

**2014 Annual Operating Instructions
Salmon/Pole/Champion, Owl Creek & Fisher Creek S&G Allotments**

1: INTRODUCTION:

Permitted Use:

| Permittee | Allotment | Numbers | Season | Head Months |
|--|---------------------------------------|------------|------------------|--------------|
| Plateau Farms #4572 | Owl Creek # 40700 | 850 e/l | 07/06 - 07/30 | 699 |
| | Salmon/Pole/Champion (SPC) # 40500 | 850 e/l | 08/01 - 08/20 | 559 |
| | | 950 e/l | 06/11 - 08/20 | 2218 |
| | | 1725 dries | 08/21 - 10/20 | 3459 |
| | | 1725 dries | 08/21 - 10/20 | 3459 |
| <i>(Owl Cr = 699 HMs & SPC = 9695 HMs)</i> | | | <i>Total HMs</i> | <i>10394</i> |

Authorized Use: Upon payment of fees, you are authorized to graze as follows:

| Allotment | Numbers | Band | Approximate Season* | Head Months |
|--|---------------|------|---------------------|-------------|
| Owl Creek | 830 e/l | 2 | 07/03 - 07/26 | 655 |
| Salmon/Pole/Champion | 830 e/l | 2 | 07/27 - 08/06 | 300 |
| Sheep Driveway (SPC) | 790 e/l | 3 | 06/07 - 06/10 | 104 |
| Fisher Creek | 790 e/l | 3 | 06/14 - 07/01 | 468 |
| Salmon/Pole/Champion | 790 e/l | 3 | 07/02 - 08/08 | 987 |
| Salmon/Pole/Champion | 1500 dry ewes | 1 | 08/11 - 10/15 | 3255 |
| Salmon/Pole/Champion | 1500 dry ewes | 2 | 08/12 - 10/16 | 3255 |
| Sheep Driveway (SPC) | 1500 dry ewes | 1 | 10/20 - 10/25 | 296 |
| Sheep Driveway (SPC) | 1500 dry ewes | 2 | 10/21 - 10/26 | 296 |
| <i>(Owl Cr = 655 HMs, SPC = 8493 HMs & Fisher Cr= 468 HMs)</i> | | | <i>Total HMs</i> | <i>9616</i> |

*These dates are approximate, and are subject to change. Actual on-dates, off-dates, and grazing rotations will be determined on the basis of range readiness, utilization, truck availability, presence of wolves, or other resource considerations as deemed necessary by the authorized Forest Officer. Such changes will typically be made in consultation with the permittee(s). Actual dates will be determined as the season progresses to avoid areas frequented by wolves.

Permitted Livestock Brand:

-II-

2: COMPLIANCE:

This AOI is made part of your Term Grazing Permit consistent with Part 1, Item 3 and Part 2 Item 8(a) of the General Provisions and Requirements. Your compliance with these instructions is essential for the proper management of National Forest System lands. Failure to comply with the terms and conditions of your permit and these instructions may result in issuance of a notice of non-compliance with the terms of your grazing permit.

Permittees with livestock in rested units, grazing units outside the season of use, and grazing areas not authorized, will be held non-compliant with the terms and conditions of their Term Grazing Permit. Such non-compliance may result in billing for excess use, permit modification / cancellation, or other actions as provided in FSH 2209.13.

Situations may develop during the grazing season which require modifications to these instructions. If this becomes necessary, or if you cannot comply with some part of these instructions, contact the District Ranger and obtain approval before initiating changes or deviating from these instructions.

Notice of non-compliance actions: None taken in 2013.

All livestock feed or straw brought on to the forest is required to be certified weed free.

3: PREVIOUS YEAR GRAZING RESULTS:

Ocular estimates for SPC and Fisher Creek Allotments indicate that overall compliance with utilization standards was achieved for the 2013 grazing season. Grazing the Cut-Off Road went well and ocular inspections show upland standards were met. Owl Creek Allotment was not inspected. All mapping requirements for grazing in Fisher Creek were met in 2013.

4: BILLING:

The 2014 cost per Head Month for cattle is \$1.35 per head month/cattle. A Bill for Collection will be mailed to you. Grazing fees must be paid by the date specified on the Bill for Collection to:

*USDA Forest Service c/o Citibank
PO Box 301550
Los Angeles, CA 90030-1550*

Confirmation of payment through the “lock box” process must be received before livestock can enter NFS lands.

