

**BY ORDER OF THE COMMANDER
JOINT BASE ELMENDORF-
RICHARDSON**

**JOINT BASE ELMENDORF-
RICHARDSON INSTRUCTION 34-110**

14 DECEMBER 2023



Services

**SIX MILE LAKE (SML) RECREATIONAL
AIRCRAFT STORAGE AREA (RASA)**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements Department of the Air Force Instruction (DAFI) 34-101, *Department of the Air Force Morale, Welfare, and Recreation (MWR) Programs and Use Eligibility*, and should be used in conjunction with Air Force Instruction (AFI) 10-1001, *Civil Aircraft Landing Permits*, and 3d Wing Instruction (WGI) 13-204, *Elmendorf Airfield and Air Traffic Control Procedures*. It establishes policies and procedures for use of Six Mile Lake (SML) Recreation Area for temporary storage of private aircraft. It applies to all patrons and administrators of the SML Recreational Aircraft Storage Area (RASA) as well as the Air Force Reserves and Air National Guard units and members. Flight Chiefs, Managers, Activity Supervisors and/or any person in a position of responsibility to whom this instruction applies are responsible for complying with the requirements, policies and procedures established herein. Compliance with this instruction cannot be waived. Refer recommended changes and questions about this publication to the office of primary responsibility, using Department of the Air Force (DAF) Form 847, *Recommendation for Change of Publication*, route DAF Forms 847 from the field through the appropriate functional chain of command. Ensure all records generated as a result of processes prescribed in this publication adhere to AFI 33-322, *Records Management and Information Governance Program*, and are disposed of in accordance with the Air Force Records Disposition Schedule, which is located in the Air Force Records Information Management System. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Department of the Air Force. Compliance with attachments is mandatory.

SUMMARY OF CHANGES

This document was updated to reflect change from 673 FSS to 773 FSS. Removed redundant verbiage and reorganized outline to group information together by topic. Added reference guidance of 3WGI 13-204. Added Hazmat and Spill Prevention Control and Countermeasure (SPCC) text previously included as attachments. Updated fuel tank limitations. Updated fees and charges information.

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1. Overview and Responsibilities.

1.1. **Overview.** This instruction establishes policy for the temporary storage and management of aircraft at Six Mile Lake (SML) Recreational Aircraft Storage Area (RASA).

1.1.1. SML landing areas include a 1,600-foot gravel landing area and a 4,000-foot sea/ski lane.

1.1.2. Patrons are advised that they share the use of SML and shoreline with others who are privileged to engage in recreational activities on Joint Base Elmendorf-Richardson (JBER). No one will behave in a manner that imposes a safety risk to other users of SML or its shoreline.

1.2. Responsibilities.

1.2.1. **773d Force Support Squadron (FSS).** The 773 FSS Aero Club activity has been delegated management responsibility and authority for rental application, fee collection, and oversight of the SML RASA.

2. Patron Eligibility.

2.1. Active-duty military, Department of Defense (DoD) retirees, members of the National Guard or Reserves, DoD/Non-Appropriated Funds (NAF) employees, their families, and other patrons as specified in DAFI 34-101 are authorized to store private aircraft at the SML RASA.

2.2. Prior to storing a private aircraft at SML RASA, owners must attain a Civil Aircraft Landing Permit. To be eligible for landing permit, aircraft owners must comply with the requirements of AFI 10-1001 (including insurance requirements) and submit the following forms with 3d Operations Support Squadron, Airfield Management (OSS/OSAM).

2.2.1. DD Form 2400, *Civil Aircraft Certificate of Insurance*.

2.2.2. DD Form 2401, *Civil Aircraft Landing Permit*.

2.2.3. DD Form 2402, *Civil Aircraft Hold Harmless Agreement*.

2.2.4. *Supplemental Hold Harmless Agreement for Six Mile Lake (Attachment 5)*.

2.3. Additionally, patrons must complete and submit a *SML RASA Rental Use Agreement (Attachment 6)* to the Aero Club prior to storing aircraft at SML RASA.

