United States Department of the Interior
Bureau of Land Management

Date 02/03/2009

Environmental Assessment
BLM-CA-C050-2009-0006

2009 Sawmill/Crosscut Motorcycle Enduros
South Cow Mountain Recreation Area, Lake and Mendocino Counties

U.S. Department of the Interior
Bureau of Land Management
Ukiah Field Office
2550 North State Street
Ukiah, CA 95482
Phone: (707) 468-4000
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Project Title: Special Recreation Permit for North Bay Motorcycle Club Sawmill and Crosscut Family Motorcycle Enduro events.

Name and Address of Proponent: North Bay Motorcycle Club, Attn: Dave Froman, 423 Garfield Park Ave., Santa Rosa, CA 95409

Case File: CA-050-09-SRP-001

Project Location: South Cow Mountain Recreation Area – T14N, R11W; T14N, R10W (all sections contained within Recreation Area)

Land Status Verified: Yes

Affected Surface Area: Approximately 20,000 acres indirectly affected. See Appendices for maps of specific proposed trail routes.

Relationships to Statutes and Regulations:
The proposed action is also consistent with the following Federal natural resource related policies and laws:

- Archeological Resources Protection Act of 1979 (16 U.S.C. 470aa - 470mm)
- Native American Graves and Repatriation Act of 1990 (43 CFR 7)
- American Indian Religious Freedom Act of 1978
- Federal Land Policy and Management Act (FLPMA) of 1976 as amended
- Federal Water Pollution Control Act of 1977 (Clean Water Act) (33 U.S.C. 1251 et seq.)
- Clean Air Act of 1955
- Taylor Grazing Act, as amended, 1970
- Lacey Act (Federal Noxious Weed Act of 1974)
- Public Rangelands Improvement Act 1978
- Healthy Forest Restoration Act of 2003
- Wilderness Act of 1964
- Wild and Scenic Rivers Act of 1968
- Surface Mining and Reclamation Act of 1977
- BLM Manual Section 6840
- Executive Order 11987 Exotic Species
- Executive Order 13112 (1999) National Invasive Species Council
2009 Sawmill/Crosscut Motorcycle Enduros
BLM-CA-C050-2009-0006

- Executive Order 12580 Clean Water
- Executive Order 13112 Invasive Species
- Executive Order 13186 Responsibilities of Federal Agencies to Protect Migratory Birds
- Executive Order 13084 Consultation and Coordination with Indian Tribal Government
- Executive Order 12989 Environmental Justice in Minority Populations and Low-Income Populations
- Executive Order 11990 Protection of Wetlands
- Executive Order 11988 Floodplain Management
- Public Law No. 109-362 - Northern California Coastal Wild Heritage Wilderness Act

Conformance with Applicable Land Use Plan or other Plans:

The proposed action is in conformance with the Ukiah Resource Management Plan (Record of Decision, September 2006).

- 2.13 Travel Management and Route Designation, Introduction, page 21:”…The route system is both manageable and sustainable, and is compatible with the new Recreation Opportunity Spectrum (ROS) program…”

- 2.14 Recreation, page 23:”The RMP provides a broad spectrum of recreation management, including facilities development, signage, permitting systems to balance access levels…”

- 2.6 Riparian and Wetland Resources, Goals, page 8: “Rehabilitate, restore, and maintain riparian and wetland areas.”

Purpose and Need for the Proposed Action:

Purpose: The purpose of the proposed action is to permit two (2) motorcycle events in the South Cow Mountain Recreation Area. Actions to manage the expected 500+ participants and spectators are specified in the stipulations.

Need: South Cow Mountain Recreation Area has been the location of motorcycle events for the last 20+ years. As areas close to OHV use (Clear Creek), there is increased demand for locations to hold events. The interest in events in this area has increased 100% in the last year. These events promote positive off-highway vehicle recreation opportunities in the South Cow Mountain Recreation Area as well as statewide.

I. DESCRIPTION OF ALTERNATIVES, INCLUDING PROPOSED ACTION

Introduction: This Environmental Assessment (EA) has been prepared to analyze the issuance of a special recreation permit for North Bay Motorcycle Club (NBMC) to put on the Sawmill
Motorcycle Enduro on Sunday, April 5, 2009 and the Crosscut Family Motorcycle Enduro on Saturday, April 4, 2009. The EA is an area-specific analysis of potential impacts that could result with the implementation of a proposed action or alternatives to the proposed action. This type of action has been previously proposed and granted in the same area. NBMC has prior experience and knowledge of putting on events like this at South Cow Mountain and other off-highway vehicle (OHV) areas.