5: LIVESTOCK MANAGEMENT:

2014 Rotation:

| Unit/Area | Approximate Rotation* |
|---------------------------------|--|
| <i>Ewe/lamb band #2</i> | |
| Owl Creek | Contact Bill Whitaker (622-0080) a few days prior to unloading |
| | 07/03 - Depending on wolf activity, unload off Baker Creek Rd near Hwy 75, or at Spring Creek. Immediately trail to Owl Creek Allotment crossing the Wood River via the bridge at the mouth of Silver Creek |
| Salmon | 07/27 or 28 - Over Galena to Salmon River Unit grazing the higher areas of the drainage until shipping |
| Approximate dates On private | 08/7 to 08/10 - Ship lambs 09/18 to 09/25 – Shear ewes |
| <i>Ewe/lamb band #3</i> | |
| Trailing | 06/07 – 06/10 Trail on sheep driveway |
| School Section** | 06/11 – 06/13 school section |
| Fisher Creek S&G | 06/14 - head up lower 4th of July Creek for access to cross over into Fisher Creek S&G Allotment.*** 07/01- off Fisher, into 4 th of July and overnite in 4 th of July |
| Milky/Champion | Milky Creek / Champion will be grazed, use will be for approximately seven days starting 07/02. <ul style="list-style-type: none"> • Avoid all moderate and high severity burned areas of the Valley Road Fire shown on the map provided to you prior to entering the Milky Creek/Champion area. • Avoid all aspen stands within the fire perimeter. • Avoid all south slopes within the fire perimeter. • Avoid conifer regeneration trampling within the fire perimeter. Then heading back out the same general way as entered, avoiding areas already trailed through or any portion that has been previously grazed. |
| School Section** | 07/09 – 07/11 |
| Horton Peak Taylor Flat | 07/12 - Head to Taylor Flats and Horton Peak area grazing high on the face of the hills. Then to Twin Creeks, and to the top of Pole Creek |
| Pole / Germania Three Cabins | Graze these areas until the end of July, then Pole Creek Meadows until the beginning of August |
| Approximate dates On private | 08/09 to 08/11- Ship lambs 09/18 to 09/25 - Shear |
| <i>Dry Band #1</i> | |
| Trailing | 08/11 back on the forest with band of 1500 dries |
| School Section** | 08/14 on the school section for about 10 days |
| 4th July | Graze 4 th July avoiding areas already trailed through or any portion that has been grazed by e/l band #3 (if necessary) |
| Champion Lost / Horton | Graze low utilizing the Taylor Flats troughs, heading towards Little Springs |
| Pole | Graze Little Springs following the guidelines listed in Section 8 for TES fish. |
| Fall Trailing | 10/20-10/25 |
| <i>Dry Band #2</i> | |

| | |
|---------------|---|
| Pole | 08/12 – back on the forest with 1 band of dries to “Two-Trees” in lower Pole, utilizing areas not previously grazed with e/l band #2 |
| Salmon | Utilize Camp Creek area to Chemeketan Camp Ground area, grazing lower in the drainage. |
| Pole | Graze North Cut-Off Rd (10 day maximum), grazing once over and avoiding aspen stands. then briefly to Little Springs prior to trailing, following the guidelines listed in Section 8 for TES fish and avoiding areas previously used with dry band #1. |
| Fall Trailing | 10/21-10/26 |

*When utilization is met in each unit or area sheep are to be moved on to the next scheduled unit or area, or removed from the allotment. This standard can be met with once-over grazing.

** No authorization to graze State Lands (School Section) is implied. This unit is shown in the grazing rotation schedule for the purpose of continuity.

***Please see additional requirement in Section 8: Permittee, Herder or Camp Tender Instructions

Pole Creek Meadow Section 19 & 30 will be rested once every three years.

| | | | | | | | | |
|--------|--------|--------|--------|---------------|--------|--------|--------|--------|
| 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| rested | grazed | grazed | rested | grazed | grazed | rested | grazed | grazed |

You will be responsible for monitoring livestock move thresholds or “triggers” during the grazing season. These “triggers” will assist you in ensuring that end of season utilization standards are not exceeded. The Sawtooth NRA range staff will conduct spot checks as necessary. Typically, “triggers” will be the standard(s) listed below in section 6, “Standards and Guidelines”. **It is strongly suggested that livestock be moved before utilization standards are reached.** This will help to prevent forage utilization in excess of standards, allowing for time to clean the unit of stragglers.