2.4. Patrons must keep a current copy of the Civil Aircraft Landing Permit in their aircraft at all times. Civil Aircraft Landing Permits must be renewed through 3 OSS/OSAM annually.

2.5. Compliance with AFI 10-1001, 3WGI 13-204 is an express condition of any Civil Aircraft Landing Permit and by implication, the opportunity to store private aircraft at SML RASA.

3. Aircraft Storage Requirements and Limitations.

3.1. Aircraft must be privately owned and must not be used for commercial purposes.

3.2. Aircraft wingspan must not be greater than 60 feet.

3.3. Repairing aircraft is not allowed on SML. When necessary, patrons may perform routine maintenance on their aircraft at designated maintenance areas in the SML RASA.

3.3.1. Patrons may add up to two quarts of oil or other fluids within their storage area.

3.3.2. Patrons adding hazardous fluids to their aircraft will adhere to the SML Spill Prevention, Control, and Countermeasure (SPCC) plan in **Section 8**.

3.4. Aircraft and other supplies/equipment must be stored only at a patron's assigned location. Location assignments may be requested through the Aero Club. Patrons may not store waste materials on site, including inside private storage sheds.

4. Safety and Security.

4.1. Patrons will have a functioning fire extinguisher available prior to starting an aircraft engine.

4.2. Patrons acknowledge that property stored at SML RASA is vulnerable to theft, vandalism, and other hazards. Patrons will immediately report any theft, vandalism, and/or suspicious activity to the appropriate authorities.

4.3. To use the SML RASA the patron must agree to waive all claims against the United States Air Force and its agents for any personal injury, damage or loss to the patron's person, aircraft, and/or any other personal property. (See **Attachment 6**.)

5. Docks & Sheds.

5.1. Sheds/Storage Facilities.

5.1.1. Patrons may keep storage sheds in their assigned storage area.

5.1.2. Sheds or similar storage facilities will be no greater than 8 feet by 12 feet and no closer than 25 feet from the shoreline. Existing storage sheds exceeding size limitations may stay until the current patrons terminate their occupancy or further guidance dictates removal.

5.1.3. The location of storage sheds will be evaluated periodically to determine potential spills of contaminants into the lake, and owners may be required to relocate sheds within their assigned storage area.

5.1.4. A copy of the approval and/or authorization from the 673d Mission Support Group Commander (MSG/CC) to build and maintain a new shed will be made available to the Aero Club to be kept with the Rental Use Agreement.

5.1.5. The government reserves the right to inspect the interiors of the sheds upon request.

5.2. Docks.

5.2.1. All docks used on SML must comply with the US Clean Water Act and Alaska Statute (AS) Section 16.05.871, *Alaska Anadromous Fish Act*.

5.2.2. Prior approval from 673 MSG/CC is required for patrons to install a dock to gain safe access to their floatplane.

5.2.2.1. Individuals may, with written approval from 673 MSG/CC, install a free-floating dock, secured to the shoreline above the Ordinary High-Water Mark (OHWM).

5.2.2.2. The installation of the dock must be temporary and seasonal in nature. Floating docks will be removed before the lake freezes up.

5.2.3. Individuals wishing to install floating docks must coordinate with 773 FSS and 773d Civil Engineer Squadron Environmental Quality (CES/CEIEC) to obtain the requisite state and/or federal regulatory authorizations.

5.2.3.1. Activities requiring the discharge of any fill material below the OHWM is strongly discouraged.

5.2.3.2. Patrons will be responsible for any direct costs associated with obtaining regulatory authorizations, including Compensatory Mitigation, if required. Patrons are also advised that the permitting process may take time and may be expensive.

5.2.4. Existing docks conforming to federal and state regulations may remain in place until the current patron terminates their occupancy, or until further guidance dictates removal.

