

# **Frontier Pack Train**

**Operating Plan**

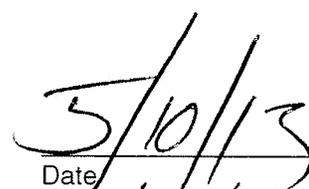
## Appendix BB

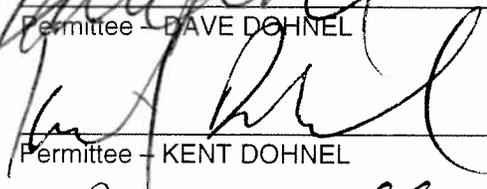
### 2013 ANNUAL OPERATING PLAN

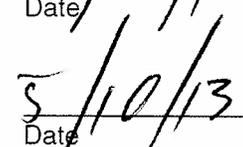
When signed by both the Special Use Permit Holder and the Forest Service authorized officer, this operating plan becomes part of the permit (Clause III. B.). Refusal to sign this operating plan does not relieve Holder of adhering to all provisions. The Holder is responsible for those portions of the operating plan that describe the actual business operation, Part V, Operations. The Forest Service is responsible for the remaining sections and exhibits. The authorized officer must approve in advance of operations any proposed changes to this operating plan. The authorized officer will make the final determination on issues involving resource protection and public health and safety.

#### Frontier Pack Train

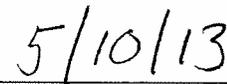
  
\_\_\_\_\_  
Permittee - DAVE DOHNEL

  
\_\_\_\_\_  
Date

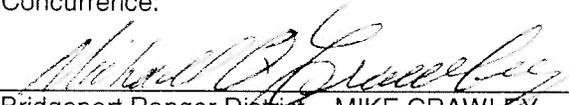
  
\_\_\_\_\_  
Permittee - KENT DOHNEL

  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Delegated Authorized Officer - JON C. REGELBRUGGE

  
\_\_\_\_\_  
Date

Concurrence:

  
\_\_\_\_\_  
Bridgeport Ranger District - MIKE CRAWLEY

  
\_\_\_\_\_  
Date

## I. PERMIT HOLDER and FOREST SERVICE REPRESENTATIVE(s)

The Representative(s) of: **Dohnel Brothers, Inc. dba Frontier Pack Train**  
are: **Dave and Kent Dohnel**  
Authorization ID: **LVD07005R**  
Address: **PO Box 656**  
**June Lake, CA 93529**  
Phone: **760-648-7701 (summer) 760-873-7971 (winter)**  
**760-920-1583 (cell)**  
Email: **frontierpacktrain@gmail.com**  
Web address: **www.froniterpacktrain.com**

The Forest Service representative with responsibility for this special use permit is/are:

### **AUTHORIZED OFFICER:**

**Ed Armenta**, Forest Supervisor, Inyo National Forest

### **DELEGATED AUTHORIZED OFFICERS:**

District Ranger, Inyo National Forest: **Jon C. Regelbrugge**, Mammoth and Mono Ranger Districts  
Permit Administrator: **Michael Morse**, Mammoth and Mono Ranger Districts

## II. GENERAL OPERATION REQUIREMENTS

- A. This operating plan includes the season and level of use for all pack stock outfitter guide activities, guidelines and limits for incidental grazing, approved use of National Forest system and non-system trails, roads and routes, and assigned use allocations.
- B. The Holder shall carry out the provisions of this operating plan including Exhibits 1-11, and shall require his employees, and agents to do likewise.

## III. COURT ORDERED REQUIREMENTS

The following requirements are set forth in the May 8, 2008 Order for Injunctive Relief.

### **A. Injunctive Relief, Item 3**

1. 3a and 3b. *The Forest Service will be solely responsible for authorizing pack stock services and will issue uniquely numbered permits in the name of the client who is the group leader. The permit will include the group leader's address.*
2. 3b. *The permit will specify the group's entry and exit dates, entry and exit trail heads, destination, party size and type of trip. Continue to use the Wilderness Permit Reservation Form to reserve entry quota. All information requested on the form must be provided for the reservation or permit to be issued. Incomplete information will delay the reservation or permit issuance.*
3. 3c. *No permits will be issued directly to commercial permittees, pack stations, or pack station employees, except in the case of full-service trips where pack station personnell accompany the trip for its duration.*
4. 3d. *Commercial pack stock permittees shall record all services on tally sheets, including, for each overnight trip, permit number, service start and end dates, entry and exit trail heads, number of clients, number of overnght employees, number of riding stock, pack stock, type of trip (including whether one- or two-way, campsite or drop-off/pick-up spot used, number of service days used, location of any grazing (including the number of stock grazing), and the number of days in a National Park (if applicable). Actual use shall be reported on the provided tally sheets (Appendix DD). Report all use on this sheet, including wilderness overnight and day use, stock drives, mustang viewing trips, non-wilderness overnight and days use.*

5. 3e. *Each pack station shall verify that its client has a valid wilderness permit before providing any service.*

6. 3f. *By the 15<sup>th</sup> of each month, each permittee shall submit to the Forest Service records of all services provided during the prior month.*

**B. Injunctive Relief, Item 4.**

1. 4a and 4b. *Overnight use will not exceed 95% of the average use for the time period 2002-2004 and that wilderness day use will not exceed 3,690 service days. Use allocations are displayed in Section III of this operating plan.*

2. 4c. *None of the temporary pool of service days authorized in the 2001 Plan may be allocated to providers of commercial pack stock services for the purpose of providing such services.*

3. 4d. *Camp set-up and take-down, and resupply trips shall be debited against service days by multiplying the number of stock needed to provide the service for such trip by the number of days needed to accomplish the service.*

4. 4e. *Day rides, including rides from overnight camps during full-service trips, may occur only on approved system trails as identified on Table 2.26 of the Final Environmental Impact Statement for the 2005 Plan.*

**C. Injunctive Relief, Item 5**

1. 5a. *The commercial trailhead quotas in the 2001 Plan shall be implemented at the beginning of the 2008 operating season, and complied with.*

2. 5b. *Case-by-case itineraries may be approved in accordance with the criteria set forth in the 2001 Plan. Submit requests at least two weeks prior to date of entry. Indicate the trail requested, name and number in the party, number of pack and riding stock, entry and exit dates, type of trip.*

3. 5c. *In addition to implementing the trail head quotas referenced in Paragraph 5.a., the Forest Service shall limit each pack station's use of destinations in areas designated as "red" on the Forest Service's "Use-Overlap-Impact Analysis", to 80% of historic use. See Section VI of this operating plan for your specific allocation and Exhibit 7 for all red areas and their use allocations.*

**D. Injunctive Relief, Item 6.**

1. *For all types of trips authorized under the Order, pack stock shall be limited by a 1:1.5 Stock-to-person ratio. Accordingly, for every multiple of 3 persons (including pack station personnel accompanying or otherwise servicing such a trip), 2 pack animals shall be allowed in addition to 3 riding stock. Pack station employees are included in the total party size with respect to the stock to person ratio.*

**E. Injunctive Relief, Item 7**

1. *The Forest Service shall prohibit all pack stock grazing and entry in occupied Yosemite Toad breeding and rearing habitat throughout the breeding cycle (through metamorphosis). In addition, during the breeding and rearing cycle, the Forest Service shall prohibit any pack stock entry or grazing within 100 yards of any permanent water source within occupied Toad habitat.*

2. *The Forest Service will notify Holders of the period of closure after the California Department of Water Resources Bulletin 120 is issued May 1.*

**F. Injunctive Relief, Item 8**

1. 8a. *The Forest Service shall implement the 10,000/10,400 ft. elevational campfire restrictions set forth in the 2001 Plan and prohibit exceptions to those elevational restrictions. Where a destination straddles the closure line, the collection of wood below the line for use above the line is prohibited.*

2. 8b. *The Forest Service shall prohibit the packing in or use of wood or any other solid fuel in areas closed to campfires.*

3. 8c. The Forests did complete an analyze campsite inventory data for all campsites within the wildernesses. Where firewood availability reaches the Court ordered thresholds, campfires were prohibited. This resulted in campfire restrictions in areas below the 2001 Wilderness Plan identified elevational closures.

The Forest Service did notify holders of changes affecting 2013 operations.

#### **G. Injunctive Relief, Item 9**

1. *All designated campsites, stock holding areas and spot and dunnage loading and unloading areas shall be allowed no closer than 100 feet from water.*

#### **H. Injunctive Relief, Item 10**

1. The Forest Service shall prohibit grazing in meadows containing streams that are rated as Functional-at-Risk (FAR) with downward or unknown trends.

### **IV. GENERAL PROVISIONS and FOREST SERVICE REQUIREMENTS**

#### **A. Permit Administration**

1. The Forest Service will issue all uniquely numbered wilderness permits in the name of the client who is the group leader.
2. The permit will specify the group's entry and exit dates, entry and exit trailheads, destination, party size, type of trip and the address of the group leader.
3. For spot or dunnage services, the permit shall be issued to the client group leader.
4. For all expense trips, including, but not limited to, full service, traveling, basecamp and hiking with pack stock, where pack station personnel accompany the trip for it's duration, the permit shall be issued the pack station.
5. For all expense trips where the pack station employees are camping in a different location than the clients, both the guests and the employees shall have a copy of the wilderness permit.
6. It is the pack station's responsibility to verify that its client has a valid wilderness permit before service is provided.
7. Tally sheets, **due by the 15<sup>th</sup> of each month**, shall record the permit number, name of party, service start and end dates, entry and exit trailheads, number of clients, number of overnight employees, number of riding stock, number of pack stock, type of trip (including whether one- or two-way) campsite or drop-off/pick-up spot used, number of service days used, location of any grazing, number of stock grazed and the number of entire days spent in a National Park. (Exhibit DD of the Resort Supplement)
8. By January 21<sup>st</sup> of each year, the Forest Service will make available to the public an accurate annual compilation that includes all tally sheets and permit records from the previous calendar year.
9. Itineraries approved on trails requiring case by case approval under the 2001 Wilderness Management Plan shall be documented contemporaneously and made publically available.

#### **B. Resource Protection**

1. It is the Holder's responsibility to inform all employees of the rules and regulations pertaining to the authorized activities specified in the special use permit and annual operating plan. The Holder is also responsible for all activities conducted under the authorization.
2. The Holder shall notify their permit administrator or District Ranger as soon as possible if the holder is aware that Holder's employees, contractors, or any person acting under the permit has violated any term or condition of the permit or any applicable law or regulation. Holder shall also make this same notification if they are aware that any employee, contractor, or any other person acting under the permit intends to violate any permit term or condition or applicable law or regulation.

3. Whenever it becomes necessary to restrict or limit the use of native forage by pack and saddle stock, in the interest of resource protection, the permit holder may be required to pack in and supply all necessary feed.
4. Livestock may be excluded from areas for resource protection or areas reserved for administrative use, as requested by the Authorized Officer.
5. Grazing, when authorized under the terms of the permit, applies only to pack and saddle stock that are actively engaged in commercial outfitting operations by the holder and is allowed only when incidental to and necessary to support a specific commercial trip. Grazing is not allowed between trips, or before or after the guiding season, except under the terms of a separately approved grazing allotment. Where grazing is permitted the outfitter has the responsibility to not adversely impact the range resource and complying with applicable resource protection requirements, including, but not limited to the direction for Resource Protection, Pack Stock Management and Utilization Standards contained in this Operating Plan. See Utilization Standards in Section XI. A.9.
6. No permanent summer-long camps are authorized. Base camp limitation is 14 consecutive days, unless otherwise agreed in advance.
7. The Forest Service will issue wilderness permits for **all** National Forest wilderness areas. Wilderness permits must be in the party's possession while in the wilderness. The pack station is responsible for ensuring that the party has a valid wilderness permit prior to entering the wilderness. For spot and dunnage trips, the clients shall possess the permit. For traveling trips, basecamp or other all expense type trips, the pack station wrangler or other staff will have the wilderness permit in their possession for the entire trip. For all expense trips where the employees are not camped directly with the clients, both the guests and the employees shall have a copy of the wilderness permit. The pack station is responsible for ensuring each client/party receives the required wilderness regulation sheet and handouts provided by the Forest Service. Case by case authorizations require a wilderness permit.
8. Bear proofing of human food, garbage and stock feed at the base facilities and during all stages of the operation is required. Guarding food is not an appropriate method of food storage. The counter-balance method (hanging items from a tree branch) or panniers/containers approved by the District Ranger are the only authorized method of food storage. The pack station is responsible to direct spot and dunnage clients to store food and garbage properly.
9. Manure accumulations shall be removed from all corrals and disposed of properly off NFS lands at season's end. If temporary storage occurs during the season, manure will be stored 100 feet away from water or in a non-leaking container.
10. Noxious Weeds:
  - a) The Holder and the Forest Service will develop a weed management plan for pack station facilities during the 2013 operating season to be included in future operating plans. See Exhibit 3 for the Working Draft Annual Weed Checklist. The weed plan for the authorized permit area would detail the measures for preventing, reporting, controlling and monitoring weeds [non-native plants as listed in the Jepson Manual (Hickman, 1993)] that would be taken by the permittee, its employees, contractors, and subcontractors. These measures may include the following:
    - (1) The permittee is encouraged to use weed-free hay and straw. When state weed certification programs are developed, the permittee will use only certified weed-free hay or feed for all activities occurring on Forest lands. Permittees who have infestations of high risk weeds on their private land or on other land they use for trailing or pasture will be asked to hold their livestock in a weed-free pasture for three days immediately before entering the Forest. All ground disturbing activities will address weed management measures as a part of prior approval.
    - (2) Any equipment used on Forest lands will be washed or steam cleaned prior to entering the Forest.
    - (3) Gravel, sand and soil brought on to the Forest will be free from noxious or invasive weed seeds or other propagative parts.

11. It is implied in this operating plan that a partnership is developed between the USDA Forest Service and the Holder to implement a policy of heritage stewardship. The Holder should actively promote a sense of conservation and teach their clients minimum impact skills and ethics. The following minimum impact practices apply to all operations.