The scheduled “off-date” is not the day to start moving your herd; it is the date by which you should have all permitted livestock removed from the pasture or allotment.

If you move your permitted livestock on to the allotment later than the scheduled “on-date”, and want to stay past your “off-date”, then you must make arrangements early in the grazing season, and obtain approval from the District Ranger or other authorized Forest Officer.

Please realize that it is in your best interest to herd sheep throughout useable areas in the currently authorized pasture. **Use of riparian areas needs to be carefully monitored by you.** If sheep are allowed to concentrate in riparian areas and around water developments, utilization standards will likely be reached prior to the scheduled pasture move or “off-date”. This may result in directed early pasture moves or early removal of livestock from the allotment.

6: STANDARDS AND GUIDES:

You are responsible for tracking forage use levels and complying with utilization standards. For your convenience, the Salmon/Pole/Champion, Owl Creek and Fisher Creek S&G Allotments maximum allowable forage utilization levels under the Sawtooth FLRMP are listed below.

Riparian Areas:

Water sedge (*Carex aquatilis*) or Nebraska sedge (*Carex nebraskensis*) will be the key species measured to determine riparian (greenline) utilization.

1. Standard RAST01 - Maximum 45 percent use or retain a minimum stubble height of 4" on hydric greenline species, whichever occurs first. This standard applies to the streams that are moving towards or meeting Forest Plan vegetation desired conditions.
 - a) Fisher Creek - 4" utilization standard
 - b) Owl Creek – 4" utilization standard
 - c) Pole and Champion Units - 4" utilization standard
2. Streams not meeting these conditions will fall under the following standard. Management Area 2, Standard 02143 - Forage utilization for riparian areas shall not exceed 30 percent use of most palatable forage species, or must retain a minimum 6 inch stubble height of hydric greenline species, whichever occurs first, *when riparian goals and objective are not being met.*
 - a) Salmon Unit – Salmon River – 6" utilization standard

Upland Vegetative Cover Types: all allotments / units – Sagebrush / Fescue

Bluebunch wheatgrass (*Agropyron spicatum*) and Idaho fescue (*Festuca idahoensis*) will typically be the key species measured to determine upland utilization, though other species may be may be measured to estimate utilization at the discretion of the Forest Officer.

1. **Early season grazing** (ie: through early July): **40% use** or retain a minimum of 3-inch stubble height for Kentucky bluegrass, a 6-inch stubble height for Bluebunch wheatgrass, and a 2-inch stubble height for Idaho fescue, (Standard RAST01).
2. **Late season grazing**, after seed ripe conditions: will not exceed **50% use**, (Standard RAST01).

Note: The utilization percentages represent the maximum year end use that will be allowed based on current livestock management practices. This standard can be met through "once-over" grazing.

7: IMPROVEMENTS:

All improvements for which you have maintenance responsibility are listed in Part 3 of your Term Grazing Permit

The range improvement that will be necessary to manage livestock for the 2014 grazing season is #40604, Taylor Flat Water Development, which is listed in your Term Grazing Permit.

Improvements will be maintained to Forest Service standards before livestock enter the pasture.

When improvements have been maintained, please call the Stanley Ranger Station and report that maintenance has been completed. If verification is not received from the permittee prior to the allotment "on-date", follow-up inspections may be made. If it is found that maintenance has not been completed, and the responsible permittee's livestock are present on the allotment, the permittee may be billed for unauthorized use and / or permit action taken for non-compliance.

Permittee (or authorized agent of permittee) use of ATVs and motorcycles outside designated routes shown on the Sawtooth National Forest/Sawtooth National Recreation Area Motor Vehicle Use Map is limited to that required for allotment management operations such as maintenance and repair of range improvements, and distribution or retrieval of salt during or immediately after the authorized grazing season. Limited additional authorization is provided to facilitate sheep herder travel to and

from camps in the fall while permitted livestock are still grazing on the Salmon Pole Champion Allotment.

