



Seaplane Preflight, Postflight and Base Operations

Saturday, June 18, 10am-12pm
Rainier Flight Service, Renton, WA
Austin G. Watson, P.E. CFI

Contents

1. About the Presenter
2. Seminar Outline
3. Objectives
4. Preflight for Water Operations
5. Dock and Ramp Safety
6. Launching
7. Departing the Dock and Ramp
8. Waterway, Runway Lane Usage
9. Ground and Tower Radio Work
10. Arriving at the Dock and Ramp
11. Retrieval
12. Postflight
13. ~~Operating Around Wildlife~~
14. ~~Noise Abatement~~
15. Seasonal Wind and Water

About the Presenter: Austin G. Watson, P.E. CFI

- Certified Flight Instructor and Registered Professional Engineer living in Seattle, Washington
- Retired from and consulting to The Boeing Company as Training Systems Architect for Airborne Surveillance Platforms.
- Fly's for fun and teaches in his Cessna 172XP on straight floats in the Pacific Northwest.
- Board of Directors of Washington Seaplane Pilots Association (WSPA)
- Washington Field Director for the Seaplane Pilots Association (SPA).
- Published several seaplane flying articles in SPA Water Flying and other regional magazines.
- Has trained and flown in seaplanes in, Washington, Alaska, BC, Florida, Louisiana, North Carolina and Como Italy.
- Says, “Seaplane flying is the best because you get to land in nature and the intellectual decision making challenges don’t get any better.”

Seminar Description

A Seaplane has no brakes and once you cast off you are committed and going somewhere, hopefully under your own control. How do you prepare for this moment and manage the unique risks inherent in seaplane operations so that you get to fly another day?

This seminar will share best practices learned from years of seaplane flying and training in the Pacific Northwest. He will discuss effective seaplane preflight, postflight and base operations. He will talk about preflighting for water operations, launch, dock, ramp and retrieval procedures. Using a scenario based approach, particular focus will be on Renton W36 and local Pacific Northwest operations, including noise abatement strategies, operations around wildlife, and seasonal wind and water conditions.



Resources

Govt Documents

FAA Seaplane Operations Handbook, Advisory Circulars, Coastguard Rules are located here:

- [Gov't Documents](#)

Seaplane Pilot Operating Handbooks, POH

Pilot Operating Handbooks for common seaplanes including Cessna, Piper, and Dehaviland are located here:

- [POH's](#)

Courseware

- [SES Training Checklist](#)
- [CFI Checkride Checklist](#)
- [Wind Shear Avoidance](#)
- [Floatplane Safety and Risk Management](#)
- [PNW Radio Calls](#)
- [Flying to Canada](#)

WA Training Providers

WA Training Providers

- **Kenmore Air, Kenmore** <http://www.kenmoreairharbor.com/flightinstruction.html>
- **Rainier Flight Service, Renton** <http://www.rainierflightservice.com/searinstruction.php>
- **Seaplane Scenics, Seattle** <http://www.seaplanescenics.com>
- **Seattle Seaplanes, Seattle** <http://www.seattleseaplanes.com/trainin>
- **Boeing Employees Flying Association (BEFA), Renton** <http://www.befa.org>
- **Austin's Seaplane Training, Renton (206) 979-4654**

Designated Examiners

BRINK, G. FREDERICK	(425) 478-8391
KARMAN, WILLIAM NEAL	(425) 334-3983
TUTTLE, PATRICK A	(360) 201-3659
WOLVINGTON, HOWARD	(425) 761-4729

Training Scholarship Application

[SPA Scholarship](#)

Government Documents

FAA-H-8083-23 Seaplane, Skiplane and Float/Ski Equipped Helicopter Operations Handbook

1. [faa-h-8083-23-1.pdf](#)
2. [faa-h-8083-23-2.pdf](#)
3. [faa-h-8083-23-3.pdf](#)
4. [faa-h-8083-23-4.pdf](#)



FAA Advisory Circulars

1. [AC5210-13A Water Rescue Plans Facilities Equipment.pdf](#)
2. [AC91-69A Seaplane Safety for 14 CFR Part 91 Operators.pdf](#)
3. [AC120-47 Overwater Survival Equipment.pdf](#)
4. [AC150 5395-1 Seaplane Bases-AS150-5395-1.pdf](#)

US Dept Of Commerce SeaplaneFacilities.pdf

U.S. Department of Transportation United States Coastguard NAVIGATION RULES

[COMDTINST-M16872.2B.pdf](#)

POH - Pilot Operating Handbooks for Seaplanes

WSPA collects POH's for your use here. If you have a PDF of POH we don't have please send it to us to post here.

- [Cessna 150](#)
- [Cessna 172](#)
- [Cessna 180](#)
- [Piper PA-18 Super Cub](#)
- [DHC2 Beaver](#)



DHC-2
BEAVER
FLIGHT MANUAL

Commercial Pilot Practical Test Standards for Airplane (FAA-S-8081-12C), November 2011

Areas of Operation:

I. Preflight Preparation

- ✓ Task A: Certificates and Documents
- ✓ Task B: Airworthiness
- ✓ Task C: Weather Information
- ✓ Task D: Cross-Country Flight Planning
- ✓ Task E: National Airspace System
- ✓ Task F: Performance and Limitations
- ✓ Task G: Operation of Systems
- ✓ Task H: Water and Seaplane Characteristics
- ✓ Task I: Seaplane Bases, Maritime Rules, and Aids to Marine Navigation
- ✓ Task J: Aeromedical Factors

Areas of Operation:

II. Preflight Procedures

- ✓ Task A: Preflight Inspection
- ✓ Task B: Cockpit Management
- ✓ Task C: Engine Starting
- ✓ Task D: Taxiing
- ✓ Task E: Taxiing and Sailing
- ✓ Task F: Runway Incursion Avoidance
- ✓ Task G: Before Takeoff Check

OK, I know it's all going to ACS now, but you get the idea. We are going to hit some of the important topics here.

Commercial Pilot Practical Test Standards (PTS) for Airplane (FAA-S-8081-12C), November 2011

Areas of Operation:

III. Airport and Seaplane Base Operations

- ✓ Task A: Radio Communications and ATC Light Signals
- ✓ Task B: Traffic Patterns
- ✓ Task C: Airport/Seaplane Base, Runway, and Taxiway Signs, Markings, and Lighting

Areas of Operation:

IV. Takeoffs, Landings, and Go-Arounds

- ✓ Task A: Normal and Crosswind Takeoff and Climb
- ✓ Task B: Normal and Crosswind Approach and Landing
- ✓ Task E: Short-Field Takeoff (Confined Area) and Maximum Performance Climb
- ✓ Task F: Short-Field Approach (Confined Area) and Landing
- ✓ Task G: Glassy Water Takeoff and Climb
- ✓ Task H: Glassy Water Approach and Landing
- ✓ Task I: Rough Water Takeoff and Climb
- ✓ Task J: Rough Water Approach and Landing
- ✓ Task L: Go-Around/Rejected Landing

PTS Special Emphasis Areas

Examiners ***shall place special emphasis*** upon areas of aircraft operations considered critical to flight safety. Among these are:

1) Positive aircraft control

2) Positive exchange of the flight controls procedure

3) Stall/spin awareness

4) Collision avoidance

5) Wake turbulence avoidance

6) LAHSO

7) Runway incursion avoidance

8) CFIT

9) ADM and risk management

10) Wire strike avoidance

11) Checklist usage

12) Temporary flight restrictions (TFRs)

13) Special use airspace (SUA)

14) Aviation security

15) Single-Pilot Resource Management (SRM)

16) Other areas deemed appropriate to any phase of the practical test

Objectives

1. Learn to operate safely and efficiently at the W36 seaplane base
2. Learn best practices for managing risk before and after a seaplane flight
3. Socialize common practices for W36 seaplane base users

Float Flying is Different from Wheel Flying

- It's nature, not concrete and runway lighting. It's a whole different gig
- Procedures are not prescribed. You have to think through everything
- Generally there is no ASOS/AWOS, just eyes and skies
- Terrain is always close in
- Landing & Takeoff surface are move both vertically and horizontally
- There is always FOD, both living and non-living and difficult to see
- You have no brakes. Mother Nature has a plan for your plane
- Night is forbidden
- Once you commit, you are committed. Plan your options well ahead
- It's the most fun flying ever

PREFLIGHT

Getting ready to go

- What's the worst thing that can happen to a float pilot?
 - You drop cellphone in the water
 - Wear Zippered Pockets!
- Do you want to start engine first time today on the water?
 - Be certain it is going to start, or
 - Float to mercer island.
- **What we want to do is get rid of all the reasons not to fly and do it in some logical order. We want to put risk behind us and stack the deck in our favor.**

At Home Checklist

1. Wallet, Credit Cards, Cash, and Drivers License
2. Pilots License(s) and Medical Certificate
3. Charts (VFR, IFR, Approach, Departure, Runway)
4. Airport Facility Directory
5. Navigation Log, Flight Plan, and Weather Briefing
6. Headsets, batteries charged, spares
7. Kneeboard, Logbook, pens, pencils, and highlighters
8. Keys (Car, Airport, Airplane)
9. Portable GPS/iPad, batteries charged, spares
10. Handheld Radio, batteries charged, spares
11. Flashlights, Batteries charged, spares
12. Seat Cushion
13. Glasses, Sunglasses, Cleaner
14. Hat, Jacket, Gloves, Umbrella
15. Meds and first aid kit
16. Cell Phone, charged
17. Watch
18. IMSAFE

Before you launch

- You've decided you are OK, the Weather, both current and forecast is Floats-OK
- You have a plan for where to go, and you told somebody when to expect you and where
- Now you can go to the Seaplane base
 - Check the wind and water (Go look at it)
 - Clean up the launch area
 - Then ...
 - Go do your airplane preflight
 - What do you not want to discover after you start floating away from the shore?
 - How far into checklists can you get prior to launch?