- a) The campfire, in areas where permitted, is a social aspect of an outfitted trip; however, the lasting impacts of a campfire will be reduced in the following ways: Use of rock campfire rings should be eliminated and pit/plug fires utilized where appropriate. The use of fire pans or fire blankets is suggested as an effort to decrease fire scars. Always use existing campfire rings, if not using a fire pan. Campfires will be kept free of trash such as tin foil, unburnable materials and melted plastic. There shall be only one minimal sized fire ring remaining in a campsite each time a group leaves a campsite.
- b) Elevational campfire restrictions are set forth in the 2001 Wilderness Management Plan. Exceptions to those elevational restrictions are prohibited. Where a destination straddles the closure line, the collection of wood below the line for use above the line is prohibited.
- c) Packing in wood or any other solid fuel above the elevational fire closure is prohibited.
- d) All refuse resulting from operations under this permit shall be packed out or otherwise removed from National Forest System lands and waters. Camp areas will be kept clean and free of litter at all times, i.e., pull-tabs, cigarette butts, baling twine, foil, etc.
- e) Concentrate use on durable surfaces. In heavy use areas, concentrate use in existing heavily used campsites. Travel on constructed trails, which have been designed to accommodate heavy use. All campsites shall be at least 100 feet from water and trails.
- f) No waste or by-product shall be discharged into water if it contains any substance in concentrations, which will result in harm to fish and wildlife, or to human water supplies. Soapy water will be dumped at least 100 feet from any water sources. A sump hole for gray water disposal (after food particles have been strained) will be at least one foot deep and naturalized as the camp is moved.
- g) Nailing or wiring to live trees or snags, or cutting green trees is prohibited. Rope or shims are recommended to promote resource protection and easy dismantling of structures. Padding between live trees and poles or rails is encouraged. Wire is not acceptable.
- h) Stock will not be tied to trees except for short periods of time, for example; conducting trail maintenance, or saddling and packing of livestock. Proper use of a highline is recommended along with the use of tree saver straps or the equivalent. Highline should be used in a durable area well away from campsites. If supplemental feed is used, feed well away from campsite. If electric fences are used, they will be moved frequently and removed when leaving.
- i) Manure will be scattered to speed decomposition before breaking camp. Holes pawed by stock will be refilled.
- j) Operators are encouraged to use latrines for parties over 8 and when latrines are utilized, operators are encouraged to pack out the waste. Latrines will be located 200 feet from water. When latrines are not needed, the cat hole method is recommended for human waste disposal.

### **C. Health and Safety**

1. Incident Notification. The holder shall be required to contact the authorized officer as soon as practicable after the following incidents that occur on National Forest System (NFS) lands within the authorized area:

- a) Any incident resulting in death, permanent disability, or personal injuries that are life-threatening or that are likely to cause permanent disability;
- b) Any failure of a structural, mechanical, electrical component and its primary connection, or operator error, which impairs the operation or function of a passenger ropeway in a way that could

affect public safety, or any ropeway incident that requires reporting to State authorities;

c) A search and rescue operation to locate a person; or

d) Any incident that had or has high potential for serious personal injury, significant property damage, or significant environmental or other natural resource damage, including but not limited to avalanches, landslides, flooding, fire, structural failures or release of hazardous substances.

2. Method of Notification. The authorized officer shall determine protocol for how the notification must be made. Notification may be tailored to the unique characteristics of the permitted operation. Report incidents to the assigned permit administrator.

a) Contents of Notification. When notifying the authorized officer of an incident, the holder shall be required to specify when, where, and how it occurred, and who was present or affected by the event.

3. Any property owned or controlled by the Holder and left unattended on National Forest lands for more than 24 hours will be subject to impoundment under Secretary of Agriculture's Regulation 36 CFR 262, Subpart B.

4. When authorized horse or cattle drives utilize or cross roads that have vehicle traffic, necessary arrangements must be made for appropriate traffic control.

5. Holders are encouraged to provide first aid training to their employees.

6. Fire Control Plan –The Holder shall prepare a fire plan for approval by the authorized officer, (in accordance with Permit section XIV, clause U) that shall become part of the permit upon approval. The plan shall be completed by April 1, 2013.

#### **D. Trails and Day Rides**

1. Obstacles blocking the system trail, other than snow, such as downed logs, rocks, or brush, shall be removed prior to or during the first commercial trip and meet Forest Service trail standards. In designated wilderness, primitive methods shall be used to remove such obstacles. This authorization for removal of obstacles is intended to address isolated occurrences of obstacles such as downed trees or rocks following winter, or a specific event such as a storm. In the case of a trail with numerous obstacles over considerable portions of its length, such as a trail overgrown with brush due to sustained lack of maintenance, or following a fire, holder shall request and obtain specific authorization prior to commencing removing such obstacles.

2. The permit holder must obtain prior approval for the performance of any trail maintenance (other than removing obstacles) on National Forest System lands.

3. User created trails approved for commercial pack stock use are listed in Exhibit 4.

4. Ansel Adams and John Muir Wilderness system trails approved for commercial pack stock use are listed in Exhibit 5. Prior approval is required for any trips outside the normal area of operations. Trails identified as "Not Suitable for Commercial Stock" will remain closed to stock use.

5. Wilderness day rides, including rides from overnight camps during full-service trips, may occur only on approved system trails as identified on Table 2.26 of the Final Environmental Impact Statement for the 2005 Plan. (See Exhibit 5).

6. All non-wilderness trails, routes and roads available for commercial pack stock use are identified in Table 2.3 in the 2006 Permit Issuance FEIS. Trails, routes and roads specific to Frontier Pack Trains' use are listed in Section 3(c) of Appendix FF.

7. Cross country travel is allowed in all areas outside the the AA/JM Wildernesses and outside of identified high density recreation areas, except where resource impacts are identified (HDRAs mapped in 2006 FEIS, Appendix J).

#### **E. Base Facilities and Site Maintenance**

1. Facilities listed in Schedule C of the special use permit.

2. Base facility maintenance is part of this operating plan and includes routine maintenance of fences, corrals and repair and upkeep of existing facilities. Any maintenance or construction beyond routine work is subject to an approved site or development plan.
3. Retail sales consist of hats, t-shirts and a vending machine with candy and soft drinks.

## V. DESCRIPTION OF OPERATION

Frontier Pack Train's base facility is located along SR 158 (June Lake Loop) in June Lake, CA. The permittee provides outfitting and guiding services in the Ansel Adams Wilderness (AA) including spot, dunnage, resupply, full service pack trips, stock drives and day use services to the public. Pack stock outfitting and guiding is also provided in non-wilderness areas of the Inyo National Forest.

On occasion, Frontier provides all expense services into the northern portions of the John Muir Wilderness (JM). Some trips enter Yosemite National Park with Park approval. Trips may also enter the Hoover Wilderness on the Toiyabe National Forest. Prior approval is required. Most services will be conducted from the base facility. **FPT will conduct two trips existing from Buckeye Canyon with approval from the District Ranger on the Bridgeport Ranger District.**

The normal operating season is controlled by the snow pack in the backcountry, with a typical season running from Memorial Day weekend through September. Horse and cattle drives are allowed only on Forest Service approved routes when on NFS lands with a schedule to be submitted and approved as part of this operating plan along with other advanced and estimated trips. All trips beginning at outside trailheads shall require authorized officer approval and be coordinated with the outfit at the trailhead.

## VI. AUTHORIZED USE

### A. AA/JM Wilderness

1. Priority Use is identified on the face page of the Resort Supplement.
2. Frontier Pack Train has no areas designated as "red" on the Forest Service's "Use-Overlap-Impact Analysis" within its typical area of operations. Refer to **Exhibit 7, which displays the entire allocation for each area. Exhibit 8 displays maps of the "red" areas.**
3. Camp set-up, camp take-down and resupply trips shall be debited against allocated service days by multiplying the number of stock needed to provide the service for such trip by the number of days needed to accomplish the service.
4. Temporary service days authorized in the 2001 Wilderness Plan are not available for commercial pack stock services.
5. Permittees are not authorized to borrow or purchase service days from another pack outfit.
6. Except for public corrals at trailheads, permission to hold stock at trailheads overnight is required in advance.
7. Use of trails identified as needing Case-by-Case Itinerary Approval in the 2001 Wilderness Management Plan shall be requested not less than 14 days in advance of trail entry. Approval will be based on the following criteria:
  - a) Use must meet a need identified in the needs assessment.
  - b) Trips in these areas will not be advertised in brochures or other media.
  - c) Service is occasional in nature and not part of a yearly, repeated operation.
  - d) Use must fit within the quota system.
  - e) In areas where limiting factors have been identified; the appropriate resource specialists must review the proposed use to assure it is consistent with resource objectives..
8. **Prior itinerary approval is required for any trip outside the normal area of operations**

**9. ONE SERVICE DAY POOL has been established for all commercial pack station operators. The amount of use available is shown below. See Exhibit 1 for eligibility criteria for use of pool days.**

- a) Day use: 92 service days
- b) Overnight use: 1068 service days

**B. GT/SS Wilderness (Use established in the 2007 ROD)**

1. Golden Trout use is authorized on a case-by-case basis, with no more than 5 trips authorized to the border of SEKI and 10 trips to destinations within the Golden Trout Wilderness.
2. South Sierra Wilderness Use is authorized on a case-by-case basis, with no more than 10 trips authorized.
3. Day use is limited to 250 service days within the Golden Trout and South Sierra Wilderness areas combined, and must be approved in advance.
- 4. Itineraries must be approved in advance by the District Ranger.**
5. Golden Trout/South Sierra Wildernesses Restricted Camping Areas
6. In the Golden Trout and South Sierra Wildernesses, within the following nine areas camping is limited to designated sites. Camping is permitted in any legal existing site outside the area designated on the maps. See Exhibit 9, GT/SS Restricted Camping/Designated Sites. Identified sites are approximate and will be further defined and identified during the season.
  - a) Templeton Meadow
  - b) Ramshaw Meadows
  - c) Strawberry Meadows
  - d) Big Dry near Templeton Meadow
  - e) Gomez Meadows
  - f) McConnel/Tunnel Trail intersection
  - g) Old Tunnel Airstrip
  - h) Little Whitney Meadow
  - i) Summit Meadow (SSW)

**C. Non-wilderness Use (Use established in the 2007 ROD)**

1. Horse and cattle drives on National Forest System (NFS) lands shall be conducted on approved routes. Itineraries and schedules are to be submitted as part of the annual operating plan along with other advanced and estimated trips.
2. Day ride services are regulated by total herd size and are restricted to authorized routes.
- 3. Prior approval is required for any trips outside the normal area of operations.**

**VII. FEE DETERMINATION**

**A. Assigned Site Fee**

1. This is an annual fee for each assigned site that is approved by the authorized officer. The assigned site fee is in addition to the fee for commercial use. Assigned sites are paid for at the rates specified in the Forest Service Handbook. Rates will be revised every 3 years. Assigned fees will not be prorated. Refunds or credits will not be authorized for assigned site fees. Assigned Site is defined as a site that is designated and authorized for occupancy and use by a holder who is providing a recreation service to the public during the authorized period of occupancy. Examples include but are not limited to base and drop camps, picnic sites, loading facilities, boat launches, and helispots. (FSH 2709.11, 37.05)

2. Assigned Site(s): Frontier Pack Train has four assigned sites; Alger Lake, Dink's Camp, Bill Henry and Clark I. Total Fees are \$800.00

### **B. Grazing Fee**

1. This is a fee for grazing authorized livestock during the permitted use and will only be implemented as needed for specific permits. A grazing fee is assessed only when animals are authorized to graze. The fee is based on the head month. Fees are charged in accordance with current Forest Service Handbook direction. Refunds or credits will not be authorized for unused but authorized grazing. Fees for grazing are due prior to use. Fees will be based on submitted and approved grazing requests. Anticipated grazing needs are due November 1 along with advertised trips and advanced bookings. Pasture grazing fees and anticipated wilderness grazing fees will be calculated and billed with the annual minimum fee. Reported use above that which was initially estimated will require a subsequent billing. Fees paid based on estimated use are not refundable.

2. 2010 Estimated Use.

Evans Pasture: 10.70 animal months X \$1.35 = \$14.45

Rodeo Grounds Pasture: 0 animal months X \$1.35 = \$0

AA/JM Wilderness use: unestimated for 2011, bill based on actual use.

Total = \$14.45

### **C. Monitoring Fee**

1. A monitoring fee under Cost Recovery regulations shall be assessed annually for the 20 year permit term. If monitoring fees are not paid as assessed annually, the Forest Service may suspend or revoke the authorization in whole or in part. Monitoring fees will be collected and used to cover the cost to monitor the following activities:

- a) Construction or reconstruction of permanent or temporary facilities
- b) Rehabilitation of the construction or reconstruction sites.
- c) Specific monitoring activities that are identified under the FEIS and ROD and that are determined to be attributed solely to pack stock use in the wilderness.

## **VIII. MANAGEMENT OF COMMERCIAL PACK STOCK IN YOSEMITE TOAD BREEDING AND REARING HABITAT**

A. Pack stock grazing and entry is prohibited in occupied Yosemite toad breeding and rearing habitat throughout the breeding cycle (through metamorphosis).

B. During the breeding and rearing cycle, pack stock entry or grazing is prohibited within 100 yards of any permanent water source within occupied Toad habitat.

C. The duration of the breeding and rearing cycle shall be based on the "wet" and "dry" predictions based on the California Department of Water Resources Bulletin 120 (issued May 1 of each year).

D. The prohibition on entry into Yosemite Toad habitats shall begin ten days before and extend 80 days after the estimated start of breeding cycle based upon Bulletin 120.

**E. The Forest Service will notify Holders of the period of closure after the California Department of Water Resources Bulletin 120 is issued May 1.**

After review of the Bulletin 120, and based on when breeding was initiated this year at the monitoring site, I have estimated the dates for the completion of metamorphosis for the Yosemite toad. This resulted in the following “on-date” for pack stock grazing listed below, as directed in the Order for Injunctive Relief (No. C-00-01237 EDL) for Yosemite toad occupied meadows:

|               |
|---------------|
| “On-date”     |
| July 23, 2013 |

If Yosemite toad tadpoles are observed in a meadow after the “on-dates” listed above, grazing will need to halt from all breeding and rearing habitat and up to 100 yards of any permanent water source in that meadow until after metamorphosis is complete.