**Background (of Management Area):** South Cow Mountain, though primarily an OHV area, also offers camping, hiking, mountain biking, picnicking, fishing, and hunting. OHV users are served by approximately 100 miles of OHV trails winding through the area. Two developed staging areas with restrooms and picnic sites are available. An unpaved road traverses the area and provides vehicle access to the staging areas and campgrounds. South Cow Mountain has a wet weather closure policy in effect. South Cow Mountain is also occasionally closed for prescribed burns and race events. South Cow Mountain supports local economies and provides off-highway vehicle recreation opportunities for northern California. In October 2006, PL 109-362 specified that motorized recreation be a prescribed use in the South Cow Mountain OHV Management Area. Due to the rugged terrain and dense vegetation (See Wildlife, Terrestrial for a breakdown of Vegetation Types) OHV riders are generally restricted to the trail system. The trail system is less than 1% of the total acreage of the South Cow Mountain Recreation Area (27,000 acres).

**Alternative A – Proposed Action:** The proposed action is to issue a special recreation permit to North Bay Motorcycle Club to hold two events on the weekend of April 4 - 5, 2009, on South Cow Mountain. The Sawmill Enduro would be held on April 5, 2009 and the Crosscut Family Enduro would be on April 4, 2009. The entire South Cow Mountain Recreation Area, including the Scott’s Creek Staging Area, would be closed to the public from Friday, April 3, 2009 thru Sunday, April 5, 2009. Notification to the public of the closures will be via press releases, website, primary office telephone message, and OHV area flyer posted at campgrounds and staging areas at the South Cow Mtn. OHV Recreation Area.

The former Army Corps of Engineer property at the confluence of Scotts Creek and South Fork Scotts Creek (aka BlueWolf) would be used as a staging area for an estimated 165 people and club staff. All other event participants, support personnel and spectators would be allowed to camp, stage and pit at the Scotts Creek Staging Area. Maximum number of people camping at Scotts Creek is estimated at 500 hundred. The Scotts Creek Staging Area has been used for this type of activity in the past. The attached stipulations, fire restrictions and monitoring plan would be used as management guidelines for the event. There may also be vendors located at the Scotts Creek Staging Area that are associated with the event.

The event will be allowed only if soil moisture levels are not so high that undue trail damage will occur. The soil condition will be examined closely during the week prior to the event. Variables affecting the decision include intensity of rainfall, length of dry period prior to the event, temperature, wind, and weather forecasts. In the event that moderate rains insufficient for closure occur on the day of the event, mitigation measures to repair damage to trails will be carried out by the permittee at the direction of BLM within 30 days following the event. The event may be
cancelled by the BLM representative for reasons of soil moisture and resulting trail impacts at any time.

All participants will be required to pass a vehicle inspection that includes check for vehicle registration permanently affixed to the machine, a Forest Service Approved spark arrestor, a sound level check in accordance with the State of California regulation; and appropriate safety gear. Any participant who fails any portion of the inspection may not start the event. Those who fail the inspection may be subject to a citation. BLM may disqualify any participant at any time for failure to pass this inspection.

Any equipment used by permittee or any vendor associated with this permit must be equipped with a spark arrester and operated in accordance with State law. All vendors will be required to have appropriate business licenses from Lake County.

Permit stipulations to mitigate impacts include:

**Sawmill Enduro:**
The Sawmill Enduro event would be held on Sunday, April 5, 2009

An enduro is a timed event. Riders are flagged off in one-minute intervals, and follow a set of route instructions as they try to maintain a designated average speed. The ability to stay on the average speed, combined with the needed bike-handling skills, make enduros a unique challenge. This event will follow the rules and regulations that are found in the 2007 AMA Sports Rules Governing Pro AM, Standard, ATV and Youth Competition.

NBMC has identified the main race course on a map that is approximately 75 miles in length and creates a perimeter of the recreation area (Appendix A). There will be 4 check points located around the course with one gas stop on Mendo-Lake Road at the trail 1A intersection (Westside Staging Area). At each check point, there will be approximately four people staged recording times that riders enter the check point. Generally check points will be wide enough for four people and two to three bikes and at locations that won’t be seen by riders at a straight away. All check points, staging areas, and gas stops will have HAM (amateur radio operators) radio communications. The entire course will be pre- ridden just ahead of the riders to ensure all markings are up and the route is clear. The entire course will be patrolled by the National Motorcycle Safety Patrol, and will be swept behind the last rider out to make sure all riders return to the start/finish safely.

Sign ups will occur on Friday 2:00 pm to 5:00 pm and 7:00 pm to 10:00 pm and on Saturday 6:00 am to 9:00 am. The event will start at 9:00 am and be concluded by 4:00 pm.