Passenger Brief Checklist 91.519

1. Smoking, Food, Alcohol & Drugs 91.17,535
2. Electronic Devices - Off 91.21
3. Pilot / Crew Interference 91.11
4. Seat, Seatbelt & Shoulder Harness 91.107
5. Exits, Egress & Ditching Procedures
6. Oxygen use 91.211
7. Baggage & Equipment Location & Stowage
8. Floatation Devices - Location & Operation
9. Fire Extinguisher - Location & Operation
10. ELT - Location & Operation
11. Signaling Devices - Location & Operation
12. Brace Position – Demonstrate
13. Heat Lessening Position – Demonstrate
14. Propeller Flaps and Elevator Caution
15. Passengers Needing Assistance
16. Positive Exchange of Controls

Show them how to exit plane if under water upside down.

Have them demonstrate it with eyes closed

**Try to do it without scaring them.
(good luck with that)**

**Life Jacket or PFD?
Who wears them and when**

Preflight for Water Operations

- *Work through all the reasons not to fly in a logical sequence*
- IMSAFE
- “All Available Information”
 - Weather Now, Weather Future
 - Base Conditions, Wind and Water
- Gather all your Equipment
 - Seaplane Stuff – Rope, Anchor, Bumpers, Waders, . . .
 - Emergency Stuff – The 10 Essentials, . . .
- Verify Airworthiness
 - Verify Seaworthiness

• **IMSAFE**

- Illness
- Meds
- Stress
- Alcohol
- Fatigue
- Eating

C172-XP Float Checklists

Pre-Flight

- POH - Chapter Four
- Window Cover - Stow
- Engine Plugs - Stow
- Water Rudders - Test
- Floats – Inspect & Pump
- Vortex Gens – Inspect
- Passengers - Briefed

Engine Start

- Tach/Hobbs – Record
- Circuit Breakers – Check
- Instruments – As req'd
- Fuel – Both
- Cowl Flaps – Open
- Trim – Takeoff
- Mixture – Rich / as req'd
- Prop/RPM – Full
- Primer
 - Cold - as req'd
 - Hot - None
- Master Switch- On
- Fuel Pump
 - Cold - On till flow
 - Hot – Off
- Key – On
- Throttle – Advance slowly
- RPM – Set 800
- Oil Pressure – Green

Power Settings PA =2000' /8LM

- RPM/MP BHP KTAS GPH
- 25/25 – 81%, 114/100, 11.5
- 24/24 – 72%, 107/95, 10.2
- 23/23 – 63%, 100/90, 8.9

V Speeds

- V_x - 56 kia
- V_y - 72 kia
- V_a - 105 kia

Runup

- Seatbelts – fastened
- Doors – close and lock
- Radios - Set
- Transponder - On
- ATIS - Set DG, Altimeter
- Flight Controls - Free and Correct
- Oil temp - > 75 deg
- Lights As Required
- Throttle - 1800 RPM
- Magnetos - 175/50
- Propeller - Cycle
- Engine Insts. - Check
- Ammeter - Check
- Suction - Green
- Throttle - Idle

Takeoff

- Area - Clear
- Water Rudders - Up
- Fuel – Both
- Trim - Takeoff
- Cowl Flaps - Open
- Flaps - 20 deg
- Mixture – Rich
- Prop/RPM – Full
- Throttle/MP – Full
- All Inst – Green

Takeoff - 1135' water / 1850' 50'

Departure / Climb

- Positive Rate
- Throttle/MP – 25"
- Prop/RPM – 2500
- Flaps – in
- Mixture – as required

Cruise

- Cowl Flaps – as req
- Mixture
- Prop/RPM – Cruise

Descent

- ATIS - Set DG, Altimeter
- Power / Mixture/Trim
- Cowl Flaps – Closed

Before Landing

- Seatbelt – check
- Wind Direction
- Water Conditions
- Water Rudders – Up
- Fuel – Both
- Cowl Flaps – Closed
- Flaps – Set
- Throttle/MP - 15", as req'd
- Prop/RPM – Full

Landing - 660' water / 1325' 50'

After Landing

- Water Rudders - Down
- Cowl Flaps - Open
- Flaps – In
- Seatbelts – Off and Stow
- Headset – Off and Stow
- Avionics - Off
- Master Switch - Off
- Seat Back and Door Ajar

Docking / Engine Off

- Prop/RPM – Full
- Throttle/MP – Out
- Mixture – Out
- Key - Off & Out
- Water Rudders - Up
- Fuel – Right

Tie Down

- Yoke Lock - In
- Pitot Cover - On
- Cowl Flaps - Closed
- Cabin - Air Closed
- Floats – Pumped
- Window Cover - On
- Engine Plugs - In
- Tie down - Complete
- Doors - Locked

Check everything you can all the way thru takeoff list before you even go to the ramp

When do you want to find a checklist item failure?

Preflight for Water Operations

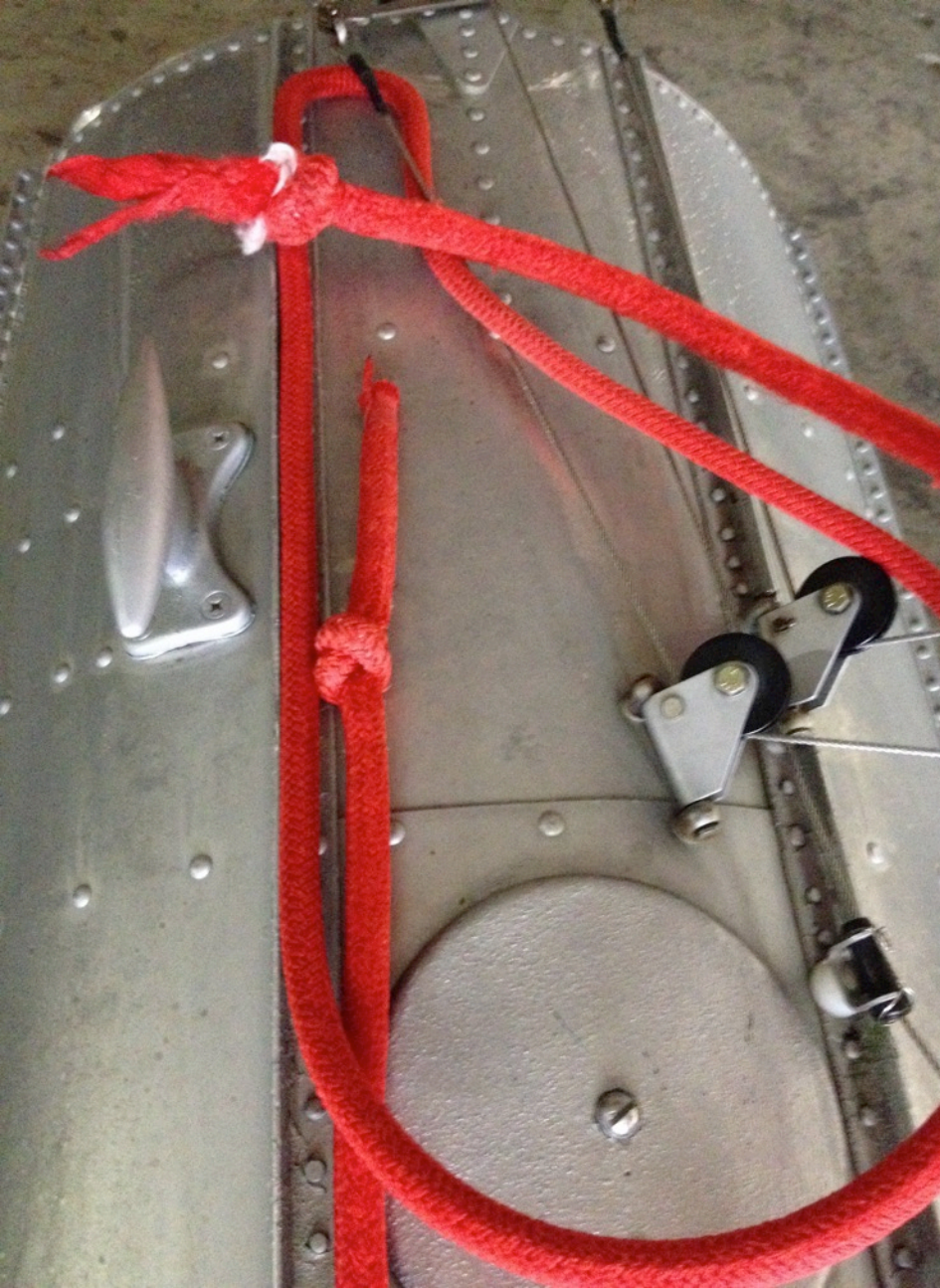
- *Altimeter Tricks & Tips*
 - *Set altimeter to 29.92 and see where it says you are. Check Air Density*
 - *Set Altimeter to Airport Elevation. Get ATIS if any. See how much you had to reset Altimeter*
 - *Check altimeter against manifold pressure reading before engine start. (If you have a constant speed prop engine with RPM and MP controls)*
- *What does my homemade checklist have on it?*
 - *Everything in the POH!*
 - *I do not want to explain to FAA/NTSB why I left something in the POH off my “improved” checklist.*
 - *Everything on your STC’s*
 - *Just what will save my life.*
 - *Don’t make it a space shuttle checklist.*
 - *Stuff you tend to forget*

