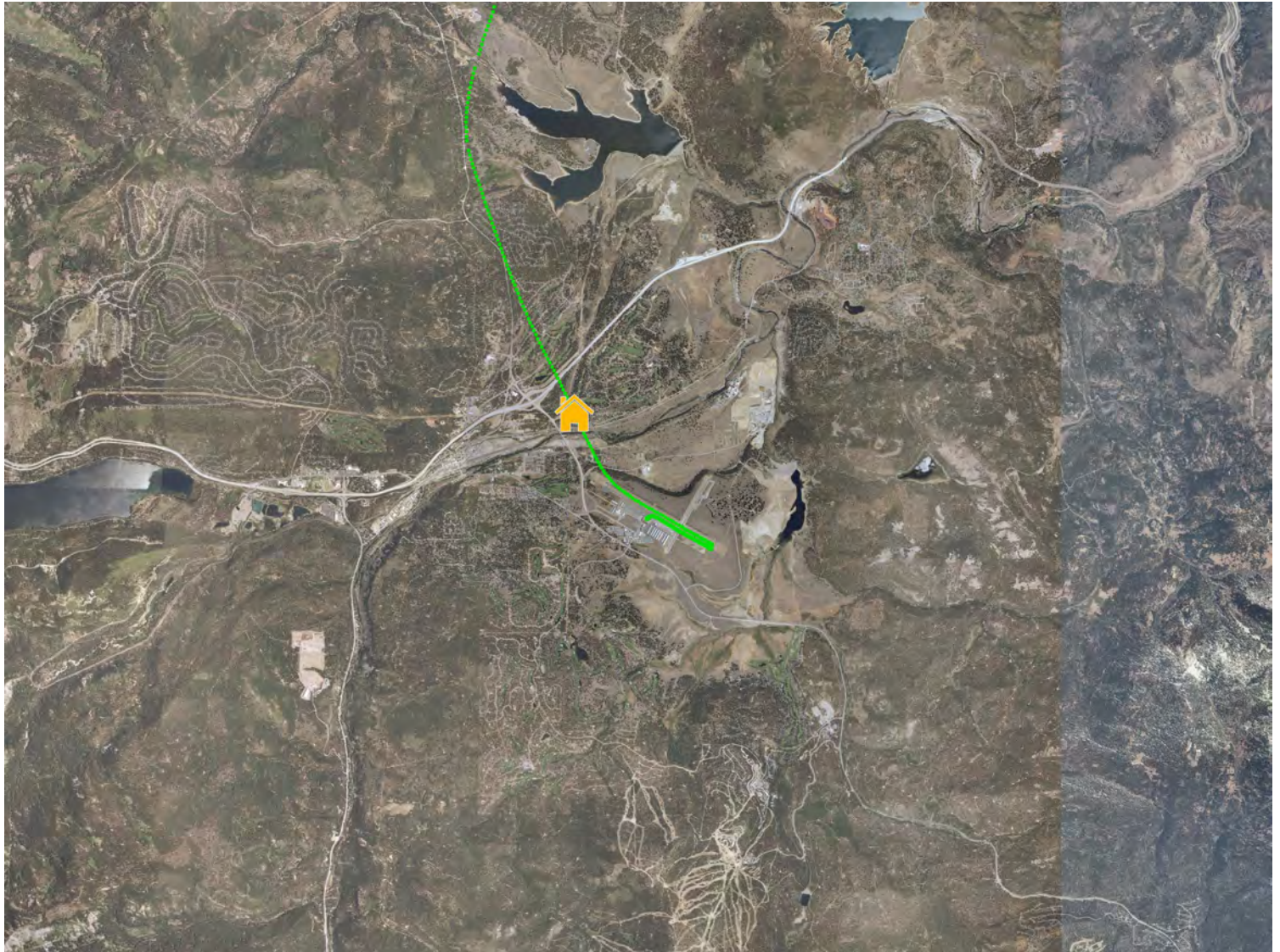
RUNWAY: 29

A/C TYPE: PC12

DATE AND TIME: Oct 17 2015, 05:05 PM

POINT OF CLOSEST APPROACH(PCA): 0.01 nm

ALTITUDE AT PCA: 6800 ft



Pilatus PC12 Departure from 29.

IMC all day light rain to rain with mist all day. Truck Four departure. Staff did not make outreach: IMC.