For the proposed action, NBMC has requested the use of five trail segments that are not identified in the Ukiah Field Office RMP as open to OHV use (see Appendix A). BLM has agreed to the use of the following trail segments that are not designated routes in the RMP:

1. 4B to 4D
2. 4F to 3N
3. 17C to 15G
4. 17B to 16C

**Crosscut Family Enduro:**
The Crosscut Family Enduro event would be held on Saturday, April 4, 2009

The event is essentially the same as the Sawmill Enduro, however the course route is simplified to accommodate less experienced riders.

The event will start at 9:00 am and be concluded by 4:00 pm

The course for the proposed route for this event, with the exception of the above additional trail segments, is on trails identified in the Ukiah Field Office RMP as open for OHV use (see Appendix B).

**SPECIFIC STIPULATIONS**

1. The Authorized Officer will complete an evaluation of the racecourse and staging/pit areas immediately prior to and following the permitted event. Upon inspection, a determination will be made on which portions of the event area or racecourse, if any, need additional rehabilitation. The permittee may be required to grade, drag, disc or seed; soil and vegetation areas within the course or staging area that were significantly changed or impacted as a result of the event. Site-specific stipulations requiring rehabilitation of areas must be accomplished within 15 days following the event unless a shorter time frame is required for public safety. The permittee shall be responsible for all costs associated with required rehabilitation.

2. The permittee will take every reasonable precaution to protect significant natural resource values, cultural or historic objects, aesthetic values, and any improvement on the public lands involved. Any government-owned structures, property, land or resources harmed or damaged by the permittee, participants, or spectators associated with the permitted use shall be reconstructed, repaired, rehabilitated, and restored as may be required by BLM within 30 days after the event to the condition prior to such damage or destruction. Permittee further shall abate as soon as practicable any condition existing which may cause harm or damage to any person, structure, property, land, stream, or wildlife.

3. The permittee is responsible for litter clean-up and the removal and disposal of route markers. All route markers must be removed within 7 calendar days of the completion of the event.

4. The permittee will distribute written instructions and will hold a pre-event briefing at the site to inform participants of routes, regulations, safety procedures, and other necessary directives. Permittee will also emphasize to the participants the safe handling of gasoline to minimize the potential for spills in all fueling areas (see stipulation #33). Adequate size and capacity fire extinguishers will be located at the starting line and one at each entrance.
and exit to the pit areas (AMA District 36 rules – 7.8 & 7.81.). In addition, shovels and water will also be available. A fire extinguisher will also be at the starting line location and fueling areas (AMA District 36 rules – 7.8).

5. The permittee shall make every effort to prevent, report, control, and suppress any fire in the operating area and will be held responsible for suppression and cost of fire caused on natural resource land through negligence of event participants.

6. The permittee will designate one person as the event director who will be the sole communication link between the permittee and the BLM representative on site. The event director will remain in contact with the BLM representative at all times during the event.

7. The permittee will have an ambulance on call if needed, and notify the local Sheriff’s and fire departments including California Department of Forestry and Fire Protection (CDF) in advance of the event.

8. The permittee will provide at least 8 portable toilets and adequate garbage receptacle(s) will be placed at the staging area, and all trash on the course and the staging area will be removed immediately after the race. The portable restrooms need to be pumped at least once on Saturday, and more frequently if needed.

9. The permittee will provide a list of event staff, their cell phone numbers, their locations and their responsibilities for the event.

10. The event will be allowed only if soil moisture levels are not so high that undue trail damage will occur. The soil condition will be examined closely during the week prior to the event. Variables affecting the decision include intensity of rainfall, length of dry period prior to the event, temperature, wind, and weather forecasts. In the event that moderate rains occur on the day of the event mitigation measure will be carried out by the permittee at the direction of the BLM within 30 days following the event. The event may be cancelled by the BLM representative for reasons of soil moisture and resulting trail impacts at any time.

11. Only routes specifically approved in the permittee’s operating plan may be utilized.

12. Permittee will be familiar and comply with State of California OHV laws. All trips and trip participants must follow state regulations and manufacturer’s recommendations regarding operations.

13. Permittee must be familiar and comply with BLM’s OHV designations whether posted on the ground or not.

14. The permittee shall be responsible for clean-up and remediation in the event of accident or mechanical failure resulting in the spillage of fuels, lubricants, coolants, hydraulic fluids, or other petroleum-based or synthetic organic compounds (see stipulation #33).
15. Permittee and its vendors are required to have the appropriate business licenses.