If an allotment is in non-use status, the permittee is still responsible for improvement maintenance.

All troughs must have a wildlife escape ramp installed in them. Failure to install these ramps may result in non-compliance for the season. Please contact SNRA range staff if you need ramps or instructions for installation.

No ground disturbing activities may be conducted by the permittee or their personnel on National Forest System lands without prior approval from the authorized Forest Officer. Upon approval, earth-disturbing equipment used on National Forest System lands such as cats, graders, and front-loaders shall be cleaned to remove all visible plant parts, dirt, and material that may carry noxious weed seeds. Cleaning shall occur prior to entry onto the project area and again upon leaving the project area, if the project area has noxious weed infestations.

Any plans to reconstruct or build new improvements on the Forest should be coordinated with the range staff.

8: PERMITTEE, HERDER or CAMP TENDER INSTRUCTIONS:

Please notify SNRA range staff at 208-774-3000 before allowing your livestock to enter the SPC, Owl Creek and Fisher Creek Allotments.

If you move your permitted livestock on to the allotment later than the scheduled "on-date", and want to stay past your "off-date", then you must make arrangements early in the grazing season, and obtain approval from the District Ranger or other authorized Forest Officer.

Permittees with livestock in rested units, grazing units outside the season of use, and grazing areas not authorized, will be held non-compliant with the terms and conditions of their Term Grazing Permit. Such non-compliance may result in billing for excess use, permit modification / cancellation, or other actions as provided in FSH 2209.13.

You will be required to provide a copy of these Annual Operating Instructions and map to each herder, and to **ensure each herder understands** the written contents. Evidence of failure to follow these requirements may result in action against your permit. Some key requirements relating to herd management are reiterated as follows.

You or your herd manager will provide sufficient riders or herders to obtain proper distribution, protection, and management of sheep on the allotment as required by the Rangeland Project Decision, Allotment Management Plan, or Annual Operating Instructions.

Fisher Creek:

***In-season information while in the Fisher Creek S&C Allotment shall be reported by the permittee to the Forest Service. A range technician from the SawtoothNRA staff will meet with the permittee's and / or herder to provide training on how the information is to be shown on the maps. Failure to provide this information within two weeks after leaving Fisher Creek S&G Allotment will result in issuance of a notice of non-compliance (NONC) for failure to comply with terms and conditions of the grazing permit.

The following information for Fisher Creek will be provided to the Forest Service by the permittee, (on a map provided by the Forest Service prior to 06/13):

1. Actual route taken by the herd (line drawing).
2. Herder camp sites and the dates occupied.
3. Overnight herd (bedding) locations and the date occupied.
4. Precise stream crossing and watering locations and the dates used.
5. Nooning locations and the dates used.
6. Using once over grazing, staying in the lower end of the allotment.

Valley Road Fire Restrictions in Fisher Creek:

1. Avoid all moderate and high severity burned areas of the Valley Road Fire shown on the map provided to you prior to entering the Fisher Creek Allotment.
2. Avoid all aspen stands within the fire perimeter, and do not bed in aspen stands within the fire perimeter.
3. Avoid south facing slopes as much as possible
4. Avoid nonnative plants (specifically cheatgrass and tumble mustard, see page 14 of AOI for picture and description) as much as possible
5. Be sure your herder is aware of these requirements

S/P/C:

Valley Road Fire restrictions for Salmon/Pole/Champion Allotment:

Do not graze moderate or high intensively burned areas of the Valley Road Fire

Keep sheep out of aspen, away from south facing slopes and away from known nonnative plants, (specifically cheatgrass and tumble mustard).

Be sure your herder is aware of these requirements

Maps with burn intensity for SPC and Fisher can be provided to you prior to the allotment "on-date". Please notify the range staff if you need additional copies.

Fish Restrictions:

Mitigate, through avoidance, the adverse effects of livestock access or activities that may result in trampling of redds or disturbance of spawning or reproductive staging of Endangered Species Act (ESA) listed fish species (Standard TEST25).

