

# **ADVENTURE FLYING SERVICES LLC**

## **2023 IDAHO BACKCOUNTRY RESERVATION INFO AND PROCEDURE**

Thank you for your interest in our 2023 Idaho Backcountry Program. This document is intended to answer questions and provide guidance on how to make a 2023 Idaho reservation. Those interested in joining us should act quickly as we expect all available dates to book soon. Our four month season provides only enough time to accommodate twenty to twenty-five clients each year.

The vast majority of our Idaho clients choose the Comprehensive Backcountry Training option. We recommend a four or five day reservation for those who are new to mountain/canyon flying and haven't flown with us previously. Returning clients, with experience in backcountry operations and the intended training aircraft, may find that three days is enough. Two day reservations are only accepted from those whose previous pilot and aircraft experience seem to align with focused training goals.

Our Idaho Backcountry Discovery option is a fixed-price option for those who want a meaningful introduction to mountain/canyon flying prior to making the training commitment necessary to be truly proficient and safe on their own. It's also a great option for those considering building or purchasing a Kitfox for backcountry use. Two or three clients choose this option each season.

To make a reservation you must first contact us by phone, text or email. We need to discuss your experience, goals and identify available training dates. Any interest in backcountry lodge stays should be addressed at that time. Once your training dates are identified and agreed to, we hold them for seven days pending receipt of your reservation form and deposit. If the deposit is not received within that timeframe, your reservation will be released to the next person in line.

Reviewing the documents included in the this PDF packet, along with other information available on our website, should give you a good understanding of what our Idaho programs are all about. Do not hesitate to call us soon with any other questions you may have. Our Idaho programs provide an adventure and training experience you will never forget.

Thanks again for your interest. We hope to talk and fly with you soon.

Fred Williams, CFI  
Adventure Flying Services LLC

Phone or text: (208) 917-3664  
Email: [fred@advflying.com](mailto:fred@advflying.com)

# ADVENTURE FLYING SERVICES LLC

## 2023 IDAHO COMPREHENSIVE BACKCOUNTRY TRAINING TOPICS

### Mountain Meteorology

- General circulation patterns
- Orographic effects
- Solar influences
- Mountain Waves
- Pressure patterns
- Haystack effect
- Mesas and canyons

### Canyon Meteorology

- Diurnal effect
- Convergence effect
- Venturi effect
- Winds and turbulence

### Aircraft Performance

- Preflight preparation
- Fuel planning
- Leaning the mixture
- Weight & balance
- Density altitude considerations
- Aircraft loading
- Important airspeeds
- “Intimate knowledge”
- Takeoff and landing performance
- Climb and cruise performance

### Forced landings

- Terrain
- Weather and wind
- Pilot capabilities
- Aircraft capabilities

### Flight Planning

- Resources
- Precautionary landings
- Forced landings

### Emergency Procedures

- ELT and PLB
- Survival kit and survival training

### Landing Areas

- Unimproved strips
- Short, soft, and rough strips
- Humps, dips, doglegs and sidehills
- Grass, long grass, wet grass
- Wildlife
- Other aircraft

### Aircraft Operations

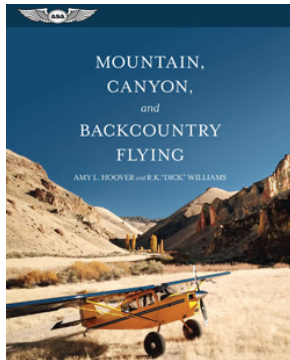
- Pre-flight planning
- Loss of control prevention
- Moose stalls
- Terrain flying
- Non-standard traffic patterns
- Canyon turns
- Constricted approaches
- Pre-landing checklists
- Stabilized mountain approach
- Takeoff and landing uphill and downhill
- Takeoff and landing with surface winds
- When not to land
- When not to takeoff
- Go-arounds
- Sun angle in high relief terrain
- Ground effect
- Use of flaps
- Communications
- Minimizing impact
- Taxi and ground operations
- Pilot etiquette
- Parking tips

### Navigation

- Maps and charts
- Flying drainages
- Ridges and passes
- Route planning
- GPS -advantages and hazards

# ADVENTURE FLYING SERVICES LLC

## RECOMMENDED READING FOR BACKCOUNTRY PILOTS



### Mountain, Canyon and Backcountry Flying

Authors: Amy L. Hoover, RK "Dick" Williams

The book includes preparing for and conducting mountain and canyon flights, en route and airport operations, situational awareness, aircraft performance, risk management, emergency operations, and more. There are none better.

<https://www.amazon.com/gp/product/1619547414/>



### Emergency Maneuver Training

Author: Rick Stowell

"Rich Stowell has the unique ability to dissect complex topics in a way that all pilots can understand. His message is safety and his approach makes sense." - Rod Machado. We consider this an essential book in any pilot's library.

<https://www.richstowell.com/shop/books/book-emergency-maneuver-training/>



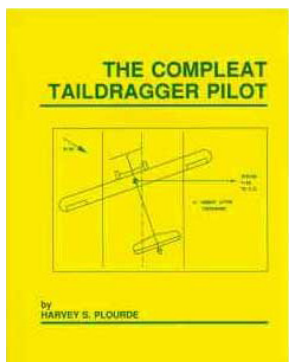
### Learn to Turn

Author: Rick Stowell

Turning is a fundamental skill that is often poorly understood. Learn and practice techniques described herein to become a better pilot.

Free!

<https://advflying.com/learn-to-turn/>



### The Compleat Taildragger Pilot

Author: Harvey S. Plourde

Our recommendation for new or experienced tailwheel pilots who may be struggling with concepts or technique. This book is widely regarded as one of the best on the subject.