**Affected Environment**

**Impacts to Supplemental Authorities:**
The following are not affected by this action:
Threatened or endangered species, Hazardous & Solid Wastes, Invasive species, Floodplains, Farm Lands, Environmental Justice, Native American Religious Concerns, Areas of Environmental Concern (ACEC), Wilderness, Wild and Scenic Rivers, Floodplains, Environmental Justice, Essential fish habitat, and Healthy Forest Initiative.

**Wetlands/Riparian Zones:**
Wetlands and riparian zones could be affected based on the number of creek/stream crossings and the number vehicles crossing the creeks/streams. There are approximately thirteen (13) creek crossings, six (6) have structures (bridges) and one (1) have hardened approaches minimizing sedimentation. Participants and spectators would not be spending much time during the event weekend in the wetlands/riparian areas with the exception of Scotts Creek. The Mendocino National Forest Upper Lake Ranger District has conducted some stream crossing monitoring during past Enduro events to determine how far the sediment plumes travel and whether they may effect anadromous fisheries downstream. Monitoring has indicated that the sediment settles within a short distance downstream of the creek crossing and therefore, does not affect fisheries. The Upper Lake Ranger District has similar soil types, climate, annual precipitation, vegetation (at lower elevations) and stream elevation profiles. Per the stipulations, the racecourse and staging areas will be evaluated after the races to determine if any rehabilitation would be required. Rehabilitation could include the installation of straw wattles, water bars, straw bales, filing ruts, etc. All rehabilitation work would be approved with installation oversight by BLM staff, and would mitigate any impacts associated with this event.

**Air Quality**

**Climate Change:**
Climate change is defined as: A large-scale change in the climate system that takes place over a few decades or less, persists (or is anticipated to persist) for at least a few decades, and causes substantial disruptions in human and natural systems.\(^1\)
Rising greenhouse gas (GHG) levels are likely contributing to global climate change. In the northern Coastal Range of California, climate change may result in warmer, drier conditions, and potentially more extreme weather events. The assessment of GHG emissions and climate change remains in its formative phase. The lack of scientific tools designed to predict climate change on regional or local scales limits the ability to quantify potential future impacts of climate change on resources within the Ukiah Field Office. In addition, while the proposed action and no action

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\(^1\) Abrupt Climate Change; Final Report Synthesis and Assessment Product 3.4; U.S. Climate Change Science Program And the Subcommittee on Global Change Research
alternatives may involve some future contribution of GHGs, these contributions would not have a noticeable or measurable effect, independently or cumulatively, on a phenomenon occurring at the global scale believed to be due to more than a century of human activities. Neither the proposed action nor the no action alternative would authorize an increase in activities that would increase GHG emissions.

**Regulated Air Pollutants**
The South Cow Mountain Recreation Area has a year round unrestricted Red Sticker Riding Season due to the California Air Resources Board’s designation for attainment/unclassified Ambient Air Quality Standards:

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<tr>
<th>COUNTY</th>
<th>REGULATED AIR POLLUTANTS</th>
<th>STATUS</th>
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<tbody>
<tr>
<td>Lake/Mendocino</td>
<td>Particulate Matter(PM) 2.5</td>
<td>Unclassified/Attainment</td>
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<tr>
<td>Lake/Mendocino</td>
<td>Carbon Monoxide (CO)</td>
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<td>Sulfur Dioxide (SO\textsubscript{2})</td>
<td>Unclassified</td>
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<tr>
<td>Lake/Mendocino</td>
<td>8 Hour Ozone (O\textsubscript{3})</td>
<td>Unclassified/Attainment</td>
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<td>Particulate Matter(PM) 10</td>
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<td>Sulfates</td>
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<td>Attainment</td>
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<tr>
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<td>Hydrogen Sulfide (H\textsubscript{2}S)</td>
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<tr>
<td>Mendocino</td>
<td>Hydrogen Sulfide (H\textsubscript{2}S)</td>
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</tr>
<tr>
<td>Lake</td>
<td>Visibility Reducing Particles</td>
<td>Attainment</td>
</tr>
<tr>
<td>Mendocino</td>
<td>Visibility Reducing Particles</td>
<td>Unclassified</td>
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**Fugitive Dust:**
Fugitive dust will be negligible as the number of race participants is likely to be equal to the number of riders on any given weekend during the busy OHV season.