**IX. PACK STOCK MANAGEMENT DIRECTION**

This section incorporates direction from the 2001 Wilderness Plan, 2001 Sierra Nevada Forest Plan Amendment as amended, and the 2006 Commercial Pack Station and Pack Stock Outfitter/Guide Permit Issuance FEIS.

**A. AA/JM Wilderness Grazing**

1. The permit holder is authorized the use and grazing of pack and saddle stock within the identified wilderness and non-wilderness areas only when such use is incidental to the provision of a service to the public as authorized by permit.
2. Grazing is prohibited in meadows containing streams that are rated as Functional-at-Risk (“FAR”) with downward or unknown trends. See Exhibit 6, Grazing Management for **FAR Meadow Closures. (INF maps provided with July 14, 2008 correspondence from Jim Upchurch and SNF maps provided with May 20, 2009 correspondence from Margaret Wood). Contact your permit administrator if additional copies are needed. There have been no changes to the status of any meadows administered by the Sierra National Forest. The status of Trinity Lake Complex Meadow on the Inyo National Forest has changed from open to closed. Mapped changes have been developed and will be provided prior to the operating season.**
3. You must actively manage your stock to avoid entry into closed areas.
4. The Forest Service shall monitor meadows containing streams rated as FAR with an upward trend, and in which grazing is permitted. If such monitoring demonstrates degradation of the hydrologic function, grazing will be prohibited.
5. Final anticipated grazing needs based on advanced bookings, advertised trips and typical use must be submitted to the permit administrator for review by April 1 of each year.
6. Forest Orders for the wilderness on-dates will be annually revised to establish annual grazing start dates and grazing closures, as well as other pack stock use regulations for pack stock parties.
7. Permit holder will comply with all grazing start dates established annually by Forest Order. Typical start dates are shown in the table below. When requested by the permit holder, the Authorized Officer may adjust the grazing start dates, case-by-case, on specific sites based on appropriate range readiness information. (2001 Wilderness Plan, Appendix G, pg. 6)

|          |   |
|----------|---|
| Dry Year | Grazing start dates could begin 15 or more days earlier than normal years |
|----------|---|

|             |  |
|-------------|--|
| Normal year | Anticipated to begin by July 15 <sup>th</sup> at 9,000 feet elevation and August 15 <sup>th</sup> at 10,000 feet elevation |
| Wet Year    | Grazing start dates could be delayed 15 to 30 days   |

**2012 Grazing On-Dates for the Ansel Adams and John Muir Wilderness will be determined as prescribed in #7 above and distributed as they become available.**

### **Forecasted 2013 Range Readiness Dates**

The forecasted range readiness dates in this letter are the predicted range readiness dates that will be included in Forest Orders issued before the season begins. Based on the snowpack water content being only about 45% of average, and the predicted weather, 2013 is expected to be a dry year.

Table 3 below reflects the predicted grazing start dates for the Inyo and Sierra National Forests. The Inyo National Forest Orders will apply to areas of the Sierra National Forest administered by the Inyo National Forest.

**Table 1. Predicted grazing on-dates by elevational range**

| Sierra National Forest<br>(Not including area administered by the INF) |            | Inyo National Forest<br>(Including SNF area administered by the INF) |            |
|--|------------|--|------------|
| Elevation (feet)   | Start Date | Elevation (feet)   | Start Date |
| 7000-7999  | June 1     | 7000-7999  | June 1     |
| 8000-8999  | June 15    | 8000-8999  | June 15    |
| 9000-9999  | July 1     | 9000-9999  | July 1     |
| >10,000  | August 1   | >10,000  | August 1   |

Summer weather and local conditions may result in local differences in actual range readiness dates. The predicted range readiness on-dates are estimates and may not reflect variations in aspect, slope and groundwater influences in a particular meadow. Stock users will be responsible for evaluating local range readiness conditions and not allowing their stock to enter areas that are too wet. Commercial stock users are encouraged to work closely with Special Use Permit Administrators and Wilderness Staff to determine the status of grazing areas as summer approaches.

8. Established allowable utilization levels will be applied. This means that all users of a meadow, including the Holder, will be expected to comply. When a meadow reaches allowable utilization levels, all users will be directed away from that meadow. The permittee is responsible for recognizing when allowable utilization levels are being exceeded, and for avoiding areas as necessary to prevent utilization in excess of the allowable levels.
9. On key areas in the wilderness, use the Grazing Response Index method with Key Species utilization method. (2001 Wilderness Plan, Appendix G, pg. 10)
10. Utilization Standards:
  - a) In early-seral condition meadows, grazing utilization of grass and grass-like plants will be limited to 30 percent, or a minimum 6-inch stubble height (*SNFP ROD Appendix A-58*).
  - b) In late-seral condition meadows, grazing utilization of grass and grass-like plants will be limited to 40 percent, or a minimum 4-inch stubble height (*SNFP ROD Appendix A-58*).
  - c) Degraded meadows (such as those in early seral status with greater than 10 percent of the meadow area in bare soil and active erosion) will be rested from grazing until they have moved to mid-seral or late-seral status (*SNFP ROD Appendix A-59*).
  - d) Browsing on hardwood and riparian shrub annual leader growth or seedlings and advanced regeneration will be limited to no more than 20 percent of the annual growth (*SNFP ROD Appendix*

A-59).

- e) Keep disturbance to stream bank, natural lake and pond shorelines, caused by resource activities, from exceeding 20 percent and 10 percent in essential habitat for Lahonton and Paiute cutthroat trout and Little Kern Golden Trout (SNFP ROD Appendix A-55).

## **B. GT/SS Wilderness Grazing**

1. Grazing incidental to trips in the GT/SS Wildernesses is authorized except in locations determined to be unsuitable. Areas currently identified in the Golden Trout Wilderness as unsuitable for grazing are:
  - a) Volcano Meadow
  - b) South Fork Meadow (headwaters of South Fork of the Kern River)
  - c) Bullfrog Meadow
  - d) Fat Cow Meadow
  - e) the lower end of Big Whitney Meadow (below the confluence of the two main tributaries),
  - f) Big Dry Meadow (near Gomez Meadow),
  - g) parts of Ramshaw Meadow are closed; Grazing is allowed in Ramshaw Meadow near Kern Peak Stringer
  - h) South Fork Meadows (on Cottonwood Creek) and Overholster Meadow (on Little Cottonwood Creek)
  - i) No unsuitable areas are currently identified in the SS Wilderness.
2. Range readiness will be determined by standards as identified in the 1988 Inyo National Forest Land and Resource Management Plan (pg. 85).
3. Pack stock streambank trampling associated with grazing in the GTW may not exceed total streambank alteration standards identified in the INF LRMP (1988) (pg. 78-9). The standard in areas outside of state designated wild trout waters is 20%. **In drainages designated as wild trout waters, streambank alteration may not exceed 10%. The majority of the watersheds in the GT/SS Wildernesses managed by the INF are designated as wild trout waters, including all areas that drain to Cottonwood Creek, Golden Trout Creek and to the South Fork of the Kern River.**
4. Pack stock grazing utilization standards would be determined using Inyo LRMP Amendment #6 in the GT/SS Wilderness Areas. These standards were designed to be adaptive and provide for accelerated restoration and improvement of degraded range sites as well as to maintain those sites currently in a fully functional condition. Exhibit 10 contains a listing of key meadow areas and corresponding utilization standards.

## **C. Pasture Grazing (see Appendix FF)**

## **D. Loose Herding**

1. Forest Order 04-96-2 (FEIS Appendix B, Table B.1) prohibits "using saddle, pack, or draft animal on any trail by loose herding or driving, except on portions of trails where it is unsafe to keep animals tied together: 36 CFR 261.55(c)." Loose herding shall be done in such a manner as to minimize impacts to trails and campsites and to other forest visitors.

## **E. Dead Animals**

1. Livestock, owned or controlled by the Holder, that die on National Forest System lands, shall be removed or otherwise disposed of in a manner acceptable to the Authorized Officer. The holder will notify the Forest Service within 48 hours after the death of the animal, the location and approved process used for disposal.

# **X. TRAVEL MANAGEMENT**

## **A. High Density Recreation Areas &**

1. Use within the HDRAs is limited to approved routes shown below. No cross country travel is permitted within HDRAs shown in Appendix J of the 2006 Permit Issuance FEIS.

**B. Non-wilderness outside HDRAs**

1. Cross Country travel is approved outside of identified high density recreation areas shown in Appendix J, 2006 FEIS, except where resource concerns have been identified
2. Day rides and stock drives are restricted to listed and approved trails shown in Section 3(c) of Appendix FF.
3. **Any trip or service outside the normal operating area requires prior itinerary approval.**

**C. Montgomery Pass Wild Horse viewing area (Use established in the 2007 ROD)**

1. Cross country travel is permitted when viewing/following wild horses, except in seasonal wetland areas including meadows, vernal pools and spring heads.
2. Access to Truman Meadow camps is authorized on existing roads.

**D. AA/JM Wilderness**

1. Cross country travel within the AA/JM Wildernesses is not authorized. All commercial packstock must stay on designated trails, except where authorized in advance by the Forest Service for alternative routes or to access campsites and grazing areas. See Exhibits 4 and 5 for authorized trails.
2. Wilderness day rides, including rides from overnight camps during full-service trips, may occur only on approved system trails as identified on Table 2.26 of the Final Environmental Impact Statement for the 2005 Plan. (See Exhibit 5)

**E. GT/SS Wilderness**

1. Cross country travel within the Golden Trout and South Sierra Wildernesses is authorized, except in meadows prior to the range readiness date and where resource concerns have been identified.

## **XI. ANNUAL PERFORMANCE EVALUATION FOR OUTFITTING AND GUIDING OPERATIONS**

**A. Basis, Evaluation Criteria and Performance Standards**

1. FSM 2721.53h provides for annual permittee outfitting and guiding performance evaluation. Performance evaluations will recognize six different levels: outstanding, fully acceptable, needs improvement, unacceptable, not checked, and not applicable.
2. Performance evaluations will be based upon field inspections and permittee records, and will include: (1) Service to the public, (2) Compliance with permit, (3) Compliance with the operating plan, (4) Equipment/Livestock, (5) Safety, (6) Resource Protection and (7) Major Incidents (if any).
3. In-season evaluations may be conducted at any time. Deficiencies will be noted, and permit holder will have a time frame for correcting the deficiencies.
4. Performance evaluations will be reviewed annually at the end of the operating season, and the Permittee will be advised of the findings. Joint evaluations between the Forest Service and Permittee are encouraged.
5. The operating plan provides guidance, which is used by the Forest Service to monitor permit holder performance to ensure compliance with the terms of the Special Use Permit.
6. Periodic inspection of operations and documentation of both positive and negative findings are the responsibility of the permit administrator. Inspections and an annual performance evaluation will be documented on the enclosed form (Exhibit 1). It will be the responsibility of the permit holder to ensure that all employees are familiar with the terms of the permit and this operating plan.
7. Noncompliance with any item identified in the Order for Injunctive Relief will result in an

unacceptable performance rating and subsequent administrative actions set forth in the special use authorization. These actions could include reduction in service days, prohibitions on use in specific areas or trails, or other administrative actions provided under the permit terms.

## **XII. Inyo National Forest and Sierra National Forest Definitions:**

1. **Administrative Trip:** Any trip into the wilderness that is not directly related to providing service to paying customers or does not count against their total service days. Examples include: packing and outfitting/guiding for USFS trail crews, other federal or state agencies, contractors and volunteers who are authorized by the Forest Service to accomplish project or administrative work.
2. **All Expense Trip:** Includes any service where pack station staff accompany clients for the duration of the trip. Can include base camp, traveling, full Service, all inclusive, hiking with pack stock, continuous hire, or any other service where an employee is serving the client for the entire trip.
3. **Assigned Site:** A specific location on Forest land, inside our outside the wilderness, that is authorized for occupancy and use by the authorized officer and for which a fee is paid by the holder for the exclusive use of the site.
4. **Base Camp:** All provisions are provided by the packer. Customers and provisions packed to a designated camp. Cook and riding stock remain at camp. Pack stock returns to Pack Station. Maximum stay 14 days in one location.
5. **Camp Set Up:** Packer hauls in camp provisions the day prior to clients permitted entry. Record type of service, permit number of party being served, stock numbers, destination information, etc. of the service activity on tally sheet.
6. **Camp Take Down:** Packer back hauls camp provisions the day following the client's permitted exit. Record type of service, permit number of party being served, stock numbers, destination information, etc. of the service activity on tally sheet.
7. **Day Ride:** A day or part of a day where a customer rides stock, but does not stay overnight.
8. **Dunnage:** Customer provides all provisions. Packer hauls to designated location and may return on a specified date to remove gear, if trip is for two ways. Customer walks.
9. **Horse and Cattle Drives:** The movement of a herd of stock over non-wilderness lands, typically a working trip for transportation from winter pastures or holding areas to the pack station and return, but also may include recreationists that accompany the trip. Drives may also be performed, however, solely for recreational purposes.
10. **Re-Supply-** Packer hauls in provisions to an agreed location to support a customer's trip that is currently in progress. Re-supply services may not start on the same day as the trip that is being serviced. Re-supply packer and stock may not subsequently travel with the party that has received the re-supply.
11. **Service Day (Client):** A day or part of a day for each individual that the packer, outfitter, guide, wrangler, leader, cook or instructor accompanies or provides services for, including transportation on Forest land. Beginning and ending days of a trip or service period will be considered full days. Where a supply or drop service alone is provided, the full or fractional days involved times the number of clients in the party equals service days.
12. **Service Day (Stock):** Applies to resupply, camp setup and camp take-down service. Service days are calculated by multiplying the number of stock (including packer's riding animal) required to provide the service by the number of days required to provide the service.
13. **Spot Trip:** Customer is taken by horseback to a designated location with provisions for a specified time. The packer and stock may return at a specified time to pick up the customer, if the trip is for two ways. Customer furnishes all provisions and equipment but rides in.
14. **Stock Night:** One animal in the backcountry for one night.

**15. Traveling Trip:** Livestock and crew remain with customer from start to stop. Two types of traveling trips are available. In the all expense travel trip the packer provides everything whereas in others the customer can provide his or her own gear, food, etc.