Preflight for Water Operations

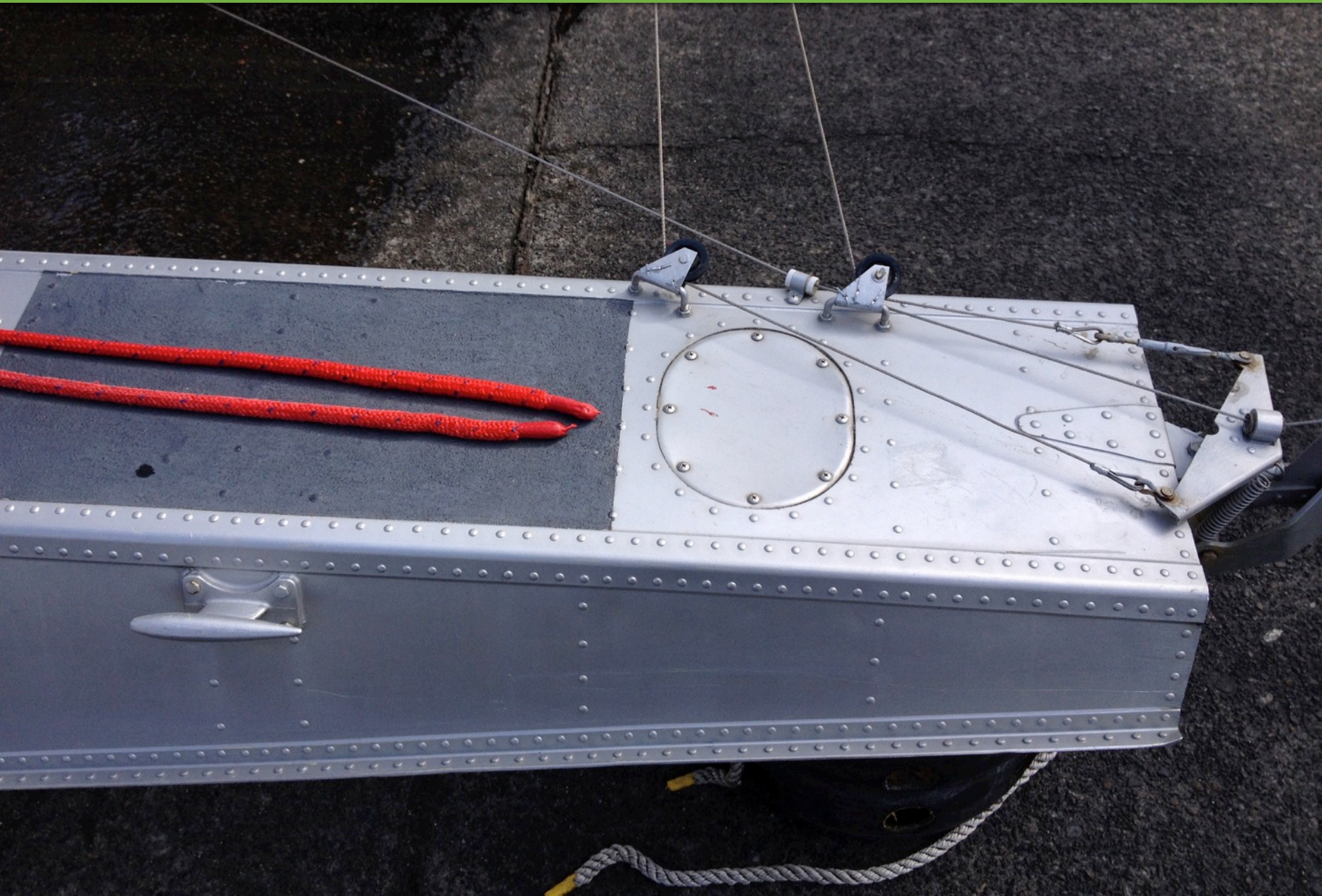


A Mystery

Preflight your ropes – Rope interfere with controls



Preflight your ropes – Ropes Just Right



Preflight Your Ropes Wing Eats Rope



Fuel Planning – know your fuel radius



Preflight for Water Operations

FLOATS:

- *Pump before*
 - *Especially if somebody else might have flown the plane*
 - *I get more rain infiltration through the top than leakage through the hull*
- *Pump after*
 - *Calibrate and know your typical leakage rate*
 - *Find out if you punctured something*
- *Pumping is a good job to give somebody*
 - *But watch them like a hawk*
- *This is a Good Time to Inspect Floats*
 - *Also inspect bottoms when lifted on float truck*



Preflight for Water Operations

- *About Pumping Floats*
- *Pump before*
 - *Especially if somebody else might have flown the plane*
 - *I get more rain infiltration through the top than leakage through the hull*
- *Pump after*
 - *Calibrate and know your typical leakage rate*
 - *Find out if you punctured something*
- *Pumping is a good job to give somebody*
 - *But watch them like a hawk*



Preflight for Water Operations



Winter Ops in the PNW

- Heater / Dehumidifier
- Battery Minder



BASE OPS

Seasonal Wind and Water – It was nice at My House



Preflight The Ramp



Preflight – Know your loaded waterline



Departing the Dock and Ramp

- If you are using raw muscle power to position your plane on the dock, then you are doing something wrong. THINK
- Minimize time on the dock. Sitting in your plane on the dock is not the place for a ground school lesson.
 1. Get in
 2. Turn the key
 3. Go

Your Headset and Seatbelt can wait.