**Water Quality:**
Water quality could be affected due to the number of creek/stream crossings and the number of vehicles crossing the creeks/streams. There are approximately thirteen (13) creek crossings of which six (6) have structures (bridges) and one (1) has hardened approaches to minimize sedimentation. Participants and spectators would not be spending much time during the event weekend in the creek/stream areas with the exception of Scotts Creek. The Mendocino National Forest Upper Lake Ranger District has conducted some stream crossing monitoring during past Enduro events to determine how far the sediment plumes travel and whether they may effect anadromous fisheries downstream. Monitoring has indicated that the sediment settles within a short distance downstream of the creek crossing and therefore, does not effect fisheries. The Upper Lake Ranger District has similar soil types, climate, annual precipitation, vegetation (at lower elevations) and stream elevation profiles.
Per the stipulations, the racecourse and staging areas will be evaluated after the races to determine if any rehabilitation would be required. Rehabilitation could include the installation of straw wattles, water bars, straw bales, filing ruts, etc. All rehabilitation work would be approved with installation oversight by BLM staff, and would mitigate any impacts associated with this event.

Native American Religious Concerns

Cultural Resources: South Cow Mountain falls within the lands used prehistorically by the northern Pomo and their predecessors (Barrett, 1909; Kroeber, 1925; McClendon and Oswalt, 1978). This mountainous area was utilized primarily for seasonal resource procurement and was traversed regularly. A significant aboriginal trail (Norris Trail) which connected the Ukiah and the Big (Clear Lake) Valleys winds its way across the mountain (DeGeorgy, 2005; Brown and Andrews, 1969; Keesling and French, 1975; Kniffen, 1939; Parker, 1975, 1976; Sample, 1950).

Minimal field inventories have been conducted (Keesling and French, 1975) for specific projects (Olson, 1979) and have revealed only four prehistoric sites in the over 2,000 acres surveyed to date. The staging area for these races has been inventoried and lies within a riverbed and previously disturbed area.

Based on the existing information, it is expected that prehistoric sites will be found on the ecotones of glades or valleys, along ridge tops, midslope and benches or flats especially in proximity to springs or seeps, and at the juncture or atop terraces of perennially flowing streams. Potential sites could include lithic scatters, groundstone artifacts and, perhaps, trail markers or trail segments.

Historically, the area was used for ranching/homesteading, and mining. No sites of historic significance have yet been recorded with the exception of the previously mentioned Norris Trail. Documentation of ranching or homesteading activities has been conducted in Eight-Mile Valley. Evidence of past mining is abundant in the Red Hill/Lost Valley area. All of the historic uses date to the nineteenth century. Past research has not focused on the historic values which have been severely impacted by recent recreational use and, to a lesser degree, recent mining.

No inventories of sociocultural concerns have been conducted to date. Only one reference to ethnographic use (Angelica root) within the area is known (Barrett, 1952). BLM contacts with living descendants of the Pomo have revealed sociocultural concerns about overall ecosystem health particularly with respect to riparian plant communities. The Pomo also consider California Bay Laurel to be of importance to living communities which is prevalent on Cow Mtn.

The Norris Trail is considered to be an eligible property for inclusion under the criteria of the National Register of Historic Places. However, all extant properties are considered potentially eligible for inclusion by the BLM. Current archaeological research in the South Cow Mountain region suggests a low probability for sensitive cultural resources. Existing OHV routes are not known to impact any cultural resources, and any areas of new disturbance, (i.e. trail reroutes, new trail) will be inventoried prior to construction activities. In addition, consultation with
relevant public groups including Native American coordination will be initiated in the event that there are areas of new disturbance.

**Impacts to Other Resources:**

**Soils:** Affected. Due to project size, duration of construction, and identified mitigation measures, impacts are expected to be short-term. The number of race participants is likely to be equal to the number of riders on any given weekend during the busy OHV season. The numbers of spectators, participants and associated vehicles could cause incremental damage to soils, the paved county road, vegetation, and water quality if the event continues to be staged in Scotts Creek.

Per the stipulations, the racecourse and staging areas will be evaluated after the races to determine if any rehabilitation would be required. Rehabilitation could include the installation of straw wattles, water bars, straw bales, filing ruts, etc. All rehabilitation work would be approved with installation oversight by BLM staff, and would mitigate any impacts associated with this event.

**Health/Safety/Law Enforcement:** Additional BLM law enforcement will be present for the events and associated activities planned for April 17-19, 2009. Local ambulance, sheriff’s departments and fire departments including California Department of Forestry and Fire Protection (Cal Fire) have been notified of the event in case of emergency needs.

**Recreation:** Affected. Due to the closure of the area to the general public, displaced recreationists will be directed to other locations (US Forest Service – Upper Lake for OHV use.) If this event or others that require the closure of the management unit continues, displaced recreationist may get discouraged and not utilize the area when open for general use.

**Social/Economic:** The influx of visitors will potentially increase sales and tax revenue to the businesses of Lake County.

