

USDA Forest Service

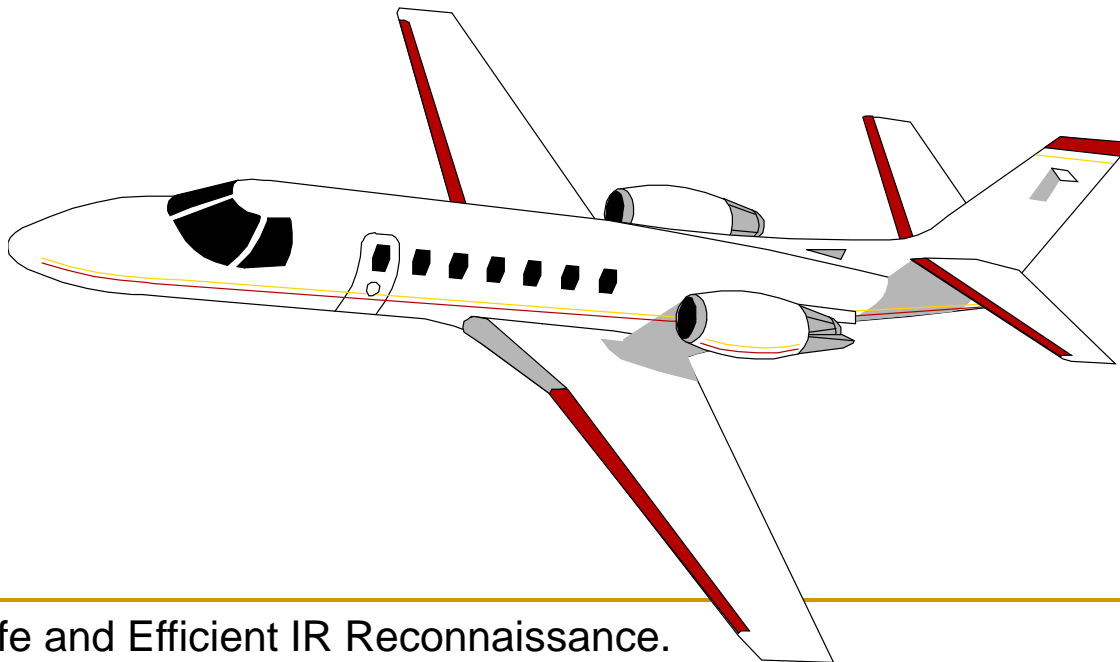
Caring for the land and serving people



Fire & Aviation Management



2012 INFRARED OPERATIONS REVIEW



Providing Safe and Efficient IR Reconnaissance.

Fire & Aviation Management

2012 INFRARED OPERATIONS

March to November



Fire & Aviation Management

FIRST FIRE FLOWN:

Lower North Fork Fire Colorado;
March 28



Fire & Aviation Management

LAST FIRE FLOWN:

Vallecito Colorado; November 05-?



Fire & Aviation Management

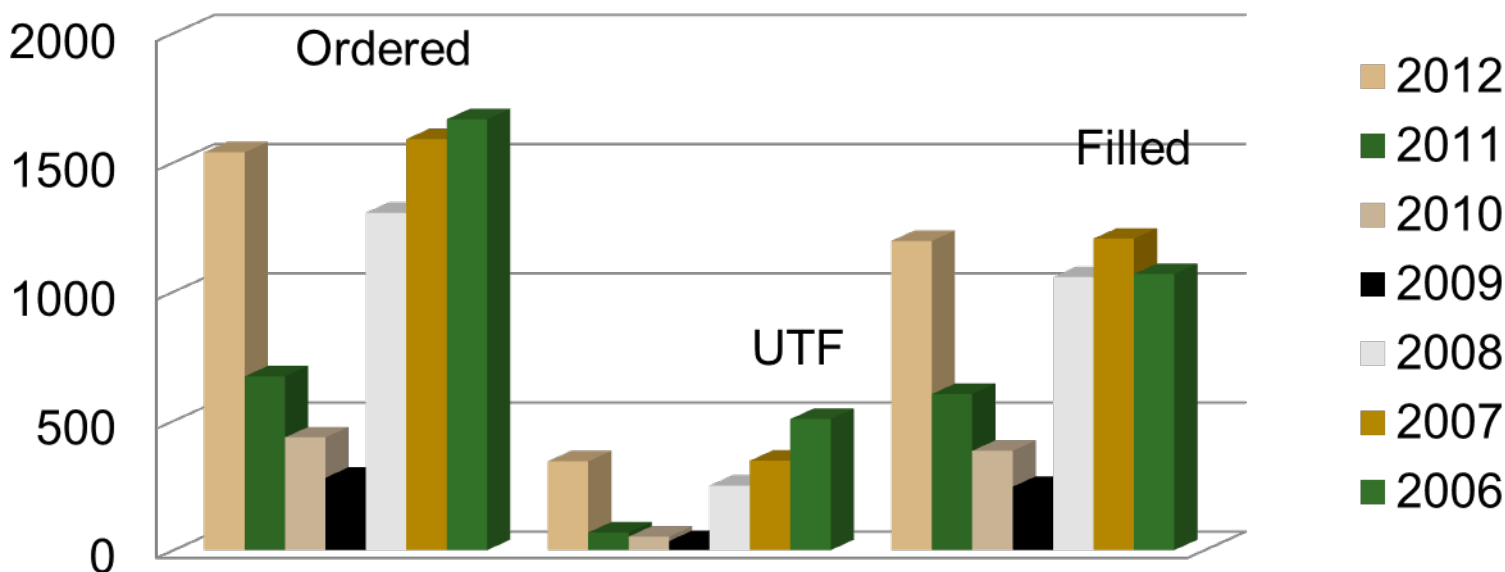
2012 IR TRIVIA:

- Number of Different States Flown in 1 Night: 4
- Number of Different Fires/Complexes Flown in 1 Night: 15
- Largest Fire White Water – Baldy / Mustang 273,441
- Longest Duration Flight 7.2 hours NM to UT
- Most Northern IR Operation: Washington
- Most Eastern IR Operation: Nebraska
- States Flown During 2012 Fire Season:
 - AZ, CA, CO, ID, MT, NB, ND, NM, OR, TX, UT, WA, WY,
- Total Combined Flight Hours – 1110
- Above Average Fire Season

Fire & Aviation Management

2006 - 12 & Comparison filled:
Total Number 2012 (1196) (343)

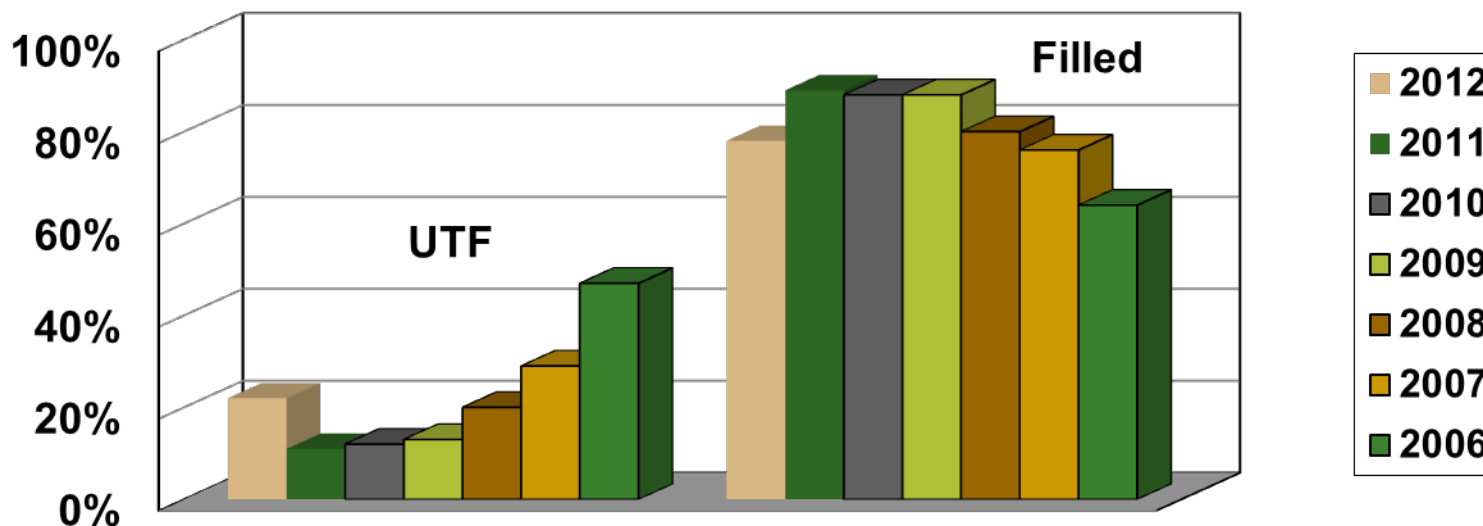
IR requests Covered by 44z & 49z



Fire & Aviation Management

2006 - 12 & Comparison Percentage filled:

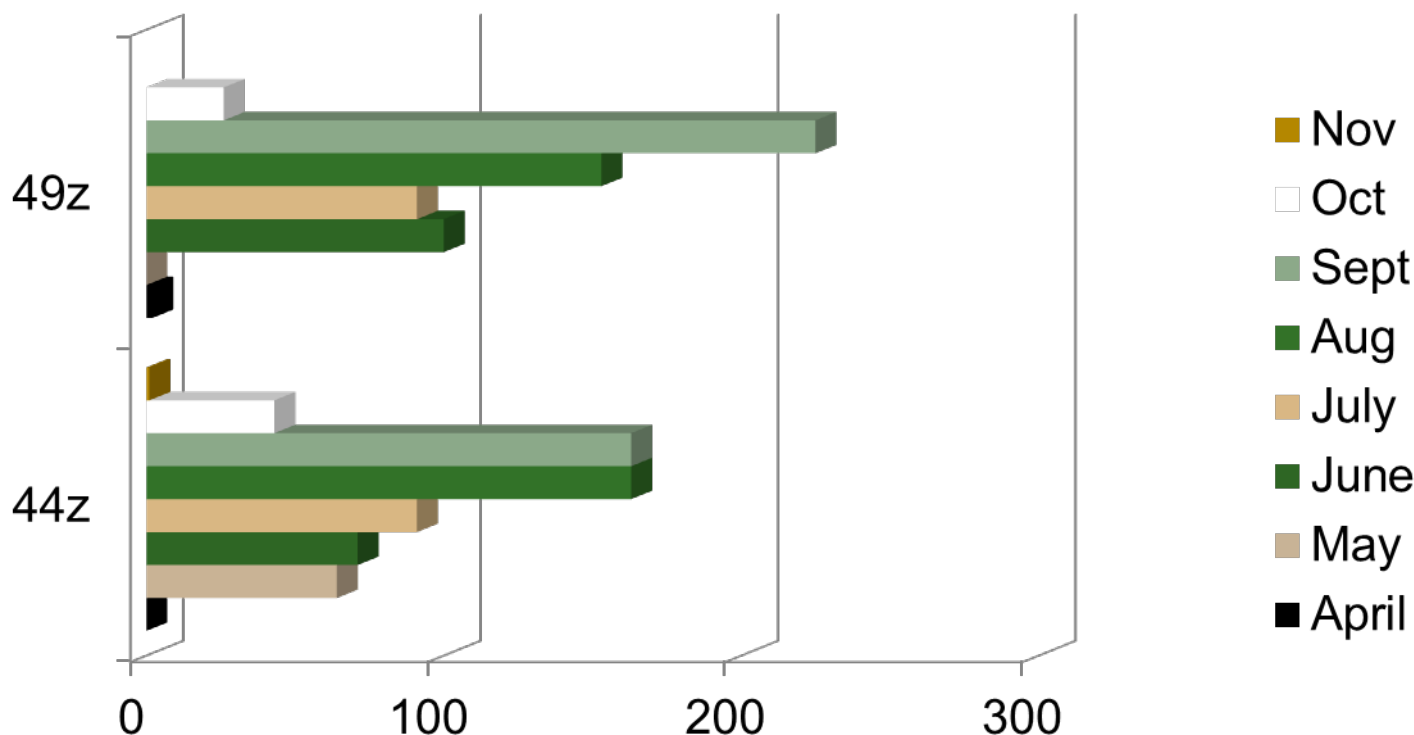
IR requests Covered by 44z & 49z



Fire & Aviation Management

2012 ORDERS:

Distribution per Aircraft



N149Z 2012 STATISTICS



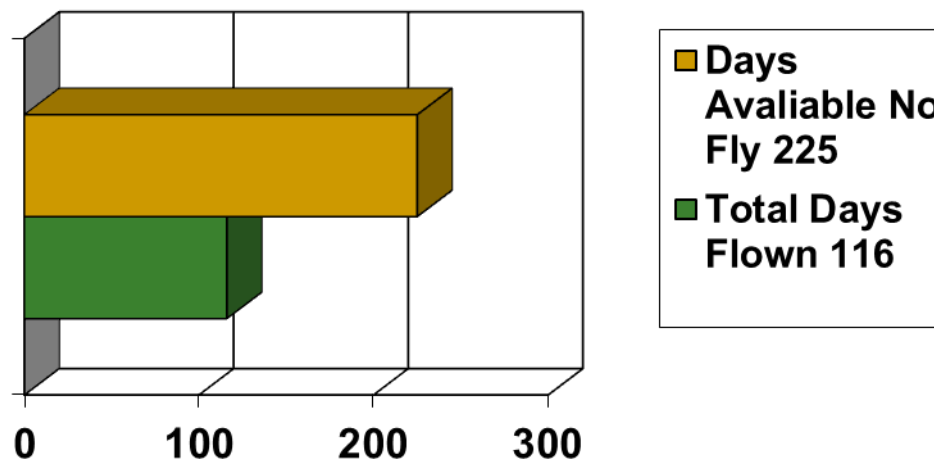
Fire & Aviation Management

N149Z:

Hours Flown – 568

Total Aircraft Operating Cost - \$568,7000.00

2012 Aircraft Use

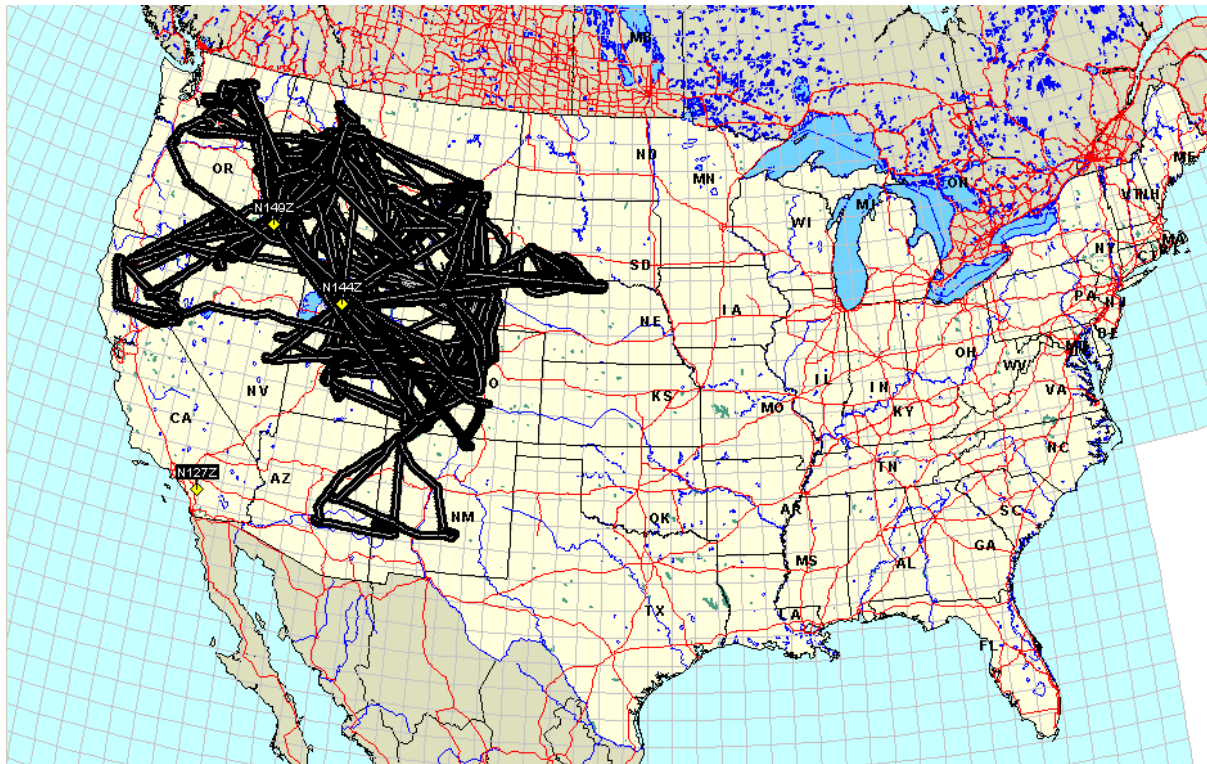


Aircraft Hourly Flight Rate 2012: \$1000.00

Aircraft Hourly Flight Rate 2013 Projected: **\$1000.00**

Fire & Aviation Management

Automated Flight Following History 49z March to November



Fire & Aviation Management

N149Z:

- March 27, Scanner Install
- April 26 – May 18, Right Engine Hot Section
- July 03 – 04, Maintenance Phase
- August 10, Fuel Pump Failure
- August 14, Down Right Engine FCU
- August 22-24, Maintenance Phase
- September 17, Down Left Gyro & Tire Change
- September 20-21, Down for Right Gyro

Hobbs time between phase for BE200 200 hours.