5.2.4.1. It is the responsibility of the patron to coordinate any permit renewals prior to expiration.

5.2.4.2. Patrons are authorized to repair private docks and must maintain their docks in a safe condition.

5.2.4.3. Patrons may not expand or modify existing docks without authorization from 773 FSS and state and/or federal authorities, as applicable.

5.2.5. The patron is responsible to remove docks and sheds upon termination of the Rental Use Agreement unless donations are made and accepted in writing by the Aero Club.

6. Habitat and Environmental Responsibilities. Patrons are advised that SML is an anadromous water body. Salmon spawning in the lake are recognized as an important food source for endangered Cook Inlet Beluga Whales.

6.1. Deliberate or negligent destruction of lake floor or shoreline without the requisite federal and state authorization is a violation of both federal law (*Clean Water Act; Magnuson-Stevens Fishery Conservation and Management Act*) and state law (AS §16.05.871). Patrons must take reasonable measures to prevent permanent damage to the natural shoreline and not engage in any activity that is likely to cause the shoreline to erode. This obligation can be achieved by proper preservation and maintenance of shoreline vegetation.

6.2. Patrons may not install riprap (sustaining wall), or other material designed to alleviate erosion without the appropriate federal and state permits and approval of the 673 MSG/CC.

6.2.1. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the water body, including those species that normally migrate through the area.

6.2.2. Activities in fish spawning and bird nesting areas during spawning/nesting seasons must be avoided. Activities that result in the physical destruction of an important spawning/nesting area are not allowed (e.g., excavation, fill, or downstream smothering by substantial turbidity).

6.2.3. Activities may not create an impoundment of water or adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow.

6.3. Water course, condition, capacity, and location must be maintained, and all activities must be conducted to withstand expected high flows.

6.4. No activity is authorized which is likely to directly or indirectly jeopardize or affect the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Endangered Species Act of 1973, or which will directly or indirectly destroy or adversely modify the critical habitat of such species. This is to include effect to Cook Inlet beluga whale and their prey.

6.5. Patrons are responsible for ensuring their activities comply with the Title 16 United States Code Sections 703-712, *Migratory Bird Treaty*, and Title 16 United States Code Section 668-668c, *Bald and Golden Eagle Protection Act*.

6.6. Patrons must notify 673 CES/CEIEC Cultural Resources Program Manager immediately if they discover any previously unknown historic, cultural, or archeological remains and artifacts.

6.7. All patrons must empty water from pontoons and remove all aquatic vegetation from aircraft before departing or returning to SML to minimize the potential for introduction of invasive species.

6.7.1. Vegetation removed from floats should be placed in a garbage bag and disposed of – **do not place back into the water.**

6.7.2. If invasive species are found or suspected, patrons must notify the Natural Resources office immediately at 907-384-3913. For description and reference photographs of common invasive species, refer to [Attachment 4](#).

7. Hazardous Materials.

7.1. All hazardous materials must be stored within a locked, waterproof shed or storage containers. Storage of hazardous materials is limited to the list below.

7.1.1. Sealed bottles of oil (max 12 quarts).

7.1.2. Miscellaneous aircraft fluids (max 2 quarts).

7.1.3. Charcoal lighter fluid (max 1 quart).

7.1.4. Fuel (max 5 gallons); must be in Underwriters Laboratory (UL) approved polyurethane container.

7.2. Any hazardous material brought onto JBER for use or storage must be approved by the JBER Hazardous Material Manager by using either the AF Form 3952, *Chemical Hazardous Material Request Authorization Form*, or the electronic equivalent in the Enterprise Environmental Safety and Occupational Health-Management Information System (EESOH-MIS).

7.3. Patrons will not discharge any amount of petroleum products or any wastewater containing petroleum products into SML or on the land.

7.4. Patrons must immediately report observation of any spill of hazardous or waste material, including petroleum, oil, and lubricants. Reports are made by calling 911 and asking for JBER Fire Dispatch.

7.5. Aircraft refueling must conform to the SPCC outlined in **Section 8**.

8. Spill Prevention Control and Countermeasure (SPCC) Plan.

8.1. **Training.** All users of SML RASA will receive training for fuel spill, containment, and recovery. Training will be provided by the 673 CES/CEIEC or other properly trained individual.