Seasonal Wind and Water – Pretty Day / Pretty Windy



Seasonal Wind and Water – *After The Storm*



Dock and Ramp Safety



Operating Around Wildlife



Operating Around Wildlife

- Birds
- Turtles
- Mink, Otters
- Salmon
- Boaters



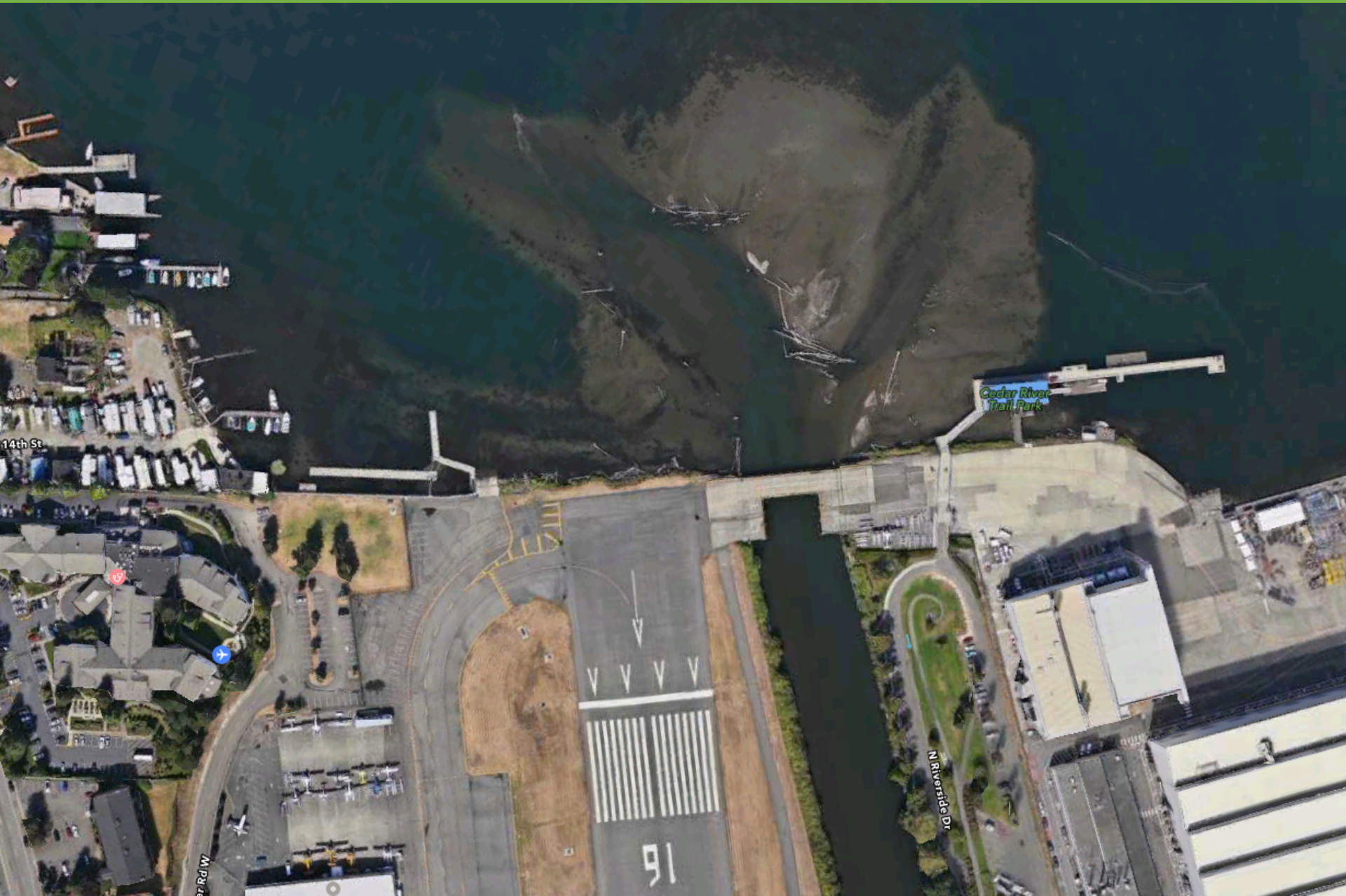
Dock and Ramp Safety

- Scott has a slippery ramp Injury – August 2014



DOCK AND
RAMP

W36 Views – Dock / Ramp Area



W36 Views – Dock / Ramp Close Up

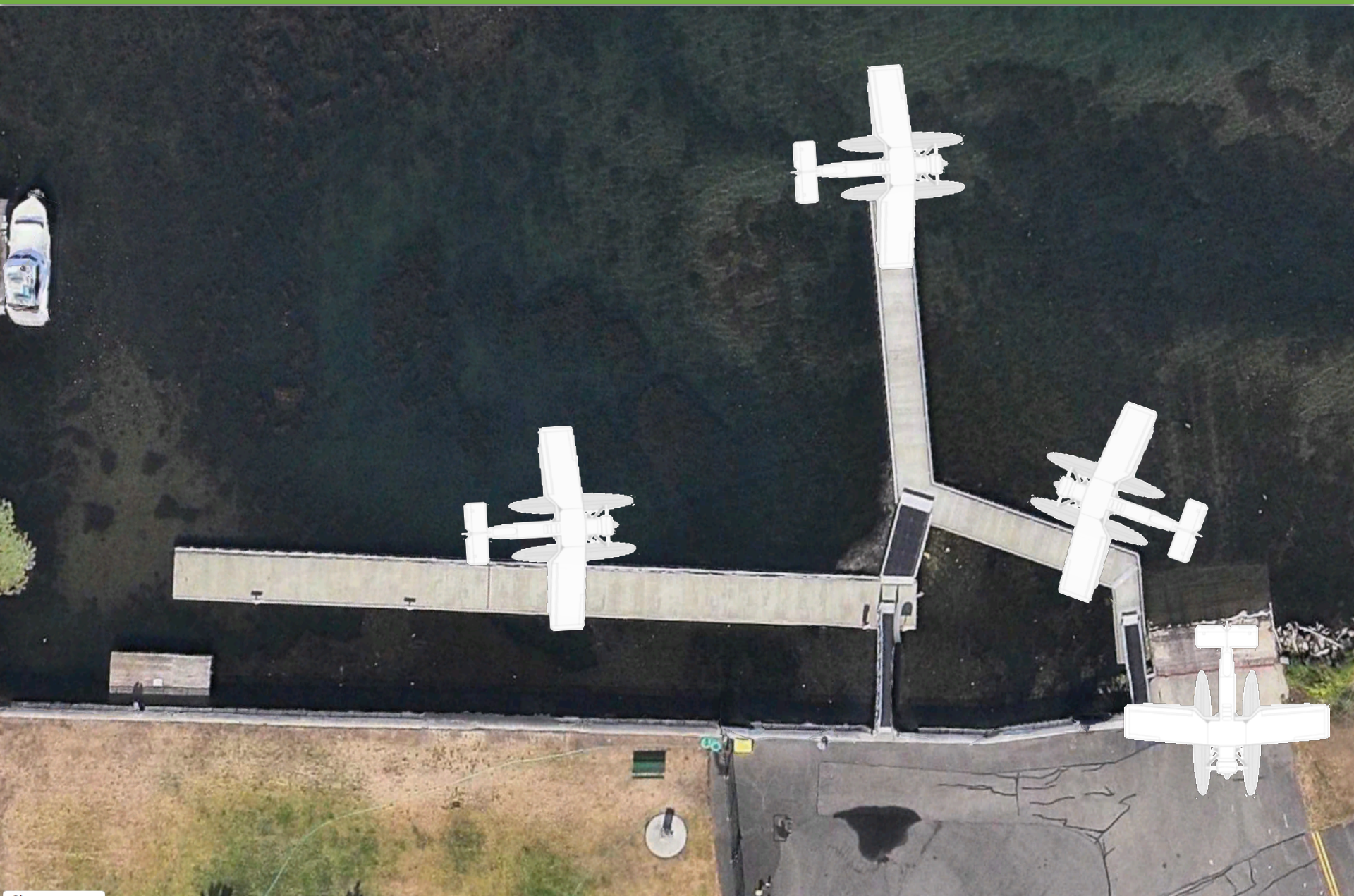


How to turn a plane

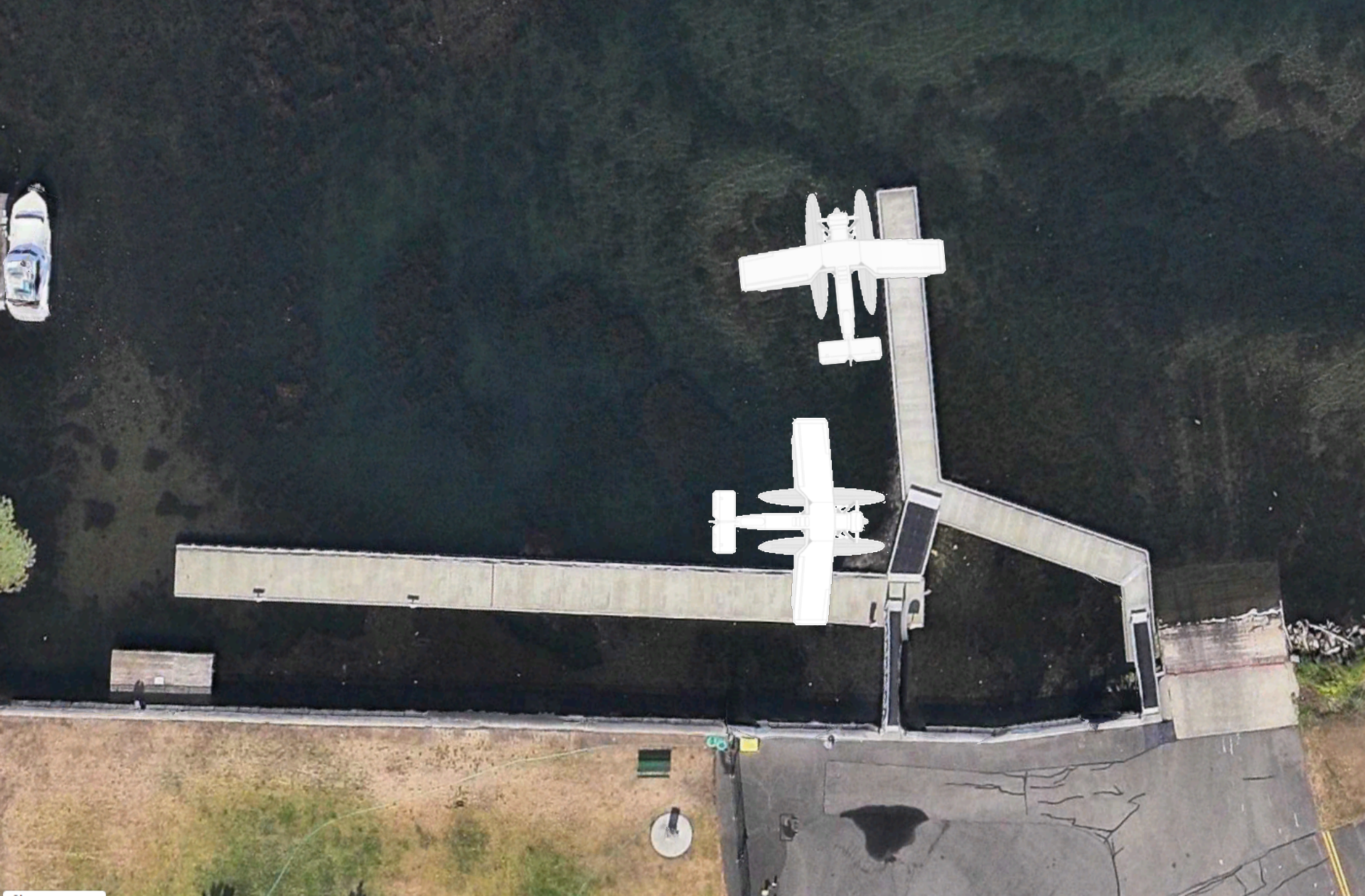


DANGER!
SLIP VERY
EASILY

What is the dumbest place to leave your plane?