1. Preceding fall trailing over Pole Creek on Road 194, a spot check by the FS may be made for redds 300 feet upstream and downstream of the culvert. If redds are present, physical barriers or specific herding will be used to prevent sheep access to the redds during trailing.
2. The following restrictions apply to SPC, based on initiation of spawning for TES fish species:
 - a) *Pole Creek (below Twin Creek) and Salmon River (below Chemeketan CG):*
 - *Off August 15 (chinook salmon)*
 - *Watering only at turbulent reaches after August 15 (bull trout)*
 - b) *Champion, Fourth of July, Taylor, Twin, Rainbow, Grandprize, Germania, Galena, Three Cabins and Camp Creeks:*
 - *Watering only at turbulent reaches after August 15 (bull trout)*

North Cut-Off Road directions:

Once-over grazing will be allowed in 2014 in a portion of the the Pole Creek Burn, North Cut-Off Rd, which is the open flat area adjacent to private land. This area will be used a maximum

of 10 days. The FS, permittee and herder will meet on the ground prior to sheep entering the area to assure requirements are understood. The Pole Creek burn area will be evaluated on a yearly basis by agency personnel to determine range readiness and grazing limitations for subsequent seasons.

1. Herder wagon

- a) *Set up adjacent to the main Pole Creek Cut-Off Rd.*
- b) *Do not travel or set up on any closed or nonsystem / user created routes or establish any new routes within the the Pole Creek Burn.*
- c) *Do not set up near aspen or forested ares within the Pole Creek Burn area.*

2. Sheep bands

- a) *Graze / bed only in the open flat areas.*
- b) *Do not graze or bed down near aspen or forested areas within the Pole Creek Burn area.*
- c) *Try to avoid nonnative plants, specifically cheat grass may be in the area.*
- d) *Once-over grazing*

1996 Owl Creek Allotment EA mitigation measures:

1. Sheep grazing will be restricted in high cirque basins and slopes over 9,000 feet elevation to protect sensitive alpine plant communities and avoid forage conflicts with mountain goats
2. Titus Lake basin and upper Owl Creek basin will be closed to sheep entry
3. A buffer between Russian John and Silver Creek will be closed to grazing for the benefit of wildlife
4. Bridges should be used for stream crossings as much as possible

Sheep grazing:

Avoid trailing or grazing in aspen stands which have been treated to enhance aspen regeneration. The attached map (on page 16) of the Pole Creek Aspen Restoration Project shows the route for trailing around treated stands.

Grazing is not authorized beyond the upper watershed boundary of the Salmon River drainage into the Big Smokey Creek drainage. This has been noted as a problem by Fairfield District range personnel in the past.

Sheep grazing and access will be excluded from the narrow confined reach of the upper Salmon River in Section 15. Trailing in and out of the the upper Salmon headwater area will be confined to the bench above the stream and road to the east.

The Pole Creek Resource Natural Area (Pole Creek Guard Station) is closed to grazing. The boundary fence should be readily identified and easy to avoid

Do not allow sheep to be shaded or bedded within 100 yards of all creeks. If this is not reasonable due to topography, ensure that the sheep are as far back as possible from the creek.

Graze rather than trail to water, and if possible, water sheep at different locations each time.

Only one night/one time use of bed grounds is allowed.

Route sheep to avoid steep slopes with loose soil, watershed rehabilitation sites, active gullies and snowbank areas.

Only open or loose “once-over” grazing will be allowed, with the exception of designated sheep driveways, travel routes, or where specifically authorized.

Sheep trailing out of the allotment to access the Stanley-Ketchum Sheep Driveway will not cross through any stream containing designated critical habitat such as the Salmon River and Frenchman Creek.

Fall trailing from Galena Summit to the SNRA south boundary is limited to 5 days duration.

Route sheep at least 1/4 mile from Galena Lodge when crossing Gladiator and Senate Creeks. This area is closed for rehabilitation from historic sheep impacts and contains valued wildflower meadows for recreation purposes.

Notify Galena Lodge, Blaine County Recreation District and Robert or Beth prior to trailing past the Galena Summer Trails Project.

Sheep may be trailed over watershed divides above 9,000 feet where suitable, as long as they are loose herded and not allowed to bed or graze.

Where recreation prescriptions are applied, adjustments to grazing management practices should be evaluated to resolve conflicts in areas of concentrated recreation use. (General Direction RAGU10).