### **XIII. ANNUAL CALENDAR OF OPERATIONS**

| <b>Documents and Fees</b>   | <b>Due Date</b>                | <b>Date Received</b> |
|---|--------------------------------|----------------------|
| Advance Minimum Fee for the Calendar Year   | January 1                      |                      |
| Financial Statements submitted for each reportable period                         | 30 <sup>th</sup> of the Month  |                      |
| Fourth Quarter Payment  | January 30th                   |                      |
| Operating plan updates and planned/anticipated grazing needs                      | April 1                        |                      |
| Financial Balance Sheet Previous Year   | April 15                       |                      |
| First Quarter Payment   | April 30                       |                      |
| Forest Service provides written notice of grazing "on-dates"                      | May/June                       |                      |
| Certificate of Insurance  | Upon Termination               |                      |
| Monthly Tally Sheet Use Report  | 15 <sup>th</sup> of Each Month |                      |
| Second Quarter Payment  | July 30                        |                      |
| Third Quarter Payment   | October 30                     |                      |
| Final Tally Use report  | November 1                     |                      |
| Advertising Submitted to Forest Service for Approval <sup>1</sup>                 | November 1                     |                      |
| Proposed Schedule for Advanced Advertised Trips <sup>2</sup>                      | November 1                     |                      |
| Forest Service Approve/disapprove or modify schedule of advanced advertised trips | December 1                     |                      |
| Forest Service Approve/disapprove or modify advertising.                          | December 1                     |                      |

### **XIV. LIST OF EXHIBITS**

**Exhibit 1 - Service Day Pool Use Criteria**

**Exhibit 2 - Fire Control Plan**

**Exhibit 3 - Annual Weed Checklist/Plan**

**Exhibit 4 - Approved User Created Trails**

**Exhibit 5 - Approved Wilderness Trails for All Uses**

**Exhibit 6 - Yosemite Toad/FAR Meadow Closure Maps**

**Exhibit 7 – "Red Area" Use Allocations**

**Exhibit 8 – Use-Overlap-Impact-Analysis "red area" Maps**

**Exhibit 9 - GT/SS Restricted Camping/Designated Sites**

**Exhibit 10 - GT/SS Key Meadow Utilization Standards**

<sup>1</sup> Draft for brochures, web sites and other advertising must be submitted to the permit by administrator November 1<sup>st</sup> and will be approved, modified or disapproved by December 1st.

<sup>2</sup> The permit holder will submit to the Forest Service by November 1st a proposed schedule for advanced advertised trips. These trips will include dates, trailhead of entry/exit (if applicable) and itinerary of trip including grazing areas. Trips will be assessed along with other operations and uses in the area based on resource conditions. The Forest Service will approve, modify or disapprove this schedule by December 1st.

- END -

## Exhibit 1

2010

### Criteria for Use of Commercial Pack Stock Service Day Pool

**These criteria have been developed for the use of the pool of service days. Upon approval, each authorized permittee will work with the Inyo National Forest Wilderness Reservation Office (760) 873-2492) to schedule trips using pool days. The initial process established to become "authorized" to use those days is as follows:**

Permit Administrator/District Ranger will certify eligibility for use of pool days, and provide documentation to the INF Reservation Office upon the determination that the following criteria have been met. Pack stations should anticipate when this review is necessary by closely tracking their service day use, and should allow at least two weeks to ensure enough time for review and approval. **A request for this review must be submitted on the attached form.**

The decision to approve or disapprove use of pool days will be based upon the following criteria:

- At the time of the request for review, 90% of the assigned allocation has been utilized or reserved (evidence may be required to support your request).
- Reported trips did occur and those reserved are actually booked (evidence may be required to support your request).
- Trips (unless those approved in advance by the Forest Service) did not overlap services being provided by resident pack stations in areas where they are primarily operating.
- All pack stations utilizing days from the service day pool will be audited (following the end of the season) to ensure all days met the above criteria. If it is found that they do not, that pack station will not be eligible for use of pool days in the following calendar year.

**Exhibit 2**

**Fire Control Plan**

**To be developed.**

# ANNUAL WEED MANAGEMENT REVIEW/CHECKLIST

Weed Checklist for **Red's Meadow and Agnew Meadow Pack Station/Mt. Whitney Pack Trains**

Date: \_\_\_\_\_

Packer has received Weed ID book (Eastern Sierra WMA). If any of the plants in the booklet (or others known to be noxious weeds) are found, please inform the permit administrator who will notify the botanist. Do not start removal until identification has been verified. Please note that there are some native plants that resemble some of these weeds.

Known weeds (non-natives): (There will be a list, initially from the list in the FEIS.)

| <b>Weed</b>         | <b>Management</b>              |
|---------------------|--------------------------------|
| Yellow sweet clover | Remove all                     |
| Cheatgrass          | Remove from high traffic areas |
| Mallow              | Remove as time permits         |
| Penny cress         | Remove as time permits         |

Packer has received diagram of facilities with known weeds marked and photos/specimens of the weeds.

Priority species and locations for removal (highest traffic areas, feed storage areas):

Packer was notified of hoof cleaning requirement.

Where did the animals spend the winter? Be as specific as possible. If they were in Marin, Santa Cruz, Sonoma, Napa, San Mateo, Monterey, Santa Clara, Mendocino, Solano, Alameda, Contra Costa, Humboldt, Lake, or San Francisco counties, hoof cleaning is required before arrival on the Inyo NF because of the possibility of sudden oak death introduction.

Packer was notified that certified weed-free hay, straw, and feed is recommended and will be required within the term of the permit.

What is the source of hay and straw used? Is it certified weed free? Is certified weed free hay or straw available?

What kind of feed is used in the wilderness? (Pellets, cubes, etc.)

Packer was notified of need to approve source of firewood brought in to the Wilderness.

If wood will be/was packed in, what is the source of the firewood? No wood, particularly oak, may be brought in from Marin, Santa Cruz, Sonoma, Napa, San Mateo, Monterey, Santa Clara, Mendocino, Solano, Alameda, Contra Costa, Humboldt, Lake, or San Francisco counties.

## Exhibit 4 - Approved User Created Trails

| Use Trail Name   | UT ID# | Est. Miles | Status | Stipulation/Clarifier                        |
|--|--------|------------|--------|--|
| <b>Ansel Adams East</b>  |        |            |        |  |
| Lion Point Trail to creek 3/4 mile east (Old French Trail)             | CCD04  | 0.66       | A      | For hunting season only                      |
| Deer Lake Camp spur  | CCD08  | 0.23       | A      | Inherent Camp Trail                          |
| San Joaquin Peak   | RIH01  | 2.83       | A      | For hunting season only                      |
| Badger Lake Meadow   | RIH02  | 0.25       | A      | Grazing Access                               |
| Crest Creek  | RUS01  | 1.89       | A      | For hunting season only                      |
| Lost Lake  | RUS02  | 1.69       | A      | For hunting season only                      |
| Clarice Lake (from the John Muir Trail)                                | SHE01  | 0.19       | A*     | *Approved for limited use.                   |
| Davis Lake to Rodgers Lake (grazing access)                            | URU05  | 0.62       | A*     | *Identify best route to grazing.             |
| <b>Ansel Adams West</b>  |        |            |        |  |
| Rock Creek Trail to Ruby Meadow Trail along Rock Creek                 | ARC01  | 0.96       | A      |  |
| "No name"/"Tule" Lake  | ARC02  | 0.55       | A      |  |
| Straube/Spano Meadow to Iron Lake trail                                | CAR01  | 1.89       | A      |  |
| Lost Lake (Stevenson Tr. To Lost Lake)                                 | COR01  | 0.84       | A      |  |
| Pine Flat  | JUN01  | 1.28       | A      |  |
| Dike Creek   | LAC01  | 0.51       | A      |  |
| Fernandez Pass Trail to Fernandez Lake                                 | LIL02  | 0.53       | A      |  |
| Flat to Monument Lakes   | LIL04  | 0.39       | A      |  |
| Onion Springs road to John Muir Wilderness boundary east of Saddle Mtn | ONS01  | 3.56       | A      | For hunting season only                      |
| Devil's Bathtub Cutoff   | ONS02  | 1.81       | A      | (1 hour trail ride)                          |
| High Sierra Pack Station to Twin Meadow                                | ONS04  | 1.37       | A      | Onion Springs Road to Devil's Bathtub trail  |
| Anne Lake Grazing (north of lake)                                      | TRD01  | 0.18       | A      |  |
| Post Creek to Timber Creek Trail.                                      | TRD02  | 1.37       | A      | Low use to avoid well-defined trail forming. |
| Post Creek (Post Creek Trail 24E17 to campsite #31 elev. 9045          | TRD04  | 0.32       | A      |  |
| <b>Bishop/Humphreys</b>  |        |            |        |  |
| Hurd Lake  | BIS02  | 0.42       | A      |  |
| Long Lake camp spur  | BIS04  | 0.27       | A      |  |
| Saddlerock Lake campsites  | BIS09  | 0.18       | A      | Only to camps, not to Ledge Lake             |
| Royce Lake   | FRE11  | 2.48       | A      |  |

| Use Trail Name  | UT ID# | Est. Miles | Status | Stipulation/Clarifier                 |
|---|--------|------------|--------|---------------------------------------|
| Dutch Oven Meadow to Summit Lake                          | DUT01  | 1.30       | A      |                                       |
| Lost Lake to Thompson Lake                                | DUT02  | 1.37       | A      | *Only south part approved             |
| Dutch to Hidden Lake                                      | DUT03  | 0.33       | A      |                                       |
| Heather Lake use trail                                    | FLE01  | 1.24       | A      | Limited Use                           |
| Infant Buttes use trail                                   | HOO02  | 0.42       | A      | For hunting season only               |
| Senger Creek to Turret Lake (southern of two routes)      | NPT01  | 3.12       | A      | *Approve only NPT01 (southern route)  |
| Tombstone   | SAK01  | 2.21       | A      | For hunting season only               |
| Hot Springs Pass Trail to Blayne Meadow                   | SAK03  | 3.51       | A      |                                       |
| Senger Creek from PCT to Deer Camp west of creek/mdw      | SAK08  | 1.18       | A      |                                       |
| Marshall Lake   | SEL02  | 0.15       | A      |                                       |
| Old PCT west of Rosemarie meadow paralleling outlet creek | SEL07  | 1.11       | A*     | *Only to camp at north end of meadow. |
| Ward Mountain Lake use trail                              | WAM01  | 4.81       | A      |                                       |
| <b>John Muir Southeast</b>                                |        |            |        |                                       |
| Birch Creek hunting                                       | BIR01  | 0.13       | A      | Hunting Season use                    |
| Birch Creek hunting                                       | BIR02  | 0.33       | A      | Hunting Season use                    |
| Kid mtn spring (old trail to camp and spring)             | BIR03  | 0.83       | A      | Hunting Season use                    |
| Hidden Lake   | COT05  | 0.15       | A      | Low Use                               |
| Windy Gap use trail                                       | COT06  | 1.03       | A      | hunting season                        |
| Frog Pond Camp (at 3rd Lake outlet)                       | COT08  | 0.25       | A      | Designate best route to camp          |
| Thunder and Lightning Lake                                | COY01  | 0.63       | A      |                                       |
| Little Onion Valley to Sardine Canyon                     | KEA04  | 0.54       | A      |                                       |
| Matlock to Bench Lake                                     | KEA06  | 0.31       | A      | for dunnage trips only                |
| Black Lake to Coyote Ridge                                | NFB01  | 1.78       | A      |                                       |
| Heidi Cabin   | NFB05  | 0.17       | A      | Hunting Season use                    |
| 2nd Lake Snow cabin                                       | NFB06  | 0.18       | A      |                                       |
| 4th to 5th Lake   | NFB07  | 0.12       | A      | To camp on saddle.                    |
| campsites at Fifth Lake                                   | NFB08  | 0.20       | A      | Approve only to appropriate campsites |
| Snow Survey site  | NFB09  | 0.10       | A      |                                       |
| Sawmill Pass Snow Bypass                                  | SAW01  | 0.35       | A      | until system trail issues corrected   |
| Taboose Pass Snow Bypass trail                            | TAB01  | 0.36       | A      | until system trail is repaired        |
| Shingle Mill Bench  | TAB02  | 0.90       | A      |                                       |
| <b>John Muir Southwest</b>                                |        |            |        |                                       |