Where would you want a plane to be if you were the next one coming or going?



WASHINGTON
ONE

What does “Washington One” mean?

1. I am a cool seaplane bush pilot because I say Washington One when I fly at Renton
2. Ummmmmmmm....

TRUTH: TYPICAL SEATTLE ENGINEER
WHO BUILDS SOFTWARE SYSTEMS



W36 Departures & Arrivals



- Exercise:**
1. Pick a wind direction and speed
 2. Pick your location
 3. Pick Arriving or Departing
 4. What's your plan?

- Priorities:**
- 1) Safety
 - 2) Make it easy for others

Have you read the AFD lately?

WILL ROGERS WILEY POST MEM SPB (W36) 1 N UTC-8(-7DT) N47°29.99' W122°13.16'

SEATTLE

14 LRA NOTAM FILE RNT

WATERWAY 12-30: 5000X200 (WATER)

WATERWAY 12: Rgt tfc.

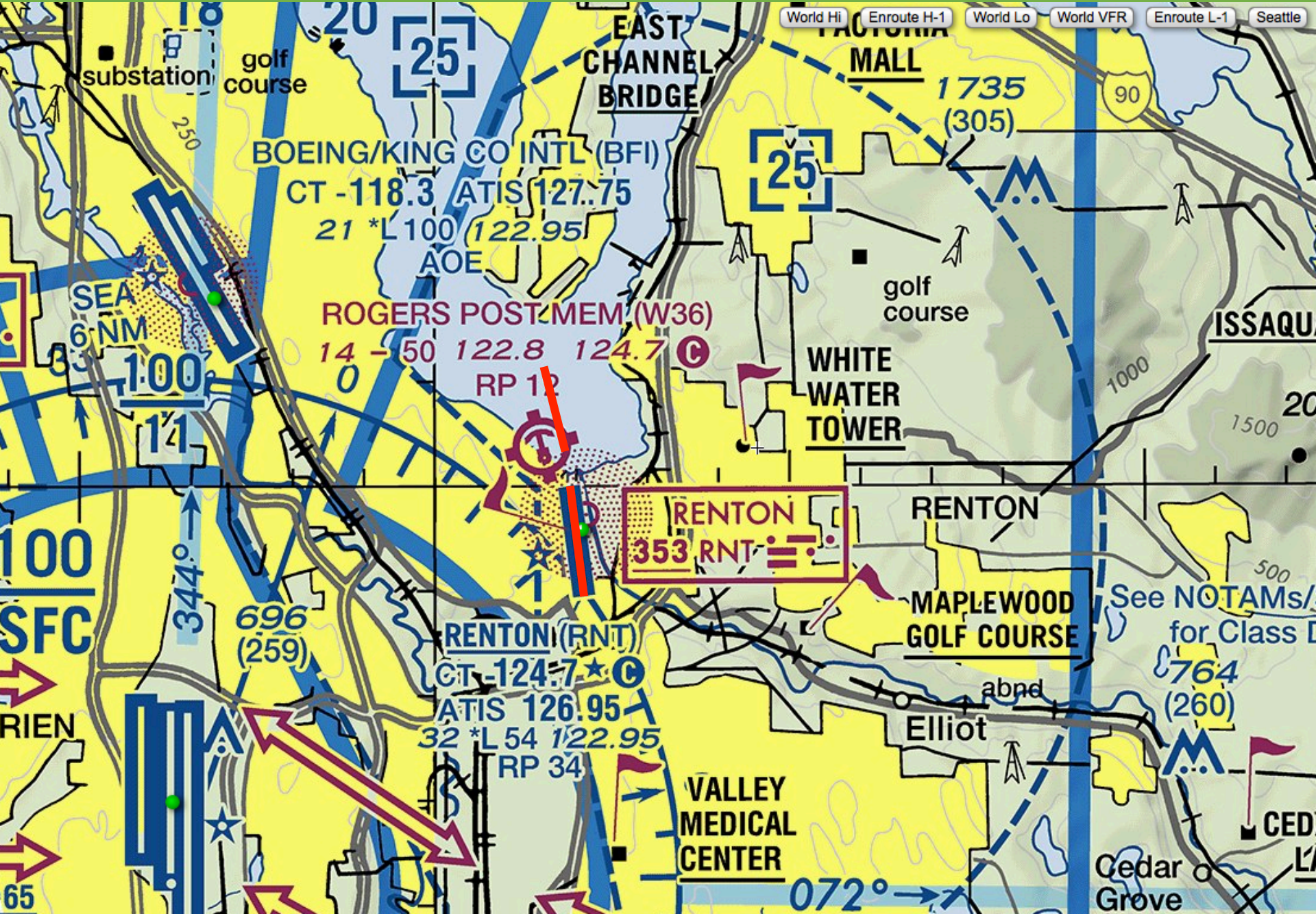
SERVICE: S4 **FUEL** 100LL, JET A, A1+ **OX** 1, 2, 3, 4

SEAPLANE REMARKS: Attended 1500Z†-Dusk. Ctc Renton twr when opr, for tfc data. When twr not opr announce intentions on 124.7. When flying inbd or outbd in the west channel waterway above 800' AGL ctc Boeing twr freq 118.3 for tfc advisories. Flocks of waterfowl in vcnty, be alert ldgs and tkfs. Water depths vary at docks and seaplane launch ramp. Use caution for localized shoaling. Extv boating and personal watercraft in vcnty. Flight Notification Service (ADCUS) avbl.

AIRPORT MANAGER: (425) 430-7477

COMMUNICATIONS: CTAF 124.7 **UNICOM** 122.8

W36, 12-30: 5000X200

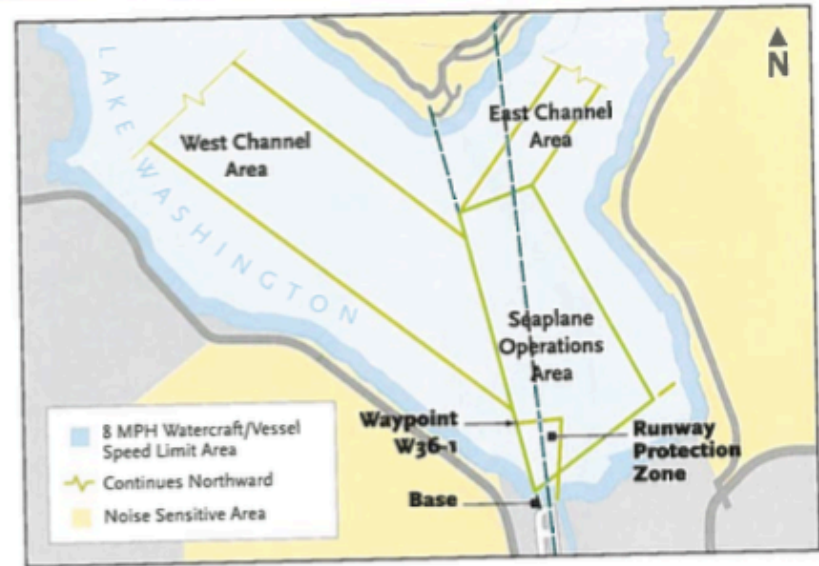


What does "Washington One" mean?