- **Do not bed sheep within 200 yards of designated campgrounds, trails, trailheads or maintained roads.**

Salting:

Sheep will be salted only at bed grounds. Salt will be placed in containers and moved with the sheep. Tarps and hollowed logs meet the criteria for salting in containers.

Loose salt must be in containers and salted at bed grounds only. Do not salt in areas above 9,000 feet, or in cirque basins at this elevation.

Do not place salt within 100 yards of any watering area or meadow unless you receive prior approval. This includes seeps, water troughs, and creeks. Salt will be removed from areas where the maximum allowable use levels have been reached or at the end of the grazing season.

Herder Camps:

Each camp will be kept clean, which means litter will be picked up and either hauled away or burned. Only combustible items may be burned.

Herder camp use will not exceed five days time in one location unless prior permission is obtained from the appropriate Forest Service official. Camps should be located to avoid conflict with other Forest users.

When pack and saddle stock are tied at camp, they are to be high-lined, picketed, or hobbled. Tying pack or saddle stock to trees at camp is prohibited.

Fire:

Employees must be kept informed of the current fire danger and the permittee's fire prevention responsibility. The Forest Service will advise permittees when special fire restriction orders become effective.

To meet Forest Service requirements, exhaust from camp stoves must be filtered through a spark arrester screen with no larger than 3/8 inch mesh.

Never leave camp fires unattended.

All camps must have a serviceable axe, shovel, and bucket for fire control.

Other:

Permittees are responsible for cleaning or repairing all roads and trails damaged by sheep. Immediate action is required.

Promptly remove or bury any sheep that have died within 100 yards or in sight of administrative sites, system roads or trails, corrals or sources of water. If warranted, other methods of removal may be allowed with special permission from the District Ranger.

All lands outside of designated travelways, motorized use shall be prohibited unless otherwise authorized.

By USDA order #04-00-097, all non-pelletized hay, straw or mulch possessed, stored, or transported on National Forest System Lands, in individual bales or containers, must be tagged or marked as weed free, or must have the original and current evidence of weed free certification documentation present. All markings must meet State and / or County standards for certification as weed free.

9: REQUIRED REPORTING:

Fisher Creek required mapping discussed in Section 7.

Enclosed is an actual use record form for the upcoming season. Please use this form to record the time (dates) livestock spend on an allotment as well as other information such as livestock loss, salting, grazing use, resource concerns, improvement needs etc. The grazing use record should be returned to the district office within 30 days after the grazing season.

Please submit requests for credits or refunds before December 31.

10: INSPECTIONS & MONITORING:

Range inspections may be made several times during the grazing season to check maintenance of range improvements, forage utilization, and compliance with the grazing rotation and standard requirements. If you are interested in participating in allotment inspections, please notify the range staff at the beginning of the grazing season.

End-of-season compliance monitoring will be conducted by the SNRA Range Staff. Exceeding end-of-season utilization standards will be regarded as an instance of non-compliance with the terms of your grazing permit. In addition to the potential for permit action, this may further result in the modification of grazing management (including reductions in Head Months or permitted area) until the risk of adverse impacts to habitat is minimized.

11: COORDINATION & COOPERATION:

Questions about what can or cannot be done in reference to defending livestock, harassing wolves, or shooting wolves should be directed to:

- John Rachael at the Idaho Department of Fish and Game (IDFG) Headquarters Office in Boise, Idaho (208-334-3700)
- Todd Grimm, USDA APHIS Wildlife Services in Boise, Idaho (208-378-5077)
- Sam Kocherhans, Wildlife Services contact for Ketchum, Stanley & Fairfield (208-681-8792)
- If Sam is not available call Eric Simonson, Wildlife Services contact in Challis (208-539-9458)

Permittees should continue working with their local Wildlife Services representative on depredation issues.

In order to reduce the potential for depredation, the Forest Service recommends that the following procedures be implemented each grazing season:

- Remove cattle and saddle stock carcasses from the area where they will not serve as an attractant to predators. The intent of this recommendation is not to require removal of carcasses from the allotment, but to remove them out of areas currently being grazed or areas soon to be grazed.

Work with IDF&G and Wildlife Services in implementing other effective preventative actions to reduce the risk of depredation.