**Visual Resource:** The area is designated Class III. The hundreds of people and vehicles will detract from the natural setting of the area for the duration of event activities.

**Vegetation:** Potentially affected. Due to the concentration of people in the Scotts Creek area, it is possible that some vegetation damage will occur around the staging area. Some of the proposed trails would need to be brushed prior to the event. (See Wildlife, Terrestrial for a description of Vegetation Types)

**Wildlife, Terrestrial:**

**Wildlife Habitat:** South Cow Mountain includes eight wildlife habitat types found within the area. The following list identifies the habitats and the relative proportion contained in the project area:

- Chamise chaparral: 40 percent
Mixed chaparral: 25 percent
Oak woodland: 12 percent
Knobcone pine forest: 7 percent
Mixed evergreen forest: 5 percent
Serpentine chaparral: 5 percent
Oak savanna: 3 percent
Riparian and glade: 3 percent

Riparian and glade areas are habitat types of particular interest since they support the greatest diversity of wildlife species, and are most susceptible to OHV impacts. Additionally, riparian and glade habitats, together with serpentine chaparral are most likely to contain sensitive plant species.

Benmore, Willow, and Panther creeks contain suitable habitat for rainbow trout, foothill yellow-legged frog, and the southwestern pond turtle. Warm pools and clear water in the spring provide habitat for frog breeding and egg lying. Those same pools and streamside vegetation shade the water in the summer months, producing suitable habitat for the trout and western pond turtles. Most of the main stream crossings contain either a culvert, turf block or bridging.

Lost Valley (ACEC), Eight-mile Glade (private), Four-mile Glade, and Rickabaugh Glade (private) are the relatively large meadow type habitats on South Cow Mountain. The glades are either closed to OHV use, or the trails are routed around the glade perimeter. The majority of the trail system is constructed in chamise chaparral and mixed chaparral habitat types, which account for 2/3s of the entire project area.

Potentially affected. During the activities associated with the event, wildlife may leave the area for a short-term.

**Wildlife, Aquatic:** Major portions of Scotts Creek are intermittent and dry in the summer including the staging area and do not support aquatic or emergent vegetation. Scotts Creek water levels are minimal (usually less than 3-4 feet deep at the deepest segment) this time of year (April).

**Access:** Affected. The area will be closed to the general public for 3-4 days for course set-up, the events, and course clean-up. The public will be notified of the event to allow time to modify any plans to the area. Displaced public will also be directed to alternate OHV recreational locations such as Mendocino National Forest and Knoxville Recreation Area (managed by BLM).

**Monitoring and Compliance:**
1. **Roles:**
   - Project lead – Lawrence Ames, Park Ranger
   - Law Enforcement – Walt Gabler, Staff LEO
   - Multi-Resource Staff – Specialists
2. Responsibilities:
   Project lead – Responsible for issuing the special recreation permit (SRP) and following up on SRP requirements.
   Law Enforcement – Pre-event, event, and post event monitoring assure terms and conditions of the Special Recreation Permit are being adhered to and resources are not incurring damage.
   Multiresource Staff – Assistance with event monitoring and compliance checks.

3. Method:
   Physical site inspections.

4. Reporting:
   Written reports of findings or citations written should be submitted to the project lead and placed in the applicants SRP packet. A post use report will be submitted by the permittee once the applicants permit has expired.

**Alternative B – No Action**
Deny authorization for Special Recreation Permit for these events.

There would be no impacts to the supplemental authorities and/or other resources if the permit were not authorized.

**Mitigation Measures:**
Anticipated impacts have been minimized by incorporating mitigations into the Special Recreation Permit stipulations (see appendix C).
I. Cumulative Effects:
The cumulative impacts of the current proposed action are unchanged from those analyzed in the existing NEPA document(s). A post-event evaluation will be conducted to analyze the cumulative impacts of the event, and will be used in the analysis of subsequent permit applications and the development of mitigation measures and stipulations.

II. Alternatives Considered, but Dismissed:
The only other OHV area managed by the Ukiah Field Office is Knoxville. It does not have the miles of trails, an open “staging” area, and is remote in terms of access to the area. Additionally, Knoxville has many more inholders and access points which would make it more difficult to close the area for safety.

III. Summary of Alternatives:

Alternative 1 – Proposed Action
Issue Special Recreation Permit allowing use of all trail segments as approved by BLM.

Alternative 2 – No Action

VI. CONSULTATION AND COORDINATION:

Persons, Groups, and Agencies Consulted:
No consultations were deemed necessary.