## Exhibit 5 - Table 2.26 System Trails Inyo National Forest Trails

| Ref #                             | Trail Name                             | Trail # | Alt2 Mod. TC | Seg Mile | Beginning Termini | End Termini   |
|-----------------------------------|--|---------|--------------|----------|-------------------|---|
| <b>Ansel Adams East – Inyo NF</b> |  |         |              |          |                   |   |
| I- 1.0                            | BLOODY CANYON                          | 2516    | 2            | NS       | 2.11              | AA Wilderness Boundary<br>Lower Sardine lake (Outlet)   |
| I- 2.0                            | BLOODY CANYON                          | 2516    | 1            | NS       | 1.54              | Lower Sardine lake (Outlet)<br>INF/YNP Boundary Mono Pass                                       |
| I- 3.0                            | FISH CREEK                             | 2622    | 3            |          | 2.65              | Jct.2623 (Rainbow Falls Tr.) AA Wild Boundary<br>AA/JM Wild. Boundary (@ Crater Creek Crossing) |
| I- 4.0                            | RAINBOW FALLS                          | 2623    | 3            |          | 0.27              | AA Wilderness Boundary @ Boundary Creek<br>DPP National Park Boundary East                      |
| I- 5.0                            | RAINBOW FALLS                          | 2623    | 3            |          | 0.52              | DPP National Park Boundary East<br>DPP National Park Boundary South                             |
| I- 6.0                            | RAINBOW FALLS                          | 2623    | 3            |          | 0.21              | DPP National Park Boundary South<br>Lower Rainbow Falls   |
| I- 7.0                            | RED CONES CUTOFF                       | 2635    | 2            |          | 1.24              | Jct.2707<br>Jct.2000.3 PCT @ Red Cones  |
| I- 8.0                            | UPPER CRATER MEADOWS                   | 2645    | 2            |          | 1.93              | JM/AA Wild. Boundary @ Crater Meadow<br>Jct.2704 (Mammoth Pass)                                 |
| I- 9.0                            | LION POINT                             | 2646    | 1            |          | 2.96              | Jct.2601<br>Lion Point  |
| I- 10.0                           | MAMMOTH PASS - RED'S MDW               | 2704    | 3            |          | 2.46              | AA Wilderness Boundary<br>AA Wilderness Boundary  |
| I- 11.0                           | MCCLEOD LAKE SPUR                      | 2704B   | 3            |          | 0.26              | Jct.2704 @ Mammoth Pass<br>AA Wilderness Boundary   |
| I- 12.0                           | MAMMOTH PASS -CRATER CUTOFF            | 2707    | 2            |          | 1.65              | AA Wilderness Boundary past McCleod Lk.<br>JM Wilderness Boundary                               |
| I- 13.0                           | RIM                                    | 2723    | 1            | NS       | 0.50              | Jct.2707 past McCleod Lake<br>AA/JM Wilderness Boundary   |
| I- 14.0                           | GIBBS LAKE                             | 2613    | 2            | NS       | 0.43              | AA Wilderness Boundary<br>Gibbs Lake (Outlet)   |
| I- 15.0                           | GLACIER CANYON                         | 2510    | 1            | NS       | 0.74              | AA Wilderness Boundary<br>1st Dana Lake   |
| I- 16.0                           | ASHLEY LAKE                            | 2607    | 2            |          | 1.25              | Jct.2636 - Signed<br>Ashley Lk. NW side of Outlet   |
| I- 17.0                           | SUPERIOR LAKE                          | 2617    | 3            |          | 4.24              | Jct.2503 JMT near N end DPP<br>Jct.2636 (Holcomb Lk. Tr.)                                       |
| I- 18.0                           | SUPERIOR LAKE                          | 2617    | 2            |          | 1.12              | Jct.2636 (Holcomb Lk. Tr.)<br>Superior Lake Inlet, Campsite, NW end                             |
| I- 19.0                           | SUMMIT MEADOW C/O (From HOLCOMB Trail) | 2618    | 2            |          | 2.01              | Jct. 2601 near Summit Mdw.<br>Jct. 2636 near King Creek   |
| I- 20.0                           | HOLCOMB LAKE                           | 2636    | 2            |          | 1.50              | Jct.2617 - Signed, Cabin Ruins nearby<br>Holcomb Lake outlet, East end                          |
| I- 21.0                           | ANONA LAKE (Formerly Fern Lake)        | 2643    | 2            |          | 1.27              | Jct.2618 - Signed<br>Anona Lake   |
| I- 22.0                           | JOHN MUIR                              | 2503    | 3            |          | 14.02             | North DPP/INF Boundary<br>Jct.2000.3 PCT @ 1000 Island Lk Outlet                                |
| I- 23.0                           | PACIFIC CREST NST                      | 2000.3  | 3            |          | 2.04              | JM/AA Wilderness Boundary @ Red Cones<br>AA Wilderness Boundary near Reds Meadow                |

| Ref #                             | Trail Name                             | Trail # | Alt2 Mod. TC | Seg Mile | Beginning Termini | End Termini                                  |   |
|-----------------------------------|--|---------|--------------|----------|-------------------|--|---|
| I- 49.0                           | WEBER LAKE SPUR                        | 2605B   | 2            |          | 0.20              | Jct.2605A (Weber Lake)                       | Camp, West side Weber Lake              |
| I- 50.0                           | SPOOKY MEADOW                          | 2606    | 2            | NS       | 0.10              | AA Wilderness Boundary (below Spooky Meadow) | Drift Fence below lower meadow          |
| I- 50.1                           | SPOOKY MEADOW                          | 2606    | 2            |          | 2.40              | Drift Fence below lower meadow               | Jct.2000.3 PCT (East of Jct.2610)       |
| I- 51.0                           | SPOOKY TO CLARK CUTOFF                 | 2606A   | 2            |          | 0.29              | Jct. 2606 @ small Lk. - Signed               | Jct. 2505 @ Clark Lk. (near Agnew Pass) |
| I- 52.0                           | LAURA LAKE                             | 2503D   | 2            |          | 0.66              | Jct.2503 JMT                                 | Laura Lake S side, campsites            |
| I- 53.0                           | SHADOW CREEK                           | 2614    | 3            |          | 5.30              | Jct.2000.3 PCT near Agnew Mdw.               | Ediza Lake, Jct.2614CNS, SE end of Lake |
| I- 54.0                           | SHADOW CREEK (Iceberg Lake)            | 2614    | 2            | NS       | 0.94              | Ediza Lake, Jct.2614CNS, SE end of Lake      | Iceberg Lake, outlet, N end             |
| I- 55.0                           | SHADOW CREEK (Cecile)                  | 2614    | 1            | NS       | 1.82              | Iceberg Lake, outlet, N end                  | Cecile Lake, outlet, N end              |
| I- 56.0                           | NYDIVER LAKES                          | 2614A   | 1            |          | 0.60              | Jct.2614 (1/2 mile E of Ediza Lk.)           | Camps @ 1st bench below lakes           |
| I- 57.0                           | CABIN LAKE                             | 2614B   | 2            | NS       | 0.84              | Jct.2614 (1/3 mile E of Ediza Lk.)           | Cabin Lake (N end, outlet)              |
| I- 58.0                           | EDIZA LAKE SPUR                        | 2614C   | 2            |          | 0.56              | Jct.2614 (W end)                             | W end Ediza Lk - Campsites              |
| I- 59.0                           | GARNET LAKE TO EMERALD LAKE            | 2503E   | 1            | NS       | 1.47              | Jct.2503FNS @ Large Packer Campsite          | Jct.2503 JMT above 1000 Island Lk.      |
| I- 60.0                           | GARNET LAKE CAMPS                      | 2503F   | 2            |          | 1.60              | Jct.2503 JMT NW of Garnet Outlet             | Northwest end Garnet Lake - Campsites   |
| I- 61.0                           | 1000 ISLAND LAKE                       | 2565    | 2            |          | 1.19              | Jct.2000.3 PCT @ E end 1000 Isle Lk          | W end 1000 Island Lake (Campsites)      |
| I- 62.0                           | GARNET-RIVER CUTOFF                    | 2637    | 1            | NS       | 1.00              | Jct.2503 (JMT) @ Garnet Lk. Outlet           | Jct.2610 (River North Trl.)             |
| I- 63.0                           | ALTHA LAKE (from Garnet-River Cutoff)  | 2637A   | 1            | NS       | 0.32              | Jct.2637 bottom of steep draw/slot           | Altha Lk. - Large Campsite              |
| I- 64.0                           | DAVIS LAKE                             | 2501    | 2            |          | 0.86              | Jct.2000.3 PCT                               | Davis Lake (N end near outlet)          |
| I- 65.0                           | MARIE LAKES                            | 2520    | 2            |          | 0.65              | Jct.2000.3 PCT NW of 2605 (Rush Creek Tr.)   | Marie Meadow (jct. Use Tr.)             |
| I- 66.0                           | MARIE LAKES                            | 2520    | 1            | NS       | 0.99              | Marie Meadow (jct. Use Tr.)                  | 1st Marie Lake                          |
| <b>Bishop/Humphreys – Inyo NF</b> |  |         |              |          |                   |  |   |
| I- 67.0                           | BISHOP PASS                            | 3104    | 3            |          | 5.05              | JM Wilderness Boundary                       | INF Boundary @ Pass                     |
| I- 68.0                           | MARIE LOUISE LAKE                      | 3104C   | 2            |          | 0.48              | Jct.3104                                     | Mary Louise Lake                        |
| I- 69.0                           | CHOCOLATE-RUWAU LOOP (to Bull Lake)    | 3104D   | 2            |          | 0.43              | Jct.3104 signed (near Bull Lake)             | Bull Lake Inlet                         |
| I- 70.0                           | CHOCOLATE-RUWAU LOOP (Bull to Choc. 2) | 3104D   | 2            | NS       | 0.50              | Bull Lake Inlet                              | Chocolate Lake #2 North Camps           |
| I- 70.1                           | CHOCOLATE-RUWAU LOOP (Choc. 2 - Ruwau) | 3104D   | 1            | NS       | 0.84              | Chocolate Lake #2 North Camps                | Ruwau Lake Outlet                       |
| I- 70.2                           | CHOCOLATE-RUWAU LOOP (Ruwau - Long Lk) | 3104D   | 2            | NS       | 0.66              | Ruwau Lake Outlet                            | Jct.3104 signed (above Long Lake)       |

| Ref #                                       | Trail Name                            | Trail # | Alt2 Mod. TC | Seg Mile | Beginning Termini | End Termini                                      |  |
|---|---------------------------------------|---------|--------------|----------|-------------------|--|--|
| I- 95.0                                     | MOONLIGHT LAKE (Falls camp)           | 3101G   | 2            |          | 0.40              | Jct.3101C (near Sailor Lake)                     | Camps @ Moonlight Falls before Lake                |
| I- 96.0                                     | TREASURE LAKES                        | 3104B   | 3            |          | 2.18              | Jct.3104 (just past Wild B)                      | Creek Xing Between Lks. 1 & 2                      |
| I- 97.0                                     | TYEE LAKES (to South Fk)              | 3102    | 3            |          | 1.38              | JM Wilderness Boundary                           | Tyee Lakes #3, Outlet                              |
| I- 98.0                                     | TYEE/GEORGE LAKES (to Sabrina)        | 3102    | 2            |          | 3.73              | Tyee Lakes #3, Outlet                            | Jct.3101 (0.8 m from TH)                           |
| <b>Fish Creek, Convict, McGee – Inyo NF</b> |                                       |         |              |          |                   |  |  |
| I- 99.0                                     | JUNCTION (Pond Lily Lake)             | 2619    | 0            |          | 2.80              | Jct. 2622.2 (Fish Creek) 2.7miles NW Island xing | Middle Fork San Joaquin                            |
| I- 100.0                                    | FISH CREEK                            | 2622    | 3            |          | 17.64             | AA/JM Wild Boundary (@ Crater Creek Crossing)    | Jct.2000.3 PCT                                     |
| I- 101.0                                    | UPPER CRATER MEADOWS                  | 2645    | 2            |          | 0.64              | Jct.2000.3 PCT @ Upper Crater Mdw.               | AA/JM Wild Boundary (@ Crater Creek Crossing)      |
| I- 102.0                                    | DEER CREEK                            | 2706    | 2            |          | 1.68              | Jct. 2000.3 PCT @ Deer Crk.                      | Campsite/Meadow below lakes                        |
| I- 103.0                                    | DEER CREEK                            | 2706    | 1            |          | 2.09              | Campsite/Meadow below lakes                      | Jct.2708 @ Deer Lakes                              |
| I- 104.0                                    | MAMMOTH PASS -CRATER CUTOFF           | 2707    | 3            |          | 1.27              | JM Wilderness Boundary                           | Jct.2000.3 PCT @ Up Cra Mdw.                       |
| I- 105.0                                    | MAMMOTH CREST                         | 2708    | 2            |          | 3.70              | JM Wilderness Boundary                           | Deer Lakes, Campsites Eastern Lake                 |
| I- 106.0                                    | MAMMOTH CREST (Deer Lks to Duck Pass) | 2708    | 1            | NS       | 1.78              | Deer Lakes, Campsites Eastern Lake               | Jct.2710 Duck Pass Tr @ Pass (500ft. East)         |
| I- 107.0                                    | PUMICE BUTTE                          | 2713    | 1            |          | 2.20              | Jct.2000.3                                       | Pumice Butte                                       |
| I- 108.0                                    | RIM                                   | 2723    | 1            |          | 1.02              | AA/JM Wilderness Boundary                        | Jct.2708 @ Mammoth Crest                           |
| I- 109.0                                    | EMERALD LAKE TO SKELTON LAKE          | 2709A   | 3            |          | 0.37              | Jct.2709 - Signed                                | Jct.2709BNS -W end Emerald Lake, Signed            |
| I- 110.0                                    | EMERALD LAKE TO SKELTON LAKE          | 2709A   | 2            | NS       | 0.84              | Jct.2709BNS -W end Emerald Lake, Signed          | Jct. 2710 - 300 ft. before Skelton Lk.             |
| I- 111.0                                    | SKY MEADOWS                           | 2709B   | 2            | NS       | 2.00              | Jct.2709A @ Emerald Lake W end                   | Small Lake @ top of W end Mdw.                     |
| I- 112.0                                    | DUCK PASS                             | 2710    | 3            |          | 5.58              | JM Wilderness Boundary                           | Jct.2000.3 PCT @ Duck Creek                        |
| I- 113.0                                    | ARROWHEAD LAKE SPUR                   | 2710B   | 2            |          | 0.61              | Jct.2710 - 1 mile up (Signed)                    | Arrowhead Lake Inlet (W end)                       |
| I- 114.0                                    | WOODS LAKES                           | 2710C   | 2            |          | 1.12              | Jct. 2710 @ Skelton Lake                         | 2nd Woods Lake                                     |
| I- 115.0                                    | HEART LAKE                            | 2719    | 3            |          | 0.28              | JM Wilderness Boundary                           | Heart Lake   |
| I- 116.0                                    | VALENTINE LAKE                        | 2801    | 2            |          | 2.06              | JM Wilderness Boundary                           | Valentine Lake outlet                              |
| I- 117.0                                    | CONVICT CREEK                         | 2802    | 2            |          | 1.91              | JM Wilderness Boundary (W end of Convict Lake)   | Washout at Convict Cr and Genevieve Outlet Creek   |
| I- 117.1                                    | CONVICT CREEK                         | 2802    | 2            | NS       | 1.21              | Washout at Convict Cr and Genevieve Outlet Creek | Northeast end of Mildred Lake                      |
| I- 117.2                                    | CONVICT CREEK                         | 2802    | 2            |          | 1.06              | Northeast end of Mildred Lake                    | North end Dorothy lake, at Bighorn Lake Trail Jct. |