8.1.1. Training will address the SPCC plan described in this section, spill response, operation of fire extinguishers, And the requirements of this section in detail.

8.1.2. All training must be documented using AF Form 55, *Employee Safety and Health Record*, or equivalent.

8.2. Fuel & Oil Containers.

8.2.1. **Oil Containers:** Engine oil for aircraft must be stored in its original manufacturer containers (containers should not exceed four quarts).

8.2.2. **UL Portable Fuel Container** s: UL listed portable containers may not hold more than five gallons of fuel and must have a means to automatically close when fuel is not being dispensed.

8.2.3. **UL Mobile Fuel Tanks:** These tanks may not contain more than 200 gallons of fuel, must meet all applicable UL and Department of Transportation (DOT) safety requirements, and the hose cannot be more than 50 feet in length.

8.2.4. **Permanent Fuel Tanks:** Installation of any permanent fuel tank must be coordinated with 773 FSS and 673 CES/CEIEC and approved in writing by 673 MSG/CC. These tanks must comply with and be maintained according to all applicable regulatory requirements. Spill reporting placards must be posted on all land-based tanks. Placards are available from 673 CES/CEIEC.

8.3. Fuel & Oil Transfer.

8.3.1. **Refueling.** Only designated areas may be used for refueling operations conducted at the SML RASA (see [Attachment 3](#) for locations). Ground wires must be used, and all fuel containers must be grounded prior to opening.

8.3.1.1. Spill containment equipment must be placed at the fueling site. Standard spill kits will be readily accessible during each refueling operation. Spill kits must contain equipment specifically designed for response to releases on land and water.

8.3.1.1.1. Absorbent pads must be used to clean up any fuel spilled on the aircraft during refueling operations. Pads will be placed around the fuel tank opening to ensure fuel does not run off the aircraft and into the water.

8.3.1.1.2. Fuel-contaminated pads must be properly disposed upon completion of refueling operations.

8.3.1.2. A fire extinguisher must be readily accessible at the refueling site. Patrons must be familiar with operation of the specific fire extinguishers located at the refueling area.

8.3.1.3. If portable containers are used, only one 5-gallon fuel container will be allowed on the dock or aircraft at a time. The 5-gallon fuel container on the dock or airplane will be placed on secondary containment.

- 8.3.1.4. If fuel is dispensed from a portable fuel tank or land-based tank using a hose, a cap must be installed over the end of the dispenser when deploying the hose to and from the aircraft. This will prevent fuel from draining out of the dispenser during movement. After fueling, the pump must be turned off and the hose retracted and properly stored to prevent releases.
- 8.3.1.5. A fuel dispenser handle latch may not be used, and patrons must be present at all times during refueling operation in order to prevent surging and overfilling of the fuel tank.
- 8.3.1.6. An approved waste fuel container must be available at the refueling site. All fuel drained from tank sumps must be placed in the approved waste fuel container.
- 8.3.2. Prior to any petroleum, oil, or lubricants being transferred to the aircraft, a spill containment boom must be deployed around the perimeter of the aircraft. The boom will be Class II for use on water. The boom must be retracted and properly stored after each refueling operation. Not deploying the boom will be grounds for termination of the Rental Use Agreement.
- 8.3.3. Routine maintenance may be conducted at the designated maintenance areas. A drip pan (or pans) must be placed underneath the engine compartment prior to conducting routine maintenance such as changing the oil in the aircraft.
- 8.3.3.1. Drip pans must be capable of containing 110% of the largest volume of petroleum product being added or drained from the aircraft. Absorbent pads will be used to contain any petroleum products that drip onto the pan.
- 8.3.3.2. Oil and oil-stained/soaked pads must be properly disposed of upon completion of maintenance operations.
- 8.3.4. All hazardous waste must be coordinated with the JBER Hazardous Waste Program Manager prior to disposal in accordance with the JBER Integrated Hazardous Material Plan. Any hazardous waste generated at SML must be removed on the same day it is generated and properly disposed of by the patron.