WILL ROGERS-WILEY POST SEAPLANE BASE

All takeoffs, landings, and idle taxiing should be carried out within the area identified as the Seaplane Operations Area with regard for wind, weather, and boat traffic. The Seaplane Operations Area is east of an imaginary line extending from the seaplane dock on a heading of 320 degrees. **NO STEP TAXIING.** Operations are at your own risk. **Use caution for localized shoaling and shallow water as you approach the seaplane base and around the seaplane docks and launch ramp.**



WASHINGTON ONE DEPARTURE: On initial contact with Renton Tower, advise your specific location on the lake (e.g. east or west of the extended runway centerline and whether you are out of our line of sight behind buildings). Request the "Washington One Departure" and tell the controller whether you will use the east or west channel. State the appropriate ATIS code. You must establish two-way radio contact prior to entering Delta airspace (i.e. prior to becoming airborne). Departure from the lake is at pilot's own risk—report airborne. Fly mid-channel to avoid noise sensitive areas. West Channel departures remain at or below 800'

MSL while in the west channel, over the water, and until you're outside of Boeing airspace.

WASHINGTON ONE ARRIVAL: On initial contact with Renton Tower, advise your location. Request the "Washington One Arrival" and tell the controller whether you will use the east or west channel. State the appropriate ATIS code. You must establish two-way radio contact prior to entering Delta airspace. Fly mid-channel to avoid noise sensitive areas. Remain at or below 800' MSL while in the west channel, over the water, and in Boeing airspace. Landing on the lake is at the pilot's own risk—report on the lake.

What does “Washington One” mean?

WASHINGTON ONE DEPARTURE: On initial contact with Renton Tower, advise your specific location on the lake (e.g. east or west of the extended runway centerline and whether you are out of our line of sight behind buildings). Request the “Washington One Departure” and tell the controller whether you will use the east or west channel. State the appropriate ATIS code. You must establish two-way radio contact prior to entering Delta airspace (i.e. prior to becoming airborne). Departure from the lake is at pilot’s own risk—report airborne. Fly mid-channel to avoid noise sensitive areas. West Channel departures remain at or below 800'

MSL while in the west channel, over the water, and until you’re outside of Boeing airspace.

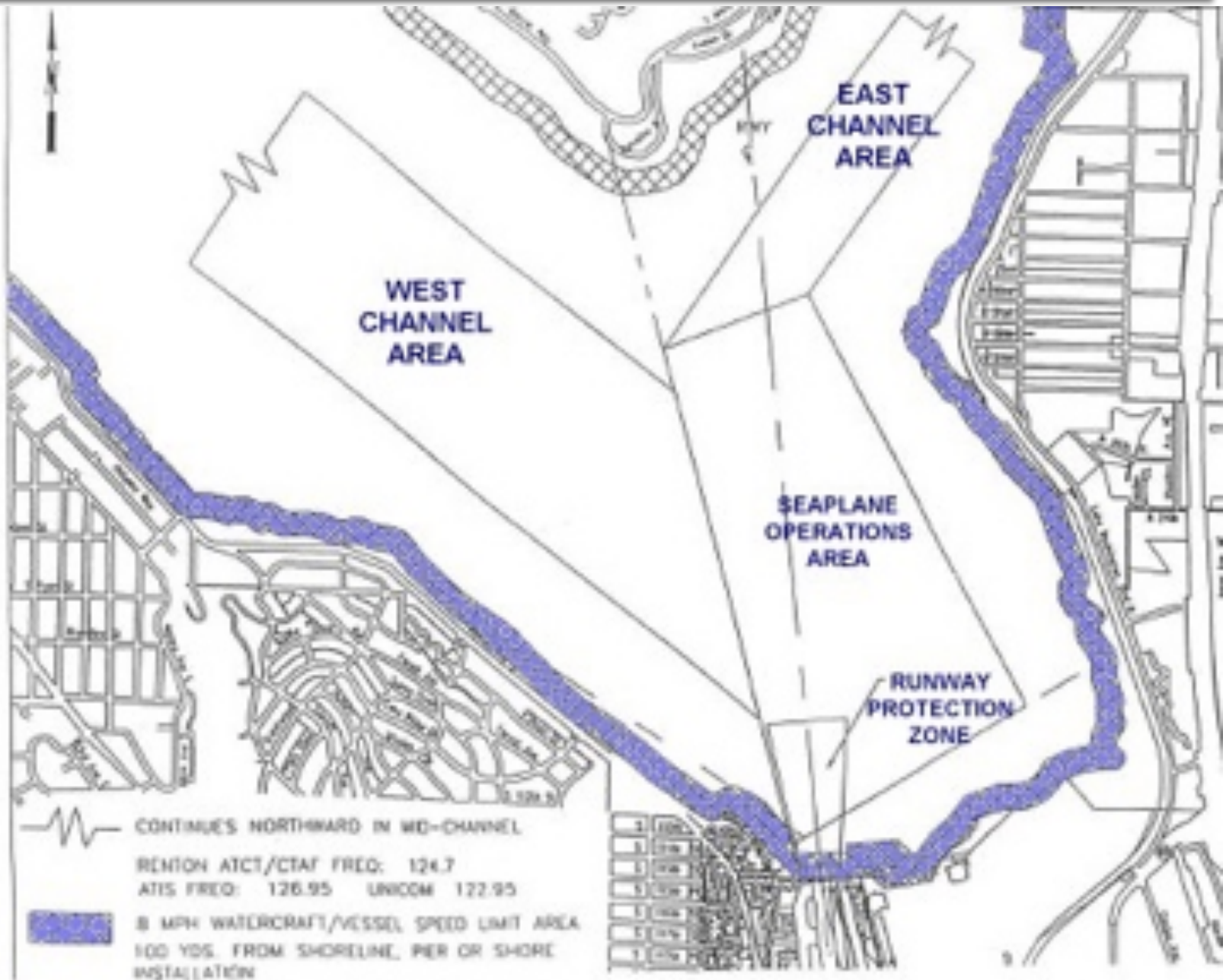
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You are getting a clearance to enter Renton’s Delta Airspace.

Renton Tower, Floatplane N758LM on the water with Whiskey.
Request **Washington One** West channel north departure.

Renton Tower, Floatplane N758LM at Bellevue with Juliet.
Request **Washington One** East channel landing.

Seaplane Operations Area



Seaplane Operations Procedures

Seaplane Operations Procedures

1. All take-offs, landings and idle taxiing should be carried out within an area located east of an imaginary line connecting the seaplane dock and the south end of Mercer Island. The azimuth of this line is 320 degrees, magnetic, from the dock.
2. Pilots should enter and exit the seaplane operations area via east or west channel routes
3. Remain **at or below 800 feet MSL while in the west channel** to avoid King County International Airport airspace
4. **No step taxiing**
5. Floatplane speed limit within **100 yards of docks** and/or shore is **8 kph (5 mph)**

Ramp and Floating Dock Procedures

1. The following procedures have been adopted to prevent congestion on the amphibious ramp.
2. Arriving aircraft may be positioned on the amphibious ramp for refueling or removal **only** when the fuel or tow vehicle is present. The aircraft must immediately be removed from the water, depart or be relocated to a position on the floating dock after fueling.
3. After being placed in the water for departure, aircraft must **immediately depart or be relocated** to a position on the floating dock.
4. Aircraft positioned on the amphibious **ramp** must, at all times, be **attended by a person responsible** for and authorized to relocate the aircraft.
5. To decrease the possibility of fuel spills into Lake Washington, aircraft utilizing the seaplane base facilities should be **refueled on land** prior to being placed in the water or after being removed from the water.

Radio Work on the Water

- Arrival and Departure is not an IFR clearance. You don't have to read it all back. Keep it short. This works:
 - Tower Controller, "blah blah blah 8LM"
 - 8LM Pilot, "8LM"
- "Washington One" is not just something you say to show you are a cool seaplane pilot. It means something. It's a contract between you and the Tower.
- Float Truck Radio Calls
 - It's just another taxi clearance
 - Who you are, Where you are, what you want.
 - Typical Example:
 - Driver, "Renton ground, NW Tow, Request 860 Building to float ramp"
 - Renton ground, "NW Tow, blah blah blah via Alpha"
 - Driver, "NW Tow"

Tell the tower where you are. They probably can't see you.

Radio Work

Pacific Northwest Floatplane Radio Calls

June 11, 2016 Austin G. Watson, CFI N758LM

LOCATION	INTENTION	RADIO CALL
W36	General	<p>Inform tower of specific location if it is <i>unusual</i> due to prevailing [E, W] wind conditions, i.e. North of Boeing factory, NW of float base.</p> <p>If slide and take off will be to East or West due to prevailing winds, inform tower of intentions, i.e. taking off to the [east, west] across the runway centerline with turnout to the north</p>
Departing W36	NE Departure To N, NE	Renton Tower, Floatplane N123FP on the water with LIMA, Request Washington One east channel departure to the [North, NE]
Departing W36	NW Departure To N	Renton Tower, Floatplane N123FP on the water with LIMA, Request Washington One west channel departure to the North
Departing W36	NW Departure To W	<p>Renton Tower, Floatplane N123FP on the water with LIMA, Request Washington One west channel departure, early transition to Boeing westbound</p> <p>...</p> <p>Boeing Tower, Floatplane Cessna N123FP, off Renton at 700 ft request west transition over runway westbound</p> <p>OR</p> <p>Boeing Tower, Floatplane Cessna N123FP, at I90, 700 ft, request Safeco transition westbound at 1500ft</p>

We made it easier for you.