| Ref #    | Trail Name                   | Trail # | Alt2 Mod. TC | Seg Mile | Beginning Termini                         | End Termini                               |  |
|----------|------------------------------|---------|--------------|----------|---|---|--|
| I- 140.0 | NEW ARMY PASS                | 3513    | 3            | 4.79     | Jct.3516 (@ Cottonwood Crk Xing)          | INF Boundary @ Pass                       |  |
| I- 141.0 | COTTONWOOD LAKE #1 CUTOFF    | 3513A   | 3            | 0.30     | Jct.3513 (east of Lake 1)                 | Jct.3516 (East of Lake 1)                 |  |
| I- 142.0 | COTTONWOOD LAKE #2 CUTOFF    | 3513B   | 2            | NS       | 0.90                                      | Jct.3513 (between Lks.1 & 2)              | Jct.3516 (@ Lk.3)                          |
| I- 143.0 | COTTONWOOD LAKES             | 3516    | 3            | 2.83     | GT/JM Wilderness Boundary                 | Jct.3513B @ Cottonwood Lake #3, North End |  |
| I- 144.0 | COTTONWOOD LAKES             | 3516    | 2            | 0.35     | Jct.3513B @ Cottonwood Lake #3, North End | Cottonwood Lake #5                        |  |
| I- 145.0 | MUIR LAKE                    | 3516C   | 2            | 0.60     | Jct.3516                                  | Muir Lake                                 |  |
| I- 146.0 | CIRQUE LAKE                  | 3523    | 3            | 0.47     | Jct.3513                                  | Jct.3523ANS (@ South Fork Creek crossing) |  |
| I- 147.0 | CIRQUE LAKE                  | 3523    | 2            | 0.77     | Jct.3523ANS (@ South Fork Creek crossing) | Cirque Lake                               |  |
| I- 148.0 | SOUTH FORK COTTONWOOD CREEK  | 3523A   | 2            | NS       | 0.74                                      | GT/JM Wilderness Boundary                 | Jct.3523                                   |
| I- 149.0 | LITTLE COTTONWOOD CREEK      | 3610    | 2            | 0.21     | GT/JM Wilderness Boundary                 | Jct.3516 (before Golden Trout Camp)       |  |
| I- 150.0 | BAKER SUMMIT                 | 3103    | 2            | 2.46     | JM Wilderness Boundary                    | JM Wilderness Boundary                    |  |
| I- 151.0 | GOLDEN TROUT LAKE            | 3306    | 2            | NS       | 1.86                                      | JM Wilderness Boundary                    | Golden Trout Lake Outlet                   |
| I- 152.0 | GOLDEN TROUT LAKE NORTH SPUR | 3306A   | 1            | NS       | 0.94                                      | Jct.3306 (no sign, 1.9m up 3306)          | Upper, 2nd Lake                            |
| I- 153.0 | KEARSARGE PASS               | 3307    | 3            | 3.99     | JM Wilderness Boundary                    | INF Boundary @ Pass                       |  |
| I- 154.0 | MATLOCK LAKE                 | 3307B   | 2            | 0.57     | Jct.3307 (tween Gilbert & Flower Lks.)    | Matlock Lake                              |  |
| I- 155.0 | GRAND GROUP MINE             | 3315    | 1            | 1.50     | JM Wilderness Boundary                    | Grand Group Mine                          |  |
| I- 156.0 | PARKER CANYON                | 3423    | 0            | 4.50     | JM Wilderness Boundary                    | Parker Lakes                              |  |
| I- 157.0 | SARDINE LAKE                 | 3425    | 1            | 5.00     | Rd.13S17B @ Wild Boundary                 | Sardine Lake                              |  |
| I- 158.0 | TUTTLE CREEK ASHRAM          | 3521    | 2            | 0.80     | JM Wilderness Boundary                    | Monastery                                 |  |
| I- 159.0 | DIAZ CREEK                   | 3526    | 0            | 3.50     | JM Wilderness Boundary                    | INF Boundary                              |  |
| I- 160.0 | MEYSAN LAKES                 | 3403    | 3            | SP       | 3.64                                      | JM Wilderness Boundary                    | Grass Lake (Signed), Meadow, Camps         |
| I- 161.0 | MEYSAN LAKES                 | 3403    | 2            | SP       | 1.08                                      | Grass Lake (Signed), Meadow, Camps        | Meysan Lake                                |
| I- 162.0 | NORTH FORK BIG PINE CREEK    | 3205    | 3            | 5.11     | JM Wilderness Boundary                    | Jct. 3205C/3205F @ 4th lake               |  |
| I- 163.0 | NORTH FORK BIG PINE CREEK    | 3205    | 2            | 1.35     | Jct. 3205C/3205F @ 4th lake               | 6th Lake - campsite                       |  |
| I- 164.0 | BLACK LAKE LOOP              | 3205C   | 3            | 1.65     | Jct.3205 (near 1st Lake)                  | Jct.3205 (@ 4th Lake)                     |  |
| I- 165.0 | PALISADE GLACIER             | 3205D   | 2            | NS       | 0.87                                      | Jct.3205 (tween 3 & 4 Lake)               | Sam Mack Meadows @ Cr Xing (jct. Use trl.) |

| Ref #    | Trail Name                         | Trail # | Alt2 Mod. TC | Seg Mile | Beginning Termini                         | End Termini  |
|----------|------------------------------------|---------|--------------|----------|---|--|
| I- 190.0 | HILTON CREEK (to Jct above Lake 2) | 2942    | 3            | 4.70     | JM Wilderness Boundary                    | Hilton Lake Trail Jct above Lake 2                 |
| I- 191.0 | HILTON CREEK (to 3rd Lake)         | 2942    | 2            | 1.20     | Hilton Lake Trail Jct above Lake 2        | 3rd Hilton Lake Outlet                             |
| I- 192.0 | HILTON CREEK (to 4th Lake)         | 2942    | 2            | 0.59     | 3rd Hilton Lake Outlet                    | Hilton Lake #4                                     |
| I- 193.0 | DAVIS LAKE SPUR                    | 2942A   | 2            | 0.20     | Jct.2942                                  | Camps East of Inlet Creek                          |
| I- 193.1 | DAVIS LAKE SPUR                    | 2942A   | 2            | 0.60     | Camps East of Inlet Creek                 | Penninsula @ North end of Lake, across inlet creek |
| I- 194.0 | MONO PASS                          | 2901    | 3            | 3.27     | JM Wilderness Boundary near Mack Lake     | Mono Pass (INF Boundary)                           |
| I- 195.0 | MONO PASS PACK STATION             | 2901A   | 3            | 0.32     | JM Wilderness Boundary near Mack Lake     | Jct.2901   |
| I- 196.0 | RUBY LAKE                          | 2901B   | 2            | 0.30     | Jct.2901 approx. 2 miles up/S             | Ruby Lake  |
| I- 197.0 | LITTLE LAKES VALLEY                | 2912    | 3            | 3.09     | Jct. 2901 (0.5 mile from TH)              | Morgan Pass  |
| I- 198.0 | LONG LAKE SPUR                     | 2912A   | 2            | 0.13     | Jct.2912 (Morgan Pass) S end Long Lake    | Camps, S side long Lake                            |
| I- 199.0 | CHICKENFOOT LAKE                   | 2912B   | 2            | 0.31     | Jct.2912 (Morgan Pass) N end of Long Lake | Camps, S side Chickenfoot Lake                     |
| I- 200.0 | GEM LAKES                          | 2912C   | 2            | NS       | 0.39 Jct.2912 near Morgan Pass            | Gem Lakes  |
| I- 201.0 | MORGAN PASS                        | 2911    | 3            | 1.66     | JM Wilderness Boundary                    | Morgan Pass  |
| I- 202.0 | TAMARACK LAKES                     | 3003    | 3            | 2.57     | JM Wilderness Boundary                    | Jct. Dorothy Lake Trail (# 3003F)                  |
| I- 203.0 | TAMARACK LAKES                     | 3003    | 2            | 1.35     | Jct. Dorothy Lake Trail (# 3003F)         | N end 2nd Tamarack Lake                            |
| I- 204.0 | FRANCIS LAKE                       | 3003E   | 2            | 0.80     | Jct.3003 near Kenneth Lake                | Francis Lake                                       |
| I- 205.0 | DOROTHY LAKE LOOP                  | 3003F   | 2            | 2.77     | JM Wilderness Boundary                    | Jct.3003 (S of Francis Lk. Jct.)                   |

| Ref #   | Trail Name                                | Trail # | Alt2Mod.<br>TC | Seg<br>Mile | Beginning Termini                       | End Termini                             |
|---------|---|---------|----------------|-------------|---|---|
| S- 23.0 | CORA LAKE SPUR                            | 24E01A  | 1              | 0.50        | Isberg 24E01 (Sec 20)                   | Isberg 24E01 (Sec 33)                   |
| S- 24.0 | IRON CREEK                                | 25E02   | 2              | 7.42        | Mammoth 26E01                           | Stevenson 25E01                         |
| S- 25.0 | CORA CREEK                                | 25E04   | 2              | 4.16        | Stevenson 25E01                         | Gauging Station Cabin (Sec. 5)          |
| S- 26.0 | CHETWOOD CABIN                            | 25E23   | 2              | 2.11        | Stevenson 25E01                         | Isberg 24E01                            |
| S- 27.0 | HOLE                                      | 25E24   | 1              | 0.52        | Ansel Adams Wilderness Boundary         | Isberg 24E01                            |
| S- 28.0 | SOUTH FORK                                | 25E33   | 1              | 0.93        | Ansel Adams Wilderness Boundary         | French 26E16                            |
| S- 29.0 | HELL'S HALF ACRE                          | 25E36   | 1              | 0.03        | Ansel Adams Wilderness Boundary         | French 26E16                            |
| S- 30.0 | FRENCH                                    | 26E16   | 2              | 7.59        | Ansel Adams Wilderness Boundary         | Ansel Adams Wilderness Boundary         |
| S- 31.0 | MONO HOT SPRINGS                          | 27E25   | 1              | 1.27        | Ansel Adams Wilderness Boundary         | Ansel Adams Wilderness Boundary         |
| S- 32.0 | RATTLESNAKE CREEK                         | 27E44   | 2              | 1.80        | Ansel Adams Wilderness Boundary         | Mono Crossing 27E33                     |
| S- 33.0 | IRON LAKE                                 | 26E07   | 2              | 3.69        | Mammoth 26E01                           | Iron Lake                               |
| S- 34.0 | JACKASS LAKES                             | 24E05   | 2              | 1.50        | Ansel Adams Wilderness Boundary         | Norris Lake 24E25                       |
| S- 35.0 | JACKASS LAKES                             | 24E05   | 1              | 0.63        | Norris Lake 24E25                       | Upper Jackass Lake                      |
| S- 36.0 | FERNANDEZ ACCESS                          | 24E12   | 2              | 0.48        | Ansel Adams Wilderness Boundary         | Ca. Riding & Hiking 24E03               |
| S- 37.0 | NORRIS LAKE                               | 24E25   | 3              | 1.75        | Ansel Adams Wilderness Boundary         | Jackass Lake 24E05                      |
| S- 38.0 | CASSIDY MEADOW                            | 26E23   | 1              | 1.70        | Ca. Riding & Hiking 24E03               | Millers Crossing 26E63                  |
| S- 39.0 | RATTLESNAKE LAKE                          | 26E27   | 1              | 0.23        | Cassidy Meadow 26E23                    | Rattlesnake Lake                        |
| S- 40.0 | STEVENSON                                 | 25E01   | 3              | 8.50        | Isberg 24E01                            | Hemlock Crossing                        |
| S- 41.0 | STEVENSON                                 | 25E01   | 2              | 2.00        | Hemlock Crossing                        | Falls Camp just north of Stevenson Mdw. |
| S- 42.0 | STEVENSON                                 | 25E01   | 1              | 1.00        | Falls Camp just north of Stevenson Mdw. | Ritter Creek (Sec. 9)                   |
| S- 43.0 | LILLIAN LAKE LOOP                         | 24E04   | 3              | 5.66        | South Junction CR&H 24E03 Sec.33        | North Junction CR&H 24E03 Sec. 22       |
| S- 44.0 | LILLIAN ACCESS                            | 24E04C  | 2              | 0.25        | Lillian Lake 24E04                      | Lillian Lake                            |
| S- 45.0 | RAINBOW LAKE                              | 24E19   | 1              | 1.41        | Ca. Riding & Hiking 24E03               | Rainbow Lake                            |
| S- 46.0 | FLAT LAKE                                 | 24E19A  | 1              | 0.25        | Rainbow Lake 24E19                      | Flat Lake                               |
| S- 47.0 | CALIFORNIA RIDING & HIKING (Fernandez Tr) | 24E03   | 3              | 8.00        | Yosemite NP Bdy @ Fernandez             | Ansel Adams Wilderness Boundary         |
| S- 48.0 | CALIFORNIA RIDING AND HIKING              | 24E03   | 3              | 4.30        | Ansel Adams Wilderness Boundary         | San Joaquin River/BL-HS Boundary        |