8.4. Spill response.

- 8.4.1. Immediately call 911, ask for the JBER Fire Department, and follow the checklist in [Attachment 2](#).
- 8.4.2. If possible and safe, stop the source of the spill by turning off power to pumps, righting containers, or placing spill equipment under a leaking hose.
- 8.4.3. If possible and safe, deploy required materials from the spill kit. Absorbent pads may be placed on the soil or surface of the water to contain fuel releases. If fuel is released to water, ensure the containment boom is properly deployed to prevent fuel from spreading on the lake. Additionally, use a snake boom along with the Class II boom, as it will better contain and manage a release.

8.5. Potential impact for fuel or oil spills.

- 8.5.1. Fuel and/or oil released to land could result in excavation of contaminated soil and significant cost for clean-up.

8.5.2. Fuel and/or oil released to land adjacent to water could migrate into and contaminate surface waters.

8.5.3. Fuel and/or oil released directly to water could contaminate a large area of fresh water and could eventually be transported into Knik Arm. Fuel and/or oil releases to surface water are generally difficult to contain and expensive to clean up.

8.5.4. Patrons may be required to conduct cleanup, including excavation and disposal of contaminated soil, water, and spill response equipment. For 673d Civil Engineer Squadron (CES) response and/or any cleanup efforts, patrons may be responsible for financial reimbursement.

9. Fees and Charges.

9.1. Rental application and aircraft storage fee will be submitted to JBER Aero Club.

9.2. The 773d Force Support Squadron Director (FSS/CL) is the approving authority for aircraft storage fees. Fees will be based on a reasonable value of the service offered to patrons and will include recovery of administrative expense for managing the service. Fees will be posted at the Aero Club.

9.3. Storage fees are paid for in full month increments by credit card. Recurring charges will be made on the 15th day of each month until patrons submit a termination request in writing to Aero Club. The first month's fee may be prorated if rental agreement begins after the 15th day of the month.

9.4. An Aero Club staff member will notify or attempt to notify customers as soon as their account becomes delinquent. A record of all contacts or attempts to contact the patron will be maintained.

9.4.1. Accounts more than 30 days delinquent are subject to a late fee of \$25.

9.4.2. When accounts are more than 60 days delinquent, property located in the storage area may be considered abandoned.

10. Abandoned Property.

10.1. Upon the termination of a patron's Rental Use Agreement, patrons must remove all personal property from the site. Personal property includes any consumer items, equipment, aircraft parts, floating docks, and sheds situated within the assigned parking slip.

10.1.1. Any personal property left within an assigned parking slip after termination of the patron's use will be considered abandoned property. Patrons will be assessed the cost of collecting and disposing of abandoned property.

10.1.2. Aero Club will inventory any abandoned hazardous material and dispose of it as hazardous waste in accordance with federal and state law.

10.2. Patrons may contact the Aero Club to offer donations of personal property to JBER (e.g., storage sheds or docks). Should the donation be accepted, patrons will not be responsible for their removal. All offers and acceptance of personal property must be in writing.

10.3. Aircraft left behind after termination of the Rental Use Agreement will be considered abandoned. Abandoned aircraft will be managed in accordance with AFI 31-218/Joint Publication Army Regulation (AR) 190-5, *Motor Vehicle Traffic Supervision*. Installation management options include impoundment and ultimate sale of the abandoned aircraft.

10.4. Patrons will be assessed all costs incurred by the federal government related to the management, transportation, storage, and sale of an abandoned aircraft.

11. Authority to Modify Use Agreement.

11.1. The 773 FSS/CL is authorized to make any changes to the Rental Use Agreement necessary to meet changing conditions or requirements, to include adjustment of fee schedules.