Summary of Public Participation:
During preparation of the EA, the public was notified of the proposed action by posting on the Ukiah Field Office Internet Homepage on March 4, 2006.
Project Lead: Lawrence Ames, Park Ranger

BLM List of Preparers:

<table>
<thead>
<tr>
<th>Name</th>
<th>Critical Elements/Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawrence Ames</td>
<td>Recreation and Wilderness</td>
</tr>
<tr>
<td>Walt Gabler</td>
<td>Law Enforcement, Public Health/Safety</td>
</tr>
<tr>
<td>Frank Arriaza</td>
<td>Air Quality, Water Quality, Wetlands/Riparian, &amp; Soils</td>
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<td>Christopher Lloyd</td>
<td>Cultural and Native American Religious Concerns</td>
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<tr>
<td>Jonna Hildenbrand</td>
<td>Environmental Justice</td>
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<tr>
<td>Alice Vigil</td>
<td>Realty</td>
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<tr>
<td>Gary Sharpe</td>
<td>Hazardous &amp; Solid Waste</td>
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<td>Wildlife &amp; Botany, T &amp; E vegetation</td>
</tr>
<tr>
<td>Jonna Hildenbrand</td>
<td>Wild and Scenic Rivers and VRM</td>
</tr>
<tr>
<td>Noell Sturdevant</td>
<td>Geysers/Geology</td>
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</tr>
<tr>
<td>Jim Dawson</td>
<td>Fire/Fuels</td>
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<tr>
<td>Bill Dabbs</td>
<td>Engineering &amp; Operations</td>
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<td>Jonna Hildenbrand</td>
<td>Social/Economic</td>
</tr>
</tbody>
</table>

Reviewed by:

Project Lead Date

Environmental Coordinator Date

Supervisory Resource Management Specialist Date

APPENDICES:

APPENDIX A: - Map of Proposed Route – Sawmill Enduro
APPENDIX B: - Map of Proposed Route – Crosscut Family Enduro
APPENDIX C: - Permit & stipulations
APPENDIX D: - Map – NRCS Soil Survey & Map Unit Legend
APPENDIX E: - NRCS Soil Survey Data- Camp Areas, Off-Road Paths and Trails

Trails and
2009 Sawmill/Crosscut Motorcycle Enduros
LL-CAC-0500-09-0006

Sawmill/Crosscut Motorcycle Enduros

Name of person and/or organization:
North Bay Motorcycle Club
President: Dave Froman

Address (include zip code):
423 Garfield Park Ave
Santa Rosa CA. 95409

Telephone No. (include area code):
707-539-2337

Business: 707-529-3443

Residence: 707-539-2337

To use the following public lands (provide name, legal description and/or attach map): North Bay M/C

For the following purpose (provide full description of activity or event including number of anticipated participants and spectators):

Sawmill Enduro / Crosscut Family Enduro

200 Riders ea. Day

400 Riders Total

During the following times and dates (specify below):

<table>
<thead>
<tr>
<th>ARRIVAL</th>
<th>DEPARTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATE</td>
<td>TIME</td>
</tr>
<tr>
<td>(Mon, Day, Yr.)</td>
<td>AM</td>
</tr>
<tr>
<td>April 4 2009</td>
<td>9:00</td>
</tr>
</tbody>
</table>

Type of permit: Commercial Non-commercial Other OHV events with 50 or more vehicles Other (list type)

Certification of Information: I certify that the information given by me in this application is true, complete, and correct to the best of my knowledge and belief and is given in good faith. I acknowledge that I (we) am (are) required to comply with any conditions or stipulations that are required by the authorized officer when the permit is issued.

Signature of Authorized Official: ___________________________ (Date): 10/24/08

PERMITTEE MUST HAVE THIS PERMIT (OR LEGIBLE COPY) IN POSSESSION DURING USE IN PERMITTED AREAS.

17
GENERAL STIPULATIONS

1. This permit is issued for the period specified. It is revocable for any breach of conditions or at the discretion of the Bureau of Land Management, at any time upon notice. This permit is subject to valid adverse claims heretofore or hereafter acquired.

2. This permit is subject to all applicable provisions of the regulations (43 CFR Part 2930).

3. This permit is subject to the provisions of Executive Order No. 11246 of September 24, 1965, as amended, which sets forth the Equal Opportunity clauses. A copy of this order may be obtained from the BLM.

4. This permit may not be reassigned or transferred by permittee.

5. Permittee must pay a minimum of 80% of estimated user fees in advance of permit issuance. Adjustments to use fee charges will be based on actual use reported on the Post Use Report.

6. Permittee must observe all Federal, State, and local laws and regulations applicable to the premises; to erection or maintenance of signs or advertising displays including the regulations for the protection of game birds and animals, and must keep the premises in a neat, orderly manner, and sanitary condition.