Fire & Aviation Management

N149Z:

- October 02-**03-04**-05, Maintenance Phase 4
- Scanner Removal November 02,
 - Grid Flight Check Boise to be Determined
- Time Remaining till next phase 180.7

Hobbs time between phase for BE200 200 hours.

N144Z 2012 STATISTICS



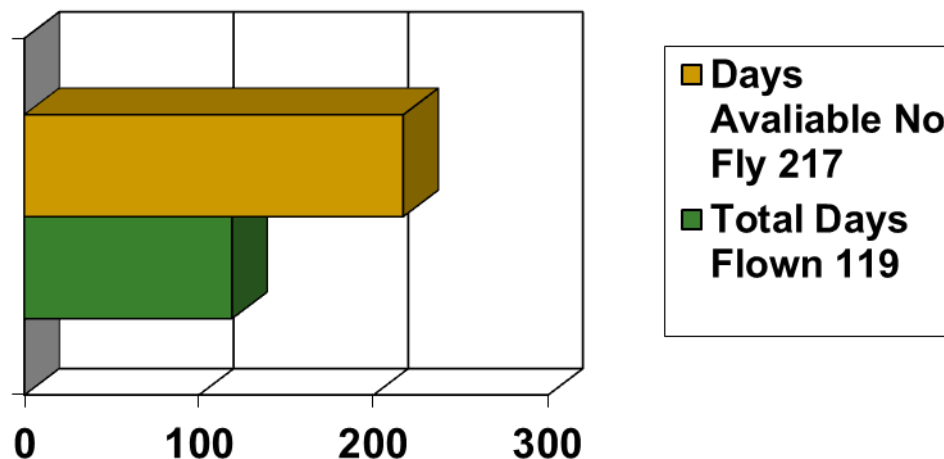
Fire & Aviation Management

N144Z:

Hours Flown – 538.2

Total Aircraft Operating Cost - \$1,054,8720.00

2012 Aircraft Use

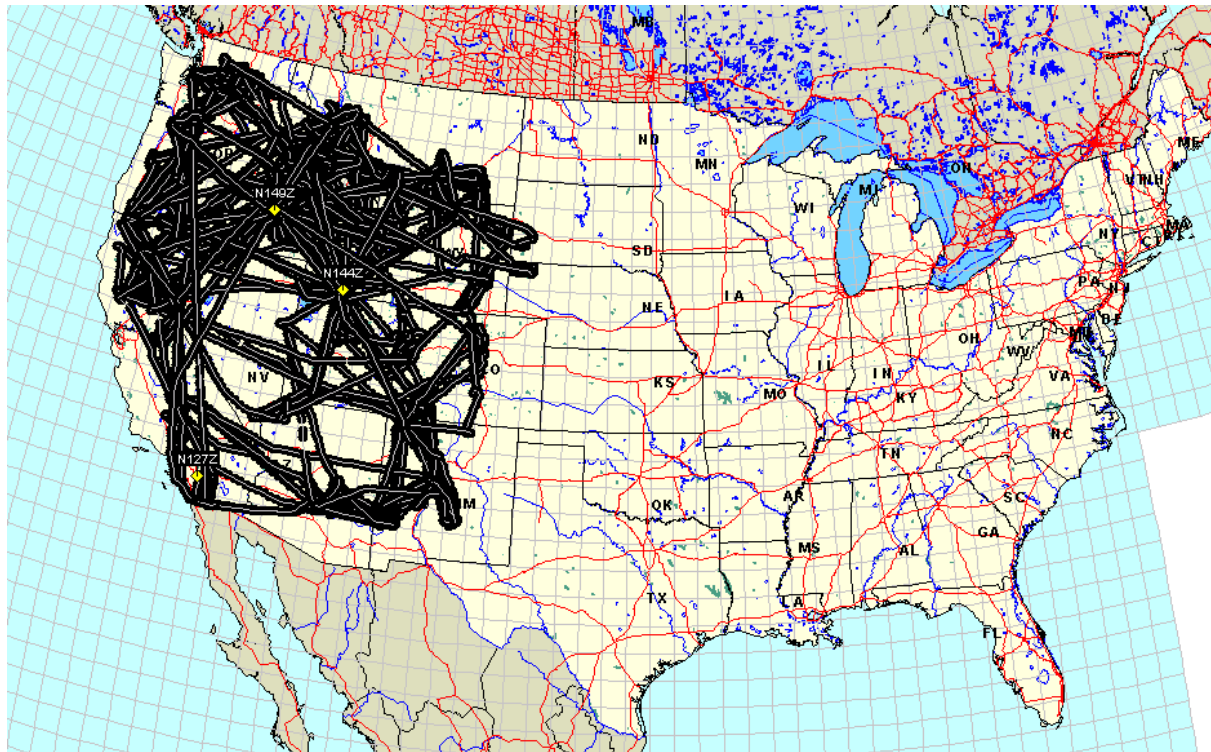


Aircraft Hourly Flight Rate 2012: \$1960.00

Aircraft Hourly Flight Rate 2013 Projected: **\$1850.00**

Fire & Aviation Management

Automated Flight Following History 44z May to November



Fire & Aviation Management

N144Z:

- **November 09, 2011 Scanner Removed**
- **Engine Overhaul & Replacement**
 - November 10, 2011 Engines Removed
 - November 17, 2011 Engines Shipped for Overhaul
 - April 20, 2012 Rebuilt Engines Reinstalled
 - April 30, 2012 Return to Service
- **May 01, Scanner Install**
 - Phoenix Calibration check flight BOI
 - May 02, dispatch Livermore Ranch Fire
- **May 25, Mechanical**
 - Battery replacement

Hobbs time between phase for C550 150 hours.

Fire & Aviation Management

N144Z:

- **June 27 thru July 01, Mechanical**
 - Right Engine Oil Leak
- **July 15, Left Starter Relay**
- **July 23, Mechanical**
 - Radome Damage
 - Replacement installed returned to service July 24
- **July 26, Mechanical**
 - Anti Ice RTB Ogden
- **July 30, Mechanical**
 - Anti Ice RTB Ogden
 - July 31, Ice probe replaced

Hobbs time between phase for C550 150 hours.

Fire & Aviation Management

N144Z:

- **August 09 - 10, Maintenance**
 - Scheduled Phase 3 & 4
- **August 19, Mechanical**
 - Aft Baggage Door / Landing Inspection
- **September 17-18-19- 20, Maintenance**
 - Scheduled Phase 1 & 2
 - Return to Service Delayed Hydraulic Annunciator
- **September 25, Mechanical**
 - Main Cabin Door / Landing Inspection

Hobbs time between phase for C550 150 hours.

Fire & Aviation Management

N144Z:

- **September 30, Mechanical**
 - N1 Gauge Inop
 - Returned to Service October 02
- **Time Remaining until next inspection 61.7**
- **Scanner Removal November ????**
 - Grid flight check Boise

Hobbs time between phase for C550 150 hours.

Fire & Aviation Management

Infrared Pilot Staff 2012

Dan Johnson
Supervisor
08/2005
44z & 49z

Wendi
Powers
06/2006 –
10/2012
44z & 49z

Tim
Braidy
04/2008
44z & 49z

Don
Boyce
05/2008
44z & 49z

Ed
Netcher
08/2012
49z

Contact
Pilot
Dick
Stefanski
07-
09/2012
49z

Detail
Pilot R6
Tony
Sleznick
07-
10/2012
49z

Detail
Pilot R8
Steve
Talick
06/2012 –
10/2012
49z

Fire & Aviation Management

Infrared Pilot Staff 2013

Dan Johnson
Supervisor
08/2005
44z & 49z

New Hire
02/2013

Tim
Braidy
04/2008
44z &
49z

Don
Boyce
05/2008
44z &
49z

Ed
Netcher
08/2012
49z

Contact
Pilot
Dick
Stefanski
49z

Detail
Pilot
49z

Detail
Pilot
Or
Contract
49z

Fire & Aviation Management

REVIEW ITEMS

- **Staffing:**
 - **Pilot Staff**
 - Wendi Powers Returned to Lead Plane R-5
 - 2013 Hiring / Contract
 - Detail Development Pilot
 - **Pilot Schedule**
 - <http://fsweb.r4.fs.fed.us/unit/fam/aviation/docs/IRCALENDAR.xls>
 - **IR Operations:**
 - **Sensor Grid Boise**
 - Planned flight 2012 / 2013
 - **Additional Platform**
 - WCF Aircraft
 - CWN Aircraft
-

Any Questions?