11.1.1. If changes are necessary, this instruction will be rewritten or have an interim change attached until a rewrite is accomplished IAW publication policies set forth in Department of the Air Force Manual (DAFMAN) 90-161, *Publishing Processes and Procedures*.

11.1.2. Patrons will be given 60-day notice of any changes to fee schedules.

DAVID J. WILSON, Colonel, USAF
Commander

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

16 USC §668-668c, *Bald and Golden Eagle Protection Act*

16 USC §703-712, *Migratory Bird Treaty*

DAFI 34-101, *Department of the Air Force Morale, Welfare, and Recreation (MWR) Programs and Use Eligibility*, 07 March 2022

DAFMAN 90-161, *Publishing Processes and Procedures*, 15 April 2022

AFI 10-1001, *Civil Aircraft Landing Permits*, 23 August 2018

AFI 31-218/Joint Publication AR 190-5, *Motor Vehicle Traffic Supervision*, 22 May 2006

AFI 33-322, *Records Management and Information Governance Program*, 23 March 2020

3WGI 13-204, *Elmendorf Airfield and Air Traffic Control Procedures*, 01 June 2022

JBER *Integrated Hazardous Material Plan*, 25 October 2020

Clean Water Act

Magnuson-Stevens Fishery Conservation & Management Act

Endangered Species Act of 1973

AS §16.05.871, *Anadromous Fish Act*

Prescribed Forms

None

Adopted Forms

DAF 847, *Recommendation for Change of Publication*

DD 2400, *Civil Aircraft Certificate of Insurance*

DD 2401, *Civil Aircraft Landing Permit*

DD 2402, *Civil Aircraft Hold Harmless Agreement*

AF 55, *Employee Safety and Health Record*

AF 3952, *Chemical Hazardous Material Request Authorization Form*

Abbreviations and Acronyms

AFI—Air Force Instruction

AR—Army Regulation

DAF—Department of the Air Force

DAFI—Department of the Air Force Instruction

DAFMAN—Department of the Air Force Manual

DoD—Department of Defense

DOT—Department of Transportation

EESOH-MIS—Enterprise Environmental Safety and Occupational Health-Management Information System

FAA—Federal Aviation Administration

JBER—Joint Base Elmendorf-Richardson

NAF—Non-Appropriated Fund

OHWM—Ordinary High-Water Mark

SML—Six Mile Lake

RASA—Recreational Aircraft Storage Area

SPCC—Spill Prevention, Control, and Countermeasure

UL—Underwriters Laboratory

WGI—Wing Instruction

Office Symbols

CES—Civil Engineer Squadron

CES/CEIEC—Civil Engineer Squadron Environmental Quality

FSS—Force Support Squadron

FSS/CL—Force Support Squadron Director

MSG/CC—Mission Support Group Commander

OSS/OSAM—Operations Support Squadron Airfield Management

Attachment 2

SPILL RESPONSE CHECKLIST

Table A2.1. Spill Response Checklist.

SIX MILE LAKE SPILL RESPONSE CHECKLIST				
RESPONSE ACTIONS	Yes	No	N/A	Time/ Initials
Immediately notify JBER Fire and Emergency Services by calling 911 and ask for JBER Fire Department				
Report The Following:	Yes	No	N/A	Time/ Initials
Location:				
Source:				
Possible Cause:				
Present conditions (still leaking or spill contained) and extent of spill (estimated volume):				
Direction of spill movement (towards a ditch, into water, etc.):				
Location of nearest drainage ditch, sewer, storm drain, or water body:				
Extent of personnel injuries:				
If Evacuation Is Not Necessary and Responder Can Begin or Manage Spill Cleanup:	Yes	No	N/A	Time/ Initials
Stop all sources of ignition and source of spill (if possible).				
Obtain and deploy spill cleanup materials/equipment.				
Initiate spill cleanup or response until JBER Fire and Emergency Services or other personnel arrive.				
Initiate Evacuation If Necessary:	Yes	No	N/A	Time/ Initials
Evacuate to an updrift or upwind location a safe distance from the spill.				
Activate signals (horns, bells, whistles, etc.) to alert others of potential dangers.				
Stop all vehicle traffic into the area.				
Limit access until JBER Fire and Emergency Services arrive.				
Shut off electrical power and valves if safe to do so.				