| Ref #                               | Trail Name                                  | Trail # | Alt2Mod.<br>TC | Seg<br>Mile | Beginning Termini               | End Termini                                |           |
|-------------------------------------|---|---------|----------------|-------------|---------------------------------|--|-----------|
| S- 73.0                             | LADY LAKE                                   | 24E37   | 2              | 0.58        | Lillian Lake 24E04              | Lady Lake                                  |           |
| S- 74.0                             | POST PEAK                                   | 24E02   | 3              | 4.87        | Ca. Riding & Hiking 24E03       | YNP Boundary                               |           |
| S- 75.0                             | SLAB LAKE                                   | 24E15   | 1              | 2.17        | Post Peak 24E02                 | Slab Lake                                  |           |
| S- 76.0                             | RUTHERFORD LAKE                             | 24E16   | 2              | 0.24        | Anne Lake 24E38                 | Rutherford Lake                            |           |
| S- 77.0                             | POST CREEK                                  | 24E17   | 2              | 3.87        | Timber Creek 24E13              | Post Peak 24E02                            |           |
| S- 78.0                             | ANNE LAKE                                   | 24E38   | 2              | 0.62        | Ca. Riding & Hiking 24E03       | Anne Lake                                  |           |
| <b>Bishop/Humphreys – Sierra NF</b> |   |         |                |             |                                 |  |           |
| S- 79.0                             | MERRIAM LAKE                                | 29E13   | 2              | 1.55        | French Canyon 30E02             | Merriam Meadow north end                   |           |
| S- 80.0                             | PILOT KNOB                                  | 29E16   | 0              | 2.00        | French Canyon Trail 30E02       | Piute Canyon Trail 30E01                   |           |
| S- 81.0                             | FRENCH CANYON                               | 30E02   | 3              | 4.91        | Piute Canyon 30E01              | Pine Creek Pass Inyo N.F. Boundary         |           |
| S- 82.0                             | L LAKE                                      | 30E02A  | 2              | 1.54        | French Canyon 30E02             | L Lake                                     |           |
| S- 83.0                             | MOON LAKE CUTOFF                            | 30E02B  | 0              | 0.50        | L lake Trail                    | L Lake Trail                               |           |
| S- 84.0                             | LOWER HONEYMOON LAKE                        | 29E49   | 1              | 0.80        | Piute Canyon 30E01              | Lower Honeymoon Lake                       |           |
| S- 85.0                             | PIUTE CANYON                                | 30E01   | 3              | 11.26       | PCT 20E00                       | Piute Pass Inyo NF Boundary                |           |
| S- 86.0                             | MURIEL LAKE                                 | 30E01B  | 2              | 0.75        | Piute Canyon 30E01              | Muriel Lake                                |           |
| S- 87.0                             | GOLDEN TROUT LAKE                           | 30E06   | 0              | 1.16        | Piute Canyon 30E01 (Sec. 18)    | Sierra Club Camp                           |           |
| S- 88.0                             | GOLDEN TROUT LAKE                           | 30E06   | 0              | 1.16        | Sierra Club Camp                | Piute Canyon 30E01 (Sec. 20)               |           |
| S- 88.1                             | GOLDEN TROUT LK - PIUTE CYN SPUR            | 30E06A  | 2              | 0.40        | Piute Canyon 30E01              | Camps at Golden Trout and Sierra Club Camp |           |
| S- 89.0                             | DESOLATION LAKE                             | 30E03   | 1              | 2.24        | Piute Canyon 30E01              | Desolation Lake                            |           |
| S- 90.0                             | HUMPHREYS LAKE                              | 30E04   | 1              | 2.11        | Piute Canyon 30E01              | Upper Humphrey's Lake                      |           |
| <b>Fish Creek – Sierra NF</b>       |   |         |                |             |                                 |  |           |
| S- 91.0                             | ROCK LAKE                                   | 26E02   | 1              | 1.60        | AA/JM Wild Boundary (Sec. 22)   | AA/JM Wild Boundary (Sec. 24 )             |           |
| S- 92.0                             | ROCK LAKE                                   | 26E02   | 2              | 1.83        | AA/JM Wild Boundary (Sec. 25 )  | Margaret Lakes 26E03                       |           |
| S- 93.0                             | MARGARET LAKES                              | 26E03   | 3              | 3.86        | Ansel Adams Wilderness Boundary | AA/JM Wild Boundary                        |           |
| S- 94.0                             | MARGARET LAKES (to Big Margaret)            | 26E03   | 3              | 4.00        | AA/JM WildBoundary              | Big Margaret Lake                          |           |
| S- 95.0                             | MARGARET LAKES (Big Marg to Rainbow Outlet) | 26E03   | 2              | NS*         | 1.25                            | Big Margaret Lake                          | Baby Lake |

| Ref #    | Trail Name                                   | Trail #  | Alt2Mod.<br>TC | Seg<br>Mile | Beginning Termini                             | End Termini                             |  |
|----------|--|----------|----------------|-------------|---|---|--|
| S- 119.0 | HOT SPRINGS PASS                             | 27E20    | 2              | 3.00        | John Muir Wilderness Boundary (Sec. 5)        | John Muir Wilderness Boundary (Sec. 34) |  |
| S- 120.0 | HOT SPRINGS PASS                             | 27E20    | 2              | 4.29        | John Muir Wild Bdy (Sec. 35 near Summit Lake) | Florence Lake 27E81                     |  |
| S- 121.0 | DUTCH OVEN                                   | 27E52    | 2              | 6.11        | Crater Lake 27E05                             | Hot Springs Pass 27E20                  |  |
| S- 122.0 | SUMMIT LAKE                                  | 27E67    | 1              | 4.00        | Hot Springs Pass 27E20                        | Hot Springs Pass 27E20 @ Summit Lake    |  |
| S- 123.0 | FLORENCE FERRY                               | 28E25    | 2              | 0.42        | John Muir Wilderness Boundary                 | Florence Lake 27E81                     |  |
| S- 124.0 | LAKE CAMP                                    | 26E40.04 | 0              | 1.50        | Dusy-Ershim OHV trail                         | Lakecamp Lake                           |  |
| S- 125.0 | HELL HOLE                                    | 27E04    | 2              | 0.99        | John Muir Wilderness Boundary                 | Hell Hole Meadow                        |  |
| S- 126.0 | POISON MEADOW                                | 27E26    | 1              | 1.55        | John Muir Wilderness Boundary                 | Cirque Lake 28E23                       |  |
| S- 127.0 | HOOPER DIVERSION                             | 28E45    | 2              | 4.98        | John Muir Wilderness Boundary                 | Gordon Lake                             |  |
| S- 128.0 | LAKE ITALY                                   | 29E08    | 2              | 1.20        | PCT 20E00                                     | Hilgard Meadow                          |  |
| S- 129.0 | LAKE ITALY                                   | 29E08    | 1              | NS          | 5.34  | Hilgard Meadow                          | Italy Pass (Sierra/Inyo Forest Boundary) |
| S- 130.0 | FLORENCE LAKE                                | 27E81    | 3              | 8.96        | John Muir Wilderness Boundary                 | PCT 20E00                               |  |
| S- 131.0 | BLAYNEY HOT SPRINGS                          | 27E81A   | 2              | 0.50        | Florence Lake 27E81                           | South Fork San Joaquin River (Sec. 14)  |  |
| S- 132.0 | SALLIE KEYES CUTOFF (Muir Trail Ranch - PCT) | 30E09    | 3              | 0.62        | Florence Lake 27E81                           | PCT 20E00                               |  |
| S- 133.0 | PACIFIC CREST TRAIL                          | 20E00    | 3              | 15.00       | Sequoia/Kings NP Boundary                     | Kip Camp, Bear Creek jct                |  |
| S- 134.0 | ROSE LAKE                                    | 28E19    | 2              | 1.37        | PCT 20E00                                     | Rose Lake                               |  |
| S- 135.0 | SANDPIPER LAKE                               | 28E24    | 2              | 0.50        | PCT 20E00                                     | Lou Beverly                             |  |
| S- 136.0 | SANDPIPER LAKE                               | 28E24    | 2              | NS*         | 1.29  | Lou Beverly                             | Sandpiper Lake                           |
| S- 137.0 | BLACKCAP                                     | 29E03    | 3              | 11.00       | John Muir Wilderness Boundary                 | Bench Valley 29E25                      |  |
| S- 138.0 | BLACKCAP                                     | 29E03    | 2              | 4.50        | Bench Valley 29E25                            | Portal Lake                             |  |
| S- 139.0 | WOODCHUCK                                    | 29E04    | 3              | 12.16       | John Muir Wilderness Boundary                 | Halfmoon Cutoff 29E27                   |  |
| S- 140.0 | WOODCHUCK                                    | 29E04    | 2              | 3.25        | Halfmoon Cutoff 29E27                         | Blackcap 29E03 sec 22                   |  |
| S- 141.0 | BENCH VALLEY                                 | 29E25    | 2              | 4.79        | Blackcap 29E03                                | Horsehead Lake                          |  |
| S- 142.0 | HALFMOON CUTOFF                              | 29E27    | 3              | 2.12        | Woodchuck 29E04                               | Blackcap 29E03                          |  |
| S- 143.0 | CROWN BASIN                                  | 29E09    | 1              | 1.00        | Blackcap 29E03                                | Crown Basin Sec. 26                     |  |
| S- 144.0 | COYOTE PASS (to mdw below pass)              | 29E31    | 2              | 6.64        | Crown Valley 29E06                            | Mountain Meadow                         |  |

| Ref #                                     | Trail Name                     | Trail # | Alt2Mod.<br>TC | Seg<br>Mile | Beginning Termini               | End Termini                     |                                |
|---|--------------------------------|---------|----------------|-------------|---------------------------------|---------------------------------|--------------------------------|
| S-170.0                                   | CABIN                          | 29E39   | 2              | 3.02        | Woodchuck 29E04                 | Chain Lakes 29E33               |                                |
| S-171.0                                   | CABIN                          | 29E39   | 1              | 1.75        | Chain Lakes 29E33               | Crown Valley 29E06              |                                |
| S-172.0                                   | SPANISH LAKE                   | 28E09   | 2              | 1.34        | Spanish Loop 28E12              | End of Spanish OHV Route 11S07A |                                |
| S-173.0                                   | TWIN LAKES                     | 28E10   | 1              | 0.85        | Spanish Lake 28E09              | Twin Lakes                      |                                |
| S-174.0                                   | SPANISH LAKE LOOP              | 28E12   | 2              | 6.31        | Statham 28E40                   | Crown Valley 29E06              |                                |
| S-175.0                                   | STATHAM                        | 28E40   | 2              | 3.70        | John Muir Wilderness Boundary   | Crown Valley 29E06              |                                |
| <b>Mono Creek, Rock Creek – Sierra NF</b> |                                |         |                |             |                                 |                                 |                                |
| S-176.0                                   | BEAR CREEK (to Twin Falls)     | 28E01   | 2              | 2.56        | John Muir Wilderness Boundary   | Twin Falls                      |                                |
| S-176.1                                   | BEAR CREEK (Twin Falls to PCT) | 28E01   | 2              | NS*         | 3.60                            | Twin Falls                      | PCT 20E00                      |
| S-177.0                                   | BEAR RIDGE                     | 28E17   | 3              | 4.90        | John Muir Wilderness Boundary   | PCT 20E00                       |                                |
| S-178.0                                   | BEAR CREEK CUTOFF              | 28E26   | 3              | 2.66        | John Muir Wilderness Boundary   | Bear Cr 28E01                   |                                |
| S-179.0                                   | PACIFIC CREST TRAIL            | 20E00   | 3              | 12.00       | Kip Camp, Bear Creek jct        | Silver Pass Inyo Admin Boundary |                                |
| S-180.0                                   | DEVILS BATHTUB                 | 27E03   | 2              | 2.89        | Ansel Adams Wilderness Boundary | John Muir Wilderness Boundary   |                                |
| S-181.0                                   | DEVILS BATHTUB                 | 27E03   | 2              | 1.35        | John Muir Wilderness Boundary   | Devil's Bathtub (Outlet)        |                                |
| S-182.0                                   | HIGH SIERRA PACK STATION       | 29E01A  | 3              | 0.50        | Ansel Adams Wilderness Boundary | Ansel Adams Wilderness Boundary |                                |
| S-183.0                                   | GOLDEN LAKE                    | 29E10   | 2              | NS          | 0.81                            | Mono Creek 29E01                | Golden Lake                    |
| S-184.0                                   | FOURTH RECESS LAKE             | 29E41   | 2              | 0.51        | Mono Creek 29E01                | 4th Recess Lake                 |                                |
| S-185.0                                   | THIRD RECESS LAKE              | 29E48   | 1              | NS          | 1.45                            | Mono Creek 29E01                | 3rd Recess Lake                |
| S-186.0                                   | GRAVEYARD LAKES (Lower Lake)   | 28E15   | 2              | 0.94        | Goodale Pass 28E20              | 1st Graveyard Lake - North End  |                                |
| S-187.0                                   | UPPER GRAVEYARD LAKES          | 28E15A* | 2              | NS          | 0.70                            | 1st Graveyard Lake - North End  | Upper (largest) Graveyard Lake |
| S-188.0                                   | ARROWHEAD LAKE                 | 28E20A  | 2              | 1.50        | Goodale Pass 28E19              | Arrowhead Lake                  |                                |
| S-189.0                                   | FEATHER LAKE                   | 28E20B  | 1              | 1.00        | Arrowhead Lake                  | Feather Lake                    |                                |
| S-190.0                                   | MONO CREEK                     | 29E01   | 3              | 0.19        | Ansel Adams Wilderness Boundary | Ansel Adams Wilderness Boundary |                                |
| S-191.0                                   | MONO CREEK                     | 29E01   | 3              | 1.11        | John Muir Wilderness Boundary   | PCT 20E00 (Sec 21)              |                                |
| S-192.0                                   | MONO CREEK                     | 29E01   | 3              | 11.15       | PCT 20E00 (Sec 16)              | Mono Pass/Forest Boundary       |                                |
| S-193.0                                   | HOPKINS PASS                   | 29E07   | 2              | 2.80        | Mono Creek 29E01                | Meadow - 1 mile below pass      |                                |

## **Exhibit 6**

### **Yosemite Toad/Functional at Risk Meadow Closure Maps**

Inyo National Forest – Continue to use maps provided in 2008. **The status of Trinity Complex Meadows on the Inyo National Forest has changed from open to closed.** Mapped changes are being developed and will be provided prior to the operating season.

Sierra National Forest – No change from 2009, continue to use maps provided in 2009

Contact your permit administrator if additional copies are needed.