The Forest Service recognizes that Plateau Farms LLC and Idaho Department of Fish & Game have developed a “Best Management Practice for Separation between Domestic Sheep and Bighorn Sheep” agreement because of the potential for conflict between wild sheep and domestics. In addition to BMP’s agreed to in that agreement, we also require the herders conduct regular sightings throughout the day for Big Horn sheep. We also require that the herder make the appropriate contact with the Forest Service or Idaho Department of Fish & Game when a bighorn sheep sighting is reported on or within a minimum of one mile of the Owl Creek, Salmon / Pole /Champion and Fisher Creek Allotments.

12: OTHER:

We look forward to working with you and solicit your cooperation and involvement in bringing about sound range and livestock management practices that will enhance all of the allotment's resources. If you have any ideas or suggestions that will improve the management of this allotment, we would like to hear from you. If you have any questions concerning these Annual Operating Instructions, please call Robert Garcia 774-3014, Beth Bratlie 774-3013 or myself at 208-727-5000.

14: SIGNATURE:

/s/ Joby P. Timm 05/13/2014
Joby P. Timm, Area Ranger Date

Permittee Date

14: MAPS, FORMS & ATTACHMENTS:

- a) Permittee Actual Use Form (use, losses, costs, etc.)
- b) Tumble Mustard Information

Tumble mustard

Scientific name: *Sisymbrium altissimum* (Mustard Family: Brassicaceae)



Tumble mustard, also known as Jim Hill mustard, is a broadleaf winter or summer annual and sometimes biennial plant with a highly branched top. Tumble mustard is found throughout California up to an elevation of 8200 feet (2500 m) and inhabits agricultural land and other disturbed sites.

Habitat

Orchards, vineyards, gardens, agronomic and vegetable crop fields, landscaped areas, roadsides, and other disturbed, unmanaged sites.

Seedling

The seedling has very small cotyledons (seed leaves) that are egg shaped to oblong, about 1/12 to 1/5 of an inch (2–6 mm) long and about 1/25 to 1/12 of an inch (1–2 mm) wide. They have no apparent stem. The first true leaf is slightly larger than the cotyledons, dull green, coarsely toothed, has an elongate football shape, and a few hairs along the edge and on the upper surface. Later leaves are similar to the first, but grow increasing larger and have shallow-toothed margins. Leaves are alternate to one another along the stem.

Young plant

Tumble mustard exists as a rosette until the flower stem develops at maturity. Leaves at the base of young winter rosettes are coarse and deeply lobed. Leaves near the top are smaller and deeply cut to form threadlike divisions. Although the rosette leaves of London rocket, *Sisymbrium irio*, and tumble mustard have similarities; those of tumble mustard have terminal lobes that are more triangular, while those of London rocket are egg shaped.

Mature plant

Stems are erect and branched. The plant can reach a height of 5 feet (1.5 m) tall. The related London rocket only reaches 1-3/5 feet (0.5 m) in height. Leaves at the base of tumble mustard (rosette leaves) are coarse and deeply divided, or lobed to compound (fully divided into separate leaflets), have stalks, and are about 6 inches (15 cm) long.

Upper leaves are stalkless, smaller than the lower leaves, deeply cut to form threadlike divisions, and do not clasp the stem. Long unbranched hairs sparsely cover leaves. In contrast, London rocket's upper leaves are oblong and have two spreading lobes at the base. Flixweed, *Descurainia sophia*, can be distinguished by its branched hairs compared to the unbranched hairs of tumble mustard. Also flixweed has very finely divided leaves whose leaflets are often finely divided once or twice again (tumble mustard leaves are divided only

once). Russian thistle, *Salsola tragus*, has leaves that graduate into rigid, spine-tipped scalelike structures (bracts) in the flower head, while in tumble mustard, upper leaves remain threadlike.

Flower

Flowers bloom from April through September. Tiny, pale yellow (rarely white) flowers with four petals cluster on thick, spreading stalks.

Fruit

The fruit, produced on a short stalk, is a one-ribbed, narrow pod about 1/24 of an inch (1 mm) wide and 2 to 4 inches (5–10 cm) long. Pods point somewhat upwards.

Seeds

Seeds are oblong, roughly 1/24 of an inch (1 mm) long, half as wide, and brownish yellow to dull orange.

Reproduction

Reproduce by seed. Mature plants tend to break off at the base and tumble in the wind, which shakes loose and spreads seed.