Attachment 3

SIX MILE LAKE (SML) STORAGE AND REFUEL MAPS

Figure A3.1. SML Aircraft Storage Area.



Figure A3.2: SML Refueling Areas (Close-up view).



Attachment 4

AQUATIC INVASIVE SPECIES INFORMATION


Figure A4.1. Aquatic Invasive Species Information.

AQUATIC INVASIVE SPECIES INFORMATION

REPORT IT! If you find one of these species, note the location and take a sample or photo.
Call 1-877-INVASIV


Northern Pike: *Esox Lucius*

- Long, elongated body and head with a broad, duck-bill shaped snout
- Jaws, roof of the mouth, tongue, and gill rakers all have sharp teeth
- Native to interior and northern Alaska; invasive in Southcentral Alaska
- Live in shallow, slow waters with abundant aquatic vegetation




Reed Canary Grass: *Phalaris arundinaceae*

- Stems grow 2 – 6 feet tall
- Leaf blades are rough and have a transparent ligule on sheath
- Grow in stream banks, wet and dry meadows, and shallow marshes
- Grows too densely to provide cover for waterfowl and mammals




Purple Loosestrife: *Lythrum salicaria*

- Grows up to 6 – 8 feet; Flowers have 5 -7 petals with a yellow center
- Can reproduce from roots or stem fragments
- Other than in gardens, only found in Anchorage's Westchester Lagoon
- Alters wetland structure and function and eliminates natural cover




Elodea: *Elodea canadensis* and *Elodea nuttallii*

- Leaves in whorls of 3 or sometimes 4
- Grow in tangled mass in relatively shallow lakes, sloughs, and rivers
- Reproduce vegetatively: every stem or fragment becomes new plant
- Can be spread by float planes, boats, and dumped aquaria



Signal Crayfish: *Pacifastacus leniusculus*

- There are no native crayfish in Alaska
- Bluish-brown to reddish in color with large, smooth claws
- A white to bluish-green patch at claw hinge



- Found in Buskin River drainage in Kodiak



Spartina: *Spartina spp.*

- Dense stems and thick roots; form in circular patterns
- Spreads by seed or root fragments
- Plant pieces may float for two months or more
- Grow in mudflats and intertidal marsh zones

Dreissenid Mussels: Zebra Mussel: *Dreissena polymorpha*, and Quagga Mussel: *Dreissena rostriformis bugensis*

- Adults develop byssal threads to allow for attachment; natives do not
- Inhabit freshwater and do not tolerate saline water
- Zebra mussels: attach to stable substrates like rocks and boats
- Quagga mussels: attach to hard and soft substrates

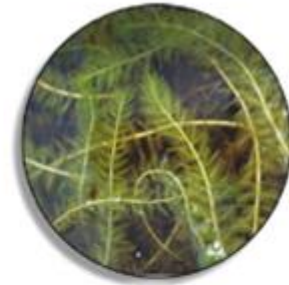


New Zealand Mudsnails: *Potamopyrgus antipodarum*

- Elongated, cone-shaped spire shell that coils to the right
- Can close an operculum or "lid" that seals the opening
- Reproduces sexually or asexually
- Saline tolerant to 15 ppt

Eurasian Watermilfoil: *Myriophyllum spicatum*

- Feather-like leaves arranged in whorls of 4
- Leaves have more than 14 leaflets, native species have less than 14
- Reproduce vegetatively by fragmentation and roots
- Found in 0.5-3.5m deep fresh or brackish water

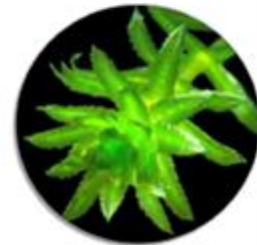


Brazilian Elodea: *Egeria densa*

- Densely packed leaves in whorls of 4 – 8
- Grows in tangled masses near the water surface
- Only male plants found in the U.S., but reproduce from fragmentation
- Grows in lakes, rivers, sloughs, and ponds