<https://www.amazon.com/gp/product/0963913700/>

# ADVENTURE FLYING SERVICES LLC

## 2023 IDAHO BACKCOUNTRY TRAINING CHECKLIST

### PILOT CHECKLIST

- Pilot Certificate
- Current Medical Certificate
- Proof of current Flight Review - notify us in advance if you want a Flight Review
- Suggested flying 10 hours minimum within 30 days prior to our instruction

Wear comfortable shoes and clothing in layers suitable for a wide temperature range. A ball cap and sunscreen/protection recommended. Bring snacks, water and a lunch for each day.

### AIRPLANE CHECKLIST (if your aircraft is to be used)

- Airworthiness Certificate
- Aircraft Registration
- Operating Specifications (POH)
- Current Weight and Balance
- Proof of current annual or 100-hour inspection (photocopies are OK)
- Proof of insurance, including liability coverage for instruction in your aircraft
- Shoulder harnesses installed for right front seat, or rear seat of tandem aircraft
- Intercom with PTT for non flying pilot seat
- First Aid Kit and survival gear
- Tiedown ropes and wheel chocks
- Window cleaner & towels

### PREPARATION AND PRACTICE IF USING YOUR AIRCRAFT

- Remove wheel fairings prior to flying on unimproved strips in backcountry areas.
- Be familiar with the published V-speeds for your aircraft (Vx, Vy, Va, best glide, etc.)
- Practice slow flight and other proficiency maneuvers
- Practice short-field and soft-field takeoffs and landings.

**READING:** [Mountain, Canyon and Backcountry Flying](#) by Hoover and Williams

### SYNOPSIS

We will be working closely together determine power settings, configurations and speeds appropriate for your aircraft. We will focus on enroute, approach, and departure operations in mountain and canyon areas to help you maximize precision, control, performance, and safety. Your training will be individually tailored to meet your needs, desires and enjoyment.

# ADVENTURE FLYING SERVICES LLC

## 2023 IDAHO COMPREHENSIVE BACKCOUNTRY TRAINING REGISTRATION FORM

Name	
Address	
City	
State	Zip
Phone	Mobile
Email	

Pilot Certificate/ratings you hold:

Private  Commercial  ATP  Instrument Pilot Certificate # \_\_\_\_\_

Total hours PIC \_\_\_\_\_ PIC hours last 12 months \_\_\_\_\_ Tailwheel PIC hours \_\_\_\_\_

Date of FAA Medical \_\_\_\_\_ Date of Last Flight Review \_\_\_\_\_

My Age: \_\_\_\_\_ My Weight: \_\_\_\_\_ My Height: \_\_\_\_\_

Would you like to include a Flight Review (BFR) to satisfy FAR61.56?  Yes  No

Train in AFS Kitfox  Train in My Aircraft (aircraft information required below)

My Aircraft: Make/Model \_\_\_\_\_ Year \_\_\_\_\_ N# \_\_\_\_\_

Date Last Annual: \_\_\_\_\_ Hours in Make/Model: \_\_\_\_\_ Total \_\_\_\_\_ Last 12 months

Special Equipment (Engine, tires, STOL mods, etc): \_\_\_\_\_

Are you interested in combining with Backcountry Lodge stays?  Yes  No

My Requested Dates: \_\_\_\_\_

Training days usually begin by 7:30 AM and last five to six hours. They include flight and ground time as appropriate. Most clients choose three to five days for a comprehensive experience.

<input type="checkbox"/> 2 days: \$1400	<input type="checkbox"/> <b>A 50% deposit is required to reserve your dates</b> Make check payable to Adventure Flying Services LLC <i>Deposits will be refunded for those days in which AFS determines that weather, fire or flight restrictions prevent safe instruction. AFS is not responsible for other client costs incurred in the event instruction must be cancelled.</i>
<input type="checkbox"/> 3 days: \$1900	
<input type="checkbox"/> 4 days: \$2500	
Additional days: \$625 per day Kitfox Rental: \$180 per hour (Hobbs) *Fuel surcharges may apply. See website.	

**Return completed form and deposit to:**

**Adventure Flying Services LLC | 1740 Trail Creek Way, Reno, NV 89523**

Phone: 208.917.3664 Email: [fred@advflying.com](mailto:fred@advflying.com)

Jan 2023 Revision

# ADVENTURE FLYING SERVICES LLC

## 2023 IDAHO BACKCOUNTRY DISCOVERY REGISTRATION FORM

Name	
Address	
City	
State	Zip
Phone	Mobile
Email	

Pilot Certificate/ratings you hold:

Private  Commercial  ATP  Glider  Sport Pilot      Certificate # \_\_\_\_\_

Total Hours PIC \_\_\_\_\_ PIC Hours Last 12 months \_\_\_\_\_ Tailwheel PIC Hours \_\_\_\_\_

Date of FAA Medical \_\_\_\_\_ Date of Last Flight Review \_\_\_\_\_

My Age: \_\_\_\_\_ My Height: \_\_\_\_\_ My Weight: \_\_\_\_\_

My Requested Date: \_\_\_\_\_

Instruction: Backcountry Discovery Flights usually commence at 7:30 AM and end by 1 PM.

<input type="checkbox"/> Backcountry Discovery    \$1395  Includes ground instruction and approximately 3 hours of flight instruction in our Kitfox aircraft.	<input type="checkbox"/> <b>A \$700 deposit is required to reserve your dates</b> Make check payable to Adventure Flying Services LLC <i>Deposits will be refunded for those days in which AFS determines that weather, fire or flight restrictions prevent safe instruction. AFS is not responsible for other client costs incurred in the event instruction must be cancelled.</i>
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