PNW Radio Calls Doc is Available
at:

[washingtonseaplanepilots.org/
training](http://washingtonseaplanepilots.org/training)

Look under Courseware

WIND AND
WATER



Observed at Seattle, WA
Scattered Clouds, 68° F
WU WEATHER UNDERGROUND Wind WNW at 5 mph Pressure 30.19 in
[Click for weather forecast](#)

Seattle, WA 7-Day Forecast

Dated: 3:30 PM PDT SUN JUN 12 2016 [Click Here for more details!](#) SEATTLEWEATHER.COM

Mon	Tue	Wed	Thu	Fri	Sat	Sun
Showers Likely	Showers Likely	Chance Of Showers	Chance Of Showers	Chance Of Showers	Chance Of Showers	Mostly Sunny
63°F 48°F	60°F 48°F	65°F 50°F	67°F 50°F	67°F 51°F	69°F 51°F	70°F

WA Weather

Weather Briefing

- [Seattle Local Aviation Flight Conditions](#)
- [Seattle NWS Forecast Office](#)
- [Seattle Area Forecast Discussion](#)
- [Prog Charts - Surface Analysis](#)
- [METARS & TAFS](#)
- [Winds Aloft NWS](#)
- [Winds Aloft Air Sports Net](#)
- [Convective Forecast](#)
- [PIREPS](#)
- [TFRS & NOTAMS](#)
- [PNW Ferry Weather](#)
- [Mt Rainier Forecast](#)
- [Hwy 520 Bridge Weather](#)
- [Ferry Weather](#) Surface Winds for Puget Sound
- [Tides NOAA](#)
- [UW Weather](#)

Charts and Cameras

Aeronautical Charts

- [SkyVector](#)
- [AIRNAV Airport Info](#)
- [FLTPLAN Airport Info](#)

Nautical Charts

- [NOAA Chart Viewer](#)
- [Pacific Coast Charts](#)

Web Cams

- [UW Atmos Sci PNW Weather Cams](#)
- [Space Needle Pano Cam](#)
- [Skunk Bay Weather Cam](#)
- [Edmonds Marina Cam](#)
- [Port Townsend Cam](#)
- [San Juan Island Cams](#)
- [BC Cams](#)
- [Vancouver Island Air Web Cams](#)

BC Weather

- [BigWaveDave](#) - Wind info from BC Windsurfers

Please [Contact us](#) if you can help with this section.

Weather Imagery

- [Seattle Wundermap](#)
- [PNW Accuweather](#)
- [East Pacific & PNW Accuweather](#)
- [Pacific Intellicast](#)
- [Jet Stream Intellicast](#)
- [World Map Intellicast](#) Polar
- [WindyTY](#) - Great Wind Visualization

Preflight – Seasonal Weather at Renton

• *Summer*

- *North wind – Think about Staying Put if wind is > max crosswind*
- *Big water in afternoon*
- *Boat Wakes*
- *Fog in morning, Clear at 6AM, Fog at 9AM, Clear at 1PM*
- *Smoke*
- *Hot thin air – Beware DA and Cyl Head Temps*

• *Winter*

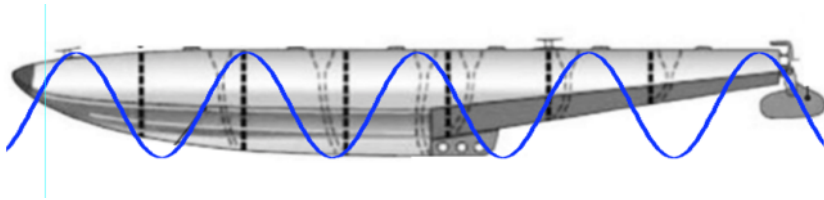
- *South Wind - Gusty*
- *Cold Temps – Stay put if Temp <35 degrees and dropping*
- *Flooded Rivers → Debris, Currents*
- *Low Sun Angles*
- *Look for that perfect blue sky week that comes every year*
- *Wonderful thick air*

• *Fall / Spring*

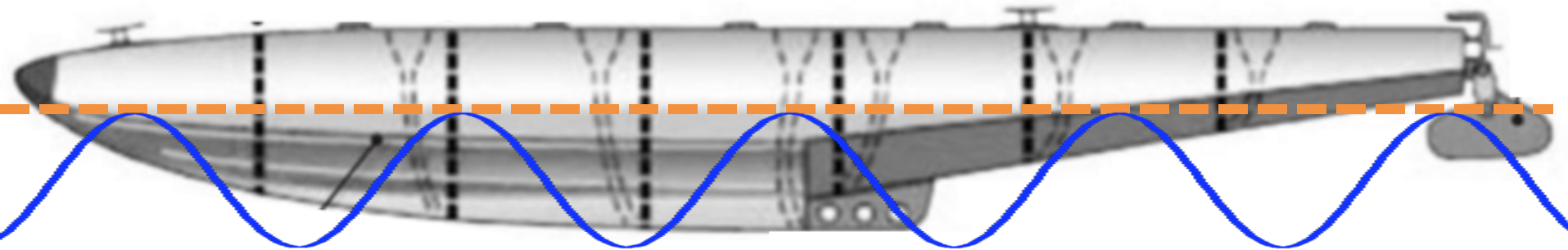
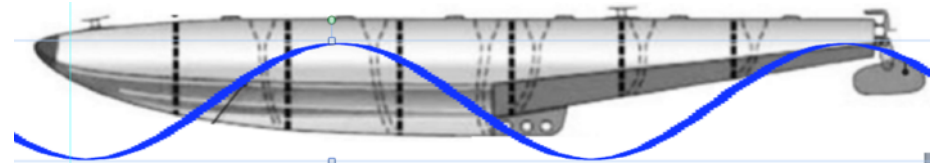
- *Changing conditions – Can just be crazy*
- *Calm Grey Days – smooth water, good air*

Preflight – How Rough Is too rough?

- If **waves/swells greater than one half of float height**, think about staying put



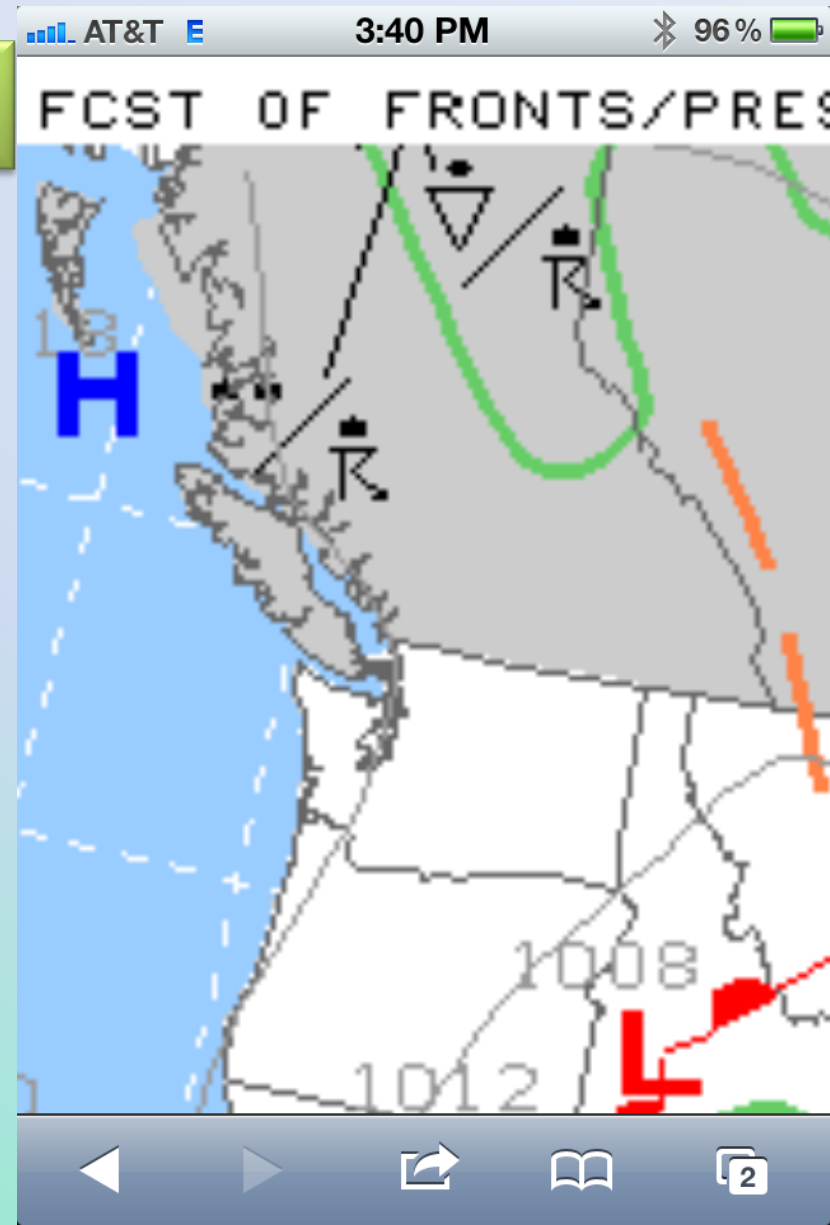
- If less than **three waves/swells per float length**, think about staying put