Hydrilla: *Hydrilla verticillata*

- Closely resembles Elodea but leaves have sharply toothed margins
- Reddish midrib on leaf; often have spines
- Creates "tubers" in the fall that can withstand ice cover, herbicides and drying



Attachment 5

SUPPLEMENTAL HOLD HARMLESS AGREEMENT

Figure A5.1. Supplemental Hold Harmless Agreement.

SUPPLEMENTAL HOLD HARMLESS AGREEMENT FOR SIX MILE LAKE
(Submit to 3d Operations Support Squadron, Airfield Management)

FOR

(Print Full Name)

AT

SIX MILE LAKE AIRSTRIP AND SEA/SKI LANE
Located on Joint Base Elmendorf-Richardson, AK

1.) I understand and acknowledge that the landing strip at **Six Mile Lake** is an unattended gravel strip located on property owned by the United States Air Force, and that it makes no assertions, guarantees, or warranties regarding the condition, safety, or fitness of the landing strip for use. Furthermore, the sea/ski lane is also located on property owned by the United States Air Force, and that it makes no assertions, guarantees, or warranties regarding the condition, safety, or fitness of the sea/ski lane for use.

2.) I further acknowledge that I am responsible for ascertaining and ensuring the suitability of the landing strip and/or sea/ski lane for operating in and out of **Six Mile Lake**.

3.) I agree to accept full responsibility and liability for any personal injuries, damages, or deaths arising out of or occasioned by my operations at **Six Mile Lake**.

By signing below, I acknowledge I have read and accept the terms of this agreement.

Printed Name

Signature Date

Attachment 6

RENTAL USE AGREEMENT

Figure A6.1. Rental Use Agreement.

**SIX MILE LAKE (SML) RECREATIONAL AIRCRAFT STORAGE AREA (RASA)
RENTAL USE AGREEMENT
(Submit to JBER Aero Club)**

Initial on the line to the left of each paragraph below to indicate you have read, agree with, and will comply with all statements.

_____ I certify that I have read, understood, and will comply with all instructions in JBELMENDORF-RICHARDSONI 34-110 and applicable sections of 3WGI 13-204. I understand rental use privileges may be revoked for non-compliance.

_____ I certify that I have submitted the following documents to 3 OSS/OSAM and have been approved for a Civil Aircraft Landing Permit:

- DD Form 2400, *Civil Aircraft Certificate of Insurance.*
- DD Form 2401, *Civil Aircraft Landing Permit.*
- DD Form 2402, *Civil Aircraft Hold Harmless Agreement.*
- *Supplemental Hold Harmless Agreement for Six Mile Lake.*

_____ I have been assigned **Storage Area(s)** _____. I certify that I have inspected my storage area and that it is clearly identifiable.

_____ I understand I will be charged on the 15th day of each month until I provide written termination of use per JBERI 34-110 (current fee schedule is available at the Aero Club). I understand that I must provide recurring payment information to JBER Aero Club prior to RASA use.

_____ I understand I am responsible for snow removal and maintenance of my rented storage area. I understand I will be held financially responsible for any slip remediation that may become necessary as a result of misuse, negligence, or non-compliance with JBELMENDORF-RICHARDSONI 34-110.

_____ I understand that JBER does not provide additional security specific to this storage area.

By signing below, I hereby agree to hold harmless Joint Base Elmendorf-Richardson and the United States Government for any damages or injury to my property, aircraft, and person that my occur at my storage area, Six Mile Lake, and the immediate area around the lake. In addition, I agree to indemnify the United States Government for any damage or injury to persons or property that result from my operation and storage of an aircraft or other equipment at Six Mile Lake Recreational Aircraft Storage Area.

Printed Name	Signature	Date
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Aero Club Official Printed Name	Signature	Date
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