**Exhibit 8 – “Red Area” Maps**  
**2010 Use Overlap Impact Analysis "Red Areas"**

**No changes have been made from the 2009 maps, continue to use the maps provided in 2009.**

## **Exhibit 9**

### **GT/SS Restricted Camping/Designated Sites**

6 Maps

**Inyo National Forest Maps – no change from 2008, continue to use maps provided in 2008**

**Contact your permit administrator if additional copies are needed.**

**Exhibit 10**

The following table displays allowable grazing utilization standards for the Kern Plateau. The standards are consistent with those assigned to production livestock grazing on the Kern Plateau and are based on LRMP Amendment #6. Areas closed to commercial pack stock grazing as determined in the 2006 Permit Issuance FEIS are also noted.

| <b>KERN PLATEAU ALLOWABLE USE</b><br>Allowable use standards apply to all authorized permitted commercial grazing use (e.g. cattle, sheep, horses, mules etc). Standard is the sum of all use by grazing animals, both domestic and wildlife. |   | <b>Allowable Use</b> |             |
|---|---|----------------------|-------------|
| <b>Key Area Name</b>  | <b>Key Species</b>                          | <b>Early</b>         | <b>Late</b> |
| Ash Meadow  | Sedge ( <i>Carex</i> sp.)                   | 35%                  | 25%         |
|   | Bunchgrasses                                | 35%                  | 25%         |
| Bear Meadow   | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Big Dry Meadow  | Sedge ( <i>Carex</i> sp.)                   | 45%                  | 35%         |
| Big Dry Meadow (near Gomez)   |   | No grazing           |             |
| Big Whitney Meadow above confluence of main tributaries, Stokes Stringer (includes Barigan Stringer) (see restrictions below)   | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Big Whitney Meadow below confluence of main tributaries (see map)   |   | no grazing           |             |
| Boghole Meadow  | Sedge ( <i>Carex</i> sp.)                   | 30%                  | 20%         |
| Brown Meadows   | Sedge ( <i>Carex</i> sp.)                   | 20%                  | 10%         |
| Bull and McConnel Meadows   | Sedge ( <i>Carex</i> sp.)                   | 25%                  | 15%         |
| Bullfrog Meadows  |   | no grazing           |             |
| Casa Vieja Meadow   | Sedge ( <i>Carex</i> sp.)                   | 35%                  | 25%         |
| Cold Meadows  | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Diaz Meadow   | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Dry Creek   | Sedge ( <i>Carex</i> sp.)                   | 30%                  | 20%         |
| Dutch John Meadow   | Sedge ( <i>Carex</i> sp.)                   | 5%*                  | 5%*         |
| Dutch Meadow  | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Fat Cow Meadow  |   | no grazing           |             |
| Freckles Meadow   | Sedge ( <i>Carex</i> sp.)                   | 50%                  | 40%         |
| Gomez Meadow  | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Groundhog Meadow (includes Golden Trout Creek below Tunnel Guard Station)   | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Grouse Meadow & East Potholes   | Sedge ( <i>Carex</i> sp.)                   | 25%                  | 15%         |
| Hessian Meadow  | Sedge ( <i>Carex</i> sp.)                   | 5%*                  | 5%*         |
| Honeybee Uplands  | Bunchgrasses<br>( <i>Achnatherum</i> spp.)  | 30%                  | 50%         |
| Kingfisher Stringer   | Sedge ( <i>Carex</i> sp.)                   | 50%                  | 40%         |
| Lewis Stringer  | Sedge ( <i>Carex</i> sp.)                   | 30%                  | 20%         |
| Little Dry Meadow   | Sedge ( <i>Carex</i> sp.)                   | 25%                  | 15%         |
| Long Canyon   | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Long Stringer   | Sedge ( <i>Carex</i> sp.)                   | 30%                  | 20%         |
| McConnel Meadow (includes SF Kern River from above Tunnel Meadow to junction with McConnel tributary)   | Sedge ( <i>Carex</i> sp.)                   | 40%                  | 30%         |
| Mid-Mulkey Meadows  | Sedge ( <i>Carex</i> sp.)                   | 35%                  | 25%         |
|   | Bluegrass ( <i>Poa</i> sp.)                 | 35%                  | 25%         |
|   | Alpine timothy<br>( <i>Phleum alpinum</i> ) | 35%                  | 25%         |



Forest  
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File Code: 2300/2200

Date: April 9, 2012

Route To:

**Subject:** Wilderness Grazing Start Dates for Ansel Adams, John Muir and Dinkey Lakes  
Wildernesses

**To:** Forest Supervisor

In accordance with direction provided in the 2001 Ansel Adams, John Muir, and Dinkey Lakes Wilderness FEIS, Appendix G, page 5, a preliminary forecast for wilderness grazing start dates are to be made based on existing snowpack, daily temperatures and long range forecasts. Grazing start dates are designed to minimize disturbance and detrimental impacts to vegetation and soils from grazing. Historical start dates for grazing seasons in the wilderness have generally been around July 1. Data from the California Department of Water Resources and the National Weather Service are used to make this prediction annually.

#### Summary of Water Conditions

Summary of Water Conditions data from the Department of Water Resources was used to predict the water year conditions in the Sierra Nevada on the Inyo and Sierra National Forests. The data published online in Bulletin 120 – *Summary of Water Conditions, March 1, 2012*, is summarized below:

February was a big disappointment for the water community. Precipitation was only about one-third average. Since October we have had 4 consecutive dry months. Except for January, the months have been far below average. Some snow occurred during February to provide some winter sports opportunities, but added only 5 percent to the pack. The snowpack at the end of the month was only about 30 percent of average, the 3<sup>rd</sup> lowest in the past 60 years. Reservoir storage is still somewhat above average overall, but with such low expected runoff, water supplies will probably not be enough to take care of all the agricultural needs. Sacramento and San Joaquin river forecasted runoff amounts would rank this water year in the lowest 5 percent of water years, similar to 1976. About one third of the rainy season is left and some improvement may yet occur, but recovery to near normal runoff levels is unlikely.

**Forecasts** of the median April through July runoff are about 40 percent of average compared to 110 percent last year at this time and the actual runoff was 180 percent at the end of the year. All regions have low percentages, although the North Coast is a bit better. Water year runoff forecasts are also about 40 percent of average.

**Snowpack** water content is about 30 percent of average for this date compared to 125 percent a year ago. The pack is only about 25 percent of the April 1 average, which is normally the date of



maximum accumulation. The central Sierra region percentages are a bit lower. In the last 60 years, the only years with less snow on March 1 were 1991 and 1977.

**Precipitation** from October through February was about 55 percent of average compared to 125 percent last year. February statewide precipitation was about 35 percent of average for the month. Seasonal precipitation was slightly heavier on the North Coast at 65 percent and lightest in the eastern desert regions.

**Precipitation by Region**

Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 45 percent of normal. Seasonal precipitation at this time last year stood at 140 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 50 percent of normal. Seasonal precipitation at this time last year stood at 160 percent of normal. Seasonal precipitation on the **South Lahontan** was 40 percent of normal. Seasonal precipitation at this time last year stood at 190 percent of normal.

Table 1 shows seasonal precipitation in percent of average (from October 1 to March 31) for each river basin based on the data available April 4, 2012 from the California Department of Water Resources (<http://cdec.water.ca.gov>). The averages for 2011 are shown for comparison.

**Table 1 Seasonal precipitation by river basin for 2012 and 2011.**

| Region   | Precipitation (Oct 1-March 31) |            |
|--|--------------------------------|------------|
|  | March 2012                     | March 2011 |
| San Joaquin River ( <i>San Joaquin, Merced Tuolumne, Stanislaus, Mokelumne and Cosumnes Rivers</i> ) | 45%                            | 140%       |
| Tulare Lake ( <i>Kings, Kaweah, Tule and Kern Rivers</i> )   | 50%                            | 160%       |
| South Lahontan ( <i>Owens River</i> )  | 40%                            | 190%       |

**Snowpack by Region**

Table 2 shows the snowpack water content as a percent of the seasonal (April 1<sup>st</sup>) average for each river basin based on the data available April 4<sup>th</sup>, 2012 from the California Department of Water Resources (<http://cdec.water.ca.gov>). The averages for 2011 are shown for comparison.

**Table 2 Snowpack water content (% of April 1 average)**

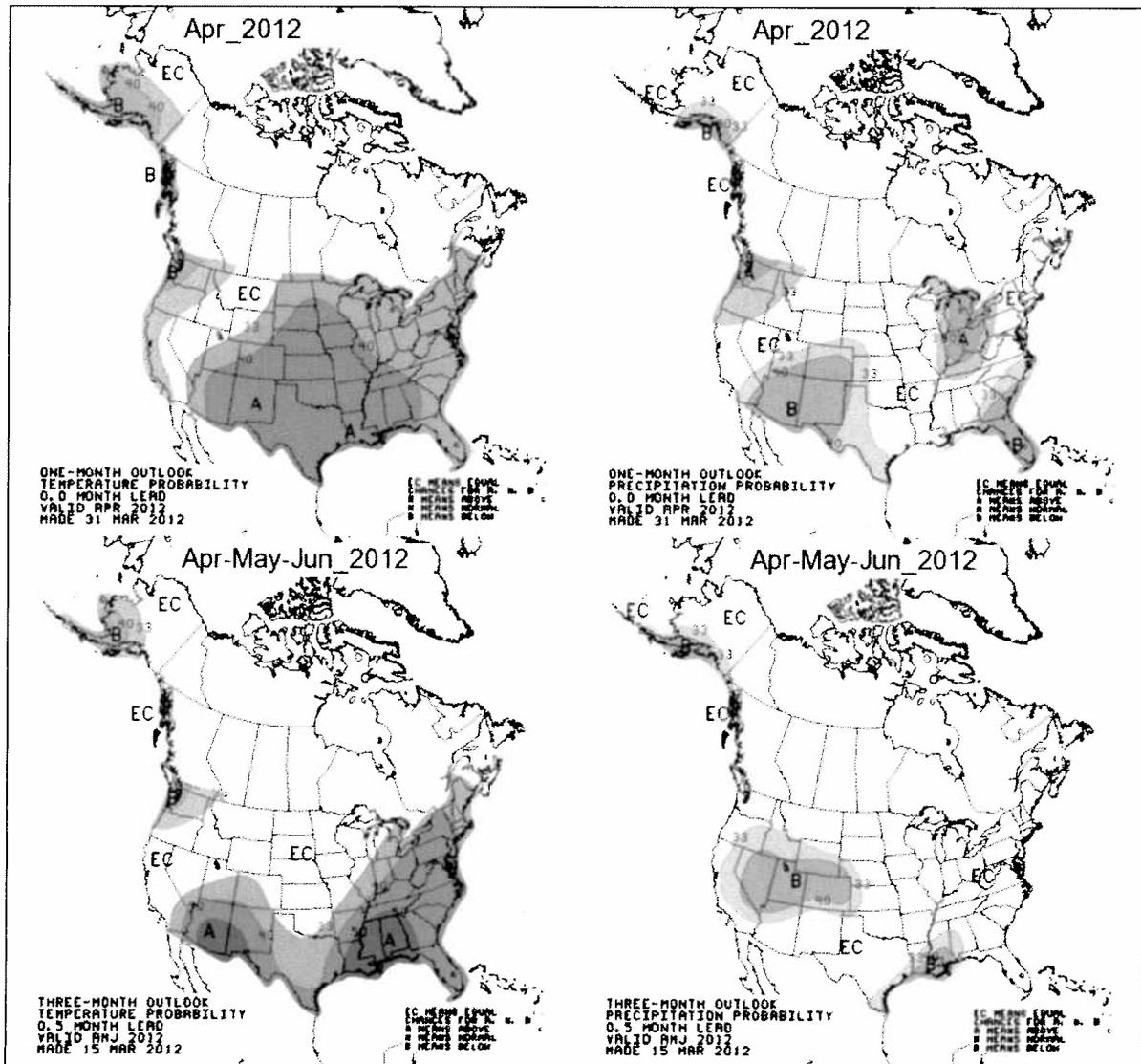
| Region   | Snowpack Seasonal Average (Water Content in % of April 1 <sup>st</sup> average) |            |
|--|---|------------|
|  | March 2012  | March 2011 |
| San Joaquin River ( <i>San Joaquin, Merced Tuolumne, Stanislaus, Mokelumne and Cosumnes Rivers</i> ) | 25%   | 175%       |
| Tulare Lake ( <i>Kings, Kaweah, Tule and Kern Rivers</i> )   | 30%   | 185%       |
| South Lahontan ( <i>Owens River</i> )  | 30%   | 170%       |

Outlook for 2012 Summer Weather

The National Weather Service *One-Month-Outlook* for this portion of the Sierra Nevada region for the month of April 2012 calls for equal chances of above, normal or below normal temperatures and precipitation.

The *Three-Month-Outlook* for April, May and June 2012 calls for equal chances of above, normal or below normal temperatures and below normal precipitation.

The Climate Prediction Center maps of forecasted deviations from average temperatures and precipitation are shown below. The top two maps are for the month of April and the bottom two show forecasts for the months of April, May and June 2012.



(<http://www.cpc.ncep.noaa.gov/products/predictions/90day/>)

**Forecasted 2012 Range Readiness Dates**

The forecasted range readiness dates in this letter are the predicted range readiness dates that will be included in Forest Orders issued before the season begins. Based on the snow pack water content being only 30% of average, and the predicted weather, 2012 is expected to be a dry year.

Table 3 below reflects the predicted grazing start dates for the Inyo and Sierra National Forests. The Inyo National Forest Orders will apply to areas of the Sierra National Forest administered by the Inyo National Forest.

**Table 3 Predicted grazing on-dates by elevational range  
Sierra National Forest**

(Not including area administered by the INF)

| <b>Elevation (feet)</b> | <b>Start Date</b> |
|-------------------------|-------------------|
| <b>7000-7999</b>        | <b>June 1</b>     |
| <b>8000-8999</b>        | <b>June 15</b>    |
| <b>9000-9999</b>        | <b>July 1</b>     |
| <b>&gt;10,000</b>       | <b>August 1</b>   |

**Inyo National Forest**

(Including SNF area administered by the INF)

| <b>Elevation (feet)</b> | <b>Start Date</b> |
|-------------------------|-------------------|
| <b>7000-7999</b>        | <b>June 1</b>     |
| <b>8000-8999</b>        | <b>June 15</b>    |
| <b>9000-9999</b>        | <b>July 1</b>     |
| <b>&gt;10,000</b>       | <b>August 1</b>   |

Summer weather and local conditions may result in local differences in actual range readiness dates. The predicted range readiness on-dates are estimates and may not reflect variations in aspect, slope and groundwater influences in a particular meadow. Stock users will be responsible for evaluating local range readiness conditions and not allowing their stock to enter areas that are too wet. Commercial stock users are encouraged to work closely with Special Use Permit Administrators and Wilderness Staff to determine the status of grazing areas as summer approaches.

*/s/ Amy Gustafson*  
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Rangeland Management Specialist

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