Good WX / Bad WX

Nice day to go fly →

Never Fly into the Red Blob



Seasonal Wind and Water – Pretty Day / Pretty Windy



SURF'S UP AT RENTON



SWELLS AT RENTON



SWELLS BIGGER THAN FLOATS



Seasonal Wind and Water – A Perfect Day



POSTFLIGHT

Arriving at the Dock and Ramp

- Is the wind and water what you expected it would be when you got back?
 - If you don't like it go some where else and land.
- Site boats, animals, debris, swells, wind direction, gusts.
- Announce at Renton "8LM on the water".
- Know the four ways to turn around
 - 1) Idle Turn
 - 2) Plow Turn
 - 3) Momentum Turn
 - 4) Don't Turn... Just sail

- Clean up and get disencumbered
 - Headset off
 - Seatbelt off and stowed
 - Charts, electronics, food, pets, stowed
 - Doors Clear
 - Avionics Off
- Test your turns before you need them
- If you were the next plane after you where would you like to park? Where do you wish the plane before you parked?
- Is the truck ready and available? Do you ramp or need to dock and go get the truck?

Postflight Your Floats

A Post flight Discovery

A close-up photograph of a damaged aircraft float attachment mechanism. The float is a white, curved plastic component that has cracked and broken at the attachment point. The attachment point is a metal bracket secured with a large hexagonal bolt and a nut. The bolt has "AFC" and "X" markings on its head. A thick blue braided rope is attached to the bottom of the float. The background shows a blurred outdoor setting, likely an airfield or hangar.

Arrival

- Area Inspection
- Wind
- Water
- Current
- Obstructions
- Sea life
- Birds
- People
- Boats



Paddle boarders are hard to see

FLOAT TRUCKS

Float Trucks – The fastest way to break a floatplane



Float Trucks – The fastest way to break a floatplane



- Float 0
- Truck 1

\$200

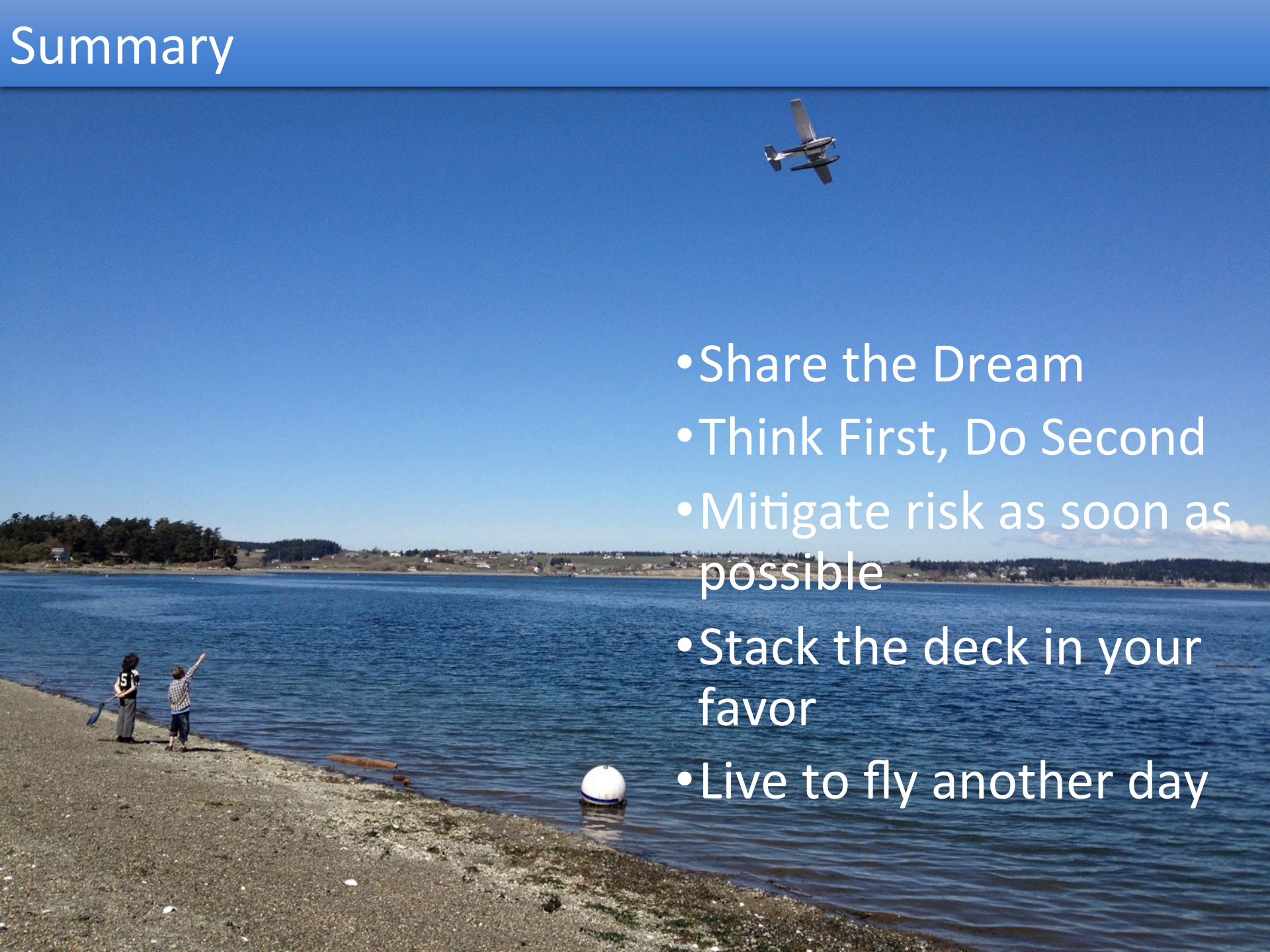
Float Trucks – The fastest way to break a floatplane

- Wing 0
- Fence 1

\$500

Summary

- Share the Dream
- Think First, Do Second
- Mitigate risk as soon as possible
- Stack the deck in your favor
- Live to fly another day



RESOURCES

- WSPA <http://washingtonseaplanepilots.org>
- SPA <http://seaplanes.org>



Seaplane Pilots Association

Protecting and Promoting Water Flying



Make your dreams come true, and live a life of adventure and discovery through water flying.

A screenshot of the Washington Seaplane Pilots Association website. The page features a search bar at the top left, a navigation menu with links like Home, Join, Donate, Events Calendar, Forums, News, Destinations, Training, Weather Briefing, Stewardship, Partners, For Sale, Contact, and About. The main content area includes a mission statement, a green banner for the 2016 Long Lake Splash-In Camp-In registration, and three columns of recent news, forum updates, and upcoming events. The logo for the Washington Seaplane Pilots Association is prominently displayed at the top center.

Q Enter search string

WASHINGTON SEAPLANE
PILOTS ASSOCIATION

bustin.watson@ieee.c

Remember me
Forgot password

Home
Join
Donate
Events Calendar
Forums
News ▶
Destinations
Training ▶
Weather Briefing
Stewardship
Partners
For Sale
Contact
About

The mission of the Washington Seaplane Pilots Association is to protect and grow seaplane access to Washington waters, promote safe and responsible seaplane operations, foster communications among owners, operators, service providers and the community, and to facilitate events sharing the joy of seaplane flying in Washington and the Pacific Northwest. Please join us.

Registration is Open for The 2016 Long Lake Splash-In Camp-In

The 2016 Long Lake Splash-In Camp-In is the weekend of August 19th through August 21st.

See Details and [Register Here](#)

NOTE: Registration in testing mode and only open to Board Members. It will be open to General Membership on June 1st.

Recent News

- April 2016 Newsletter
17 Apr 2016 10:32 AM • Anonymous member

Forum Updates

- Welcome to Our New Washington Seaplane Pilots Forum
27 Aug 2015 4:06 PM • Anonymous member

Upcoming Events

- 100th Anniversary of First Boeing Seaplane Flight
15 Jun 2016 (PDT) • Foot of Bourne's Street Lake

Video Links (YouTube)

- **Jim Howard NWSP**

- <https://www.youtube.com/user/ifoundjim>

- **Austin Watson WSPA**

- <https://www.youtube.com/user/austingwatson>

- Home Again – Landing North at W36

- <https://youtu.be/IOKIBrYwGB4>

- Washington One Low Approach – Landing North at W36

- <https://youtu.be/SYAA0ppgeGo>

The End – *Live to Fly Another Day*