7. Permittee must take all reasonable precautions to prevent and suppress forest, brush, and grass fires, and to prevent polluting of waters on or in vicinity of the public lands.

8. Permittee must not enclose roads or trails commonly in public use.

9. Permittee must pay the United States for any damage to its property resulting from this use.

10. Permittee must notify the BLM of address change immediately.

11. Permittee must not cut any timber on the public lands without prior written permission from the BLM.

12. Permittee must indemnify, defend, and hold harmless the United States and/or its agencies and representatives against and from any and all demands, claims, or liabilities of every nature whatsoever, including, but not limited to, damages to property, injuries to or death of persons, arising directly or indirectly from, or in any way connected with the permittee's use and occupancy of the public lands described in this permit or with the event authorized under this permit.

13. Authorized representatives of the Department of the Interior, other Federal agencies, and game wardens must at all times, have the right to enter the premises on official business.
14. Permittee must abide by all special stipulations attached.

15. The permittee is responsible for informing all persons associated with this permit (staff and guests) that they will be subject to prosecution for knowingly disturbing Native American Indian shrines, historic and prehistoric archaeology sites, or for collecting artifacts of any kind, including historic items and/or arrowheads from Federal lands pursuant to the 1906 American Antiquities Act (P.L. 59-209; 34 Stat. 225; 16 U.S.C. 432, 433), the Archaeological Resources Protection Act of 1979 (P.L. 96-95; 93 Stat. 721; 16 U.S.C. 470ee as amended), and/or other federal laws and regulations.

16. Permittee must leave in place any hidden cultural values uncovered through authorized operations. If subsurface cultural resources are unearthed during operations, activity in the vicinity of the cultural resource will cease and a BLM representative notified immediately. Pursuant to 43 C.F.R. 10.4 the holder of this authorization must notify the authorized officer, by telephone, with written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, the permittee must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the authorized officer. The holder might be responsible for the cost of evaluation and any decision as to proper mitigation measures that are made by the authorized officer (BLM).

17. The permittee shall comply with all federal, state, and local laws; ordinances; regulations; orders; postings; or written requirements applicable to the area or operations covered by the SRP. The permittee shall ensure that all persons operating under the authorization have obtained all required Federal, State, and local licenses or registrations. The permittee shall make every reasonable effort to ensure compliance with these requirements by all agents of the permittee and by all clients, customers, participants, or spectators under the permittee’s supervision.

18. An SRP authorizes special uses of the public lands and related waters and, should circumstances warrant, the permit may be modified by the BLM at any time, including modification of the amount of use. The authorized officer may suspend or terminate an SRP if necessary to protect public resources, health, safety, the environment, or because of non-compliance with permit stipulations. Actions by the BLM to suspend or terminate an SRP are appealable.

19. No value shall be assigned to or claimed for the permit, or for the occupancy or use of Federal lands or related waters granted thereupon. The permit privileges are not to be considered property on which the permittee shall be entitled to earn or receive any return, income, price, or compensation. The use of a permit as collateral is not recognized by the BLM.

20. Unless expressly stated, the SRP does not create an exclusive right of use of an area by the permittee. The permittee shall not interfere with other valid uses of the federal land by other users. The United States reserves the right to use any part of the area for any purpose.
21. The permittee or permittee’s representative may not assign, contract, or sublease any portion of the permit authorization or interest therein, directly or indirectly, voluntarily or involuntarily. However, contracting of equipment or services may be approved by the authorized officer in advance, if necessary to supplement a permittee’s operations. Such contracting should not constitute more than half the required equipment or services for any one trip and the permittee must retain operational control of the permitted activity. If equipment or services are contracted, the permittee shall continue to be responsible for compliance with all stipulations and conditions of the permit.

22. All advertising and representations made to the public and the authorized officer must be accurate. Although the addresses and telephone numbers of the BLM may be included in advertising materials, official agency symbols may not be used. The permittee shall not use advertising that attempts to portray or represent the activities as being conducted by the BLM. The permittee may not portray or represent the permit fee as a special federal user’s tax. The permittee must furnish the authorized officer with any current brochure and price list if requested by the authorized officer.

23. The permittee must assume responsibility for inspecting the permitted area for any existing or new hazardous conditions, e.g., trail and route conditions, land slides, avalanches, rocks, changing water or weather conditions, falling limbs or trees, submerged objects, hazardous wildlife, or other hazards that present risks for which the permittee assumes responsibility.

24. In the event of default on any mortgage or other indebtedness, such as bankruptcy, creditors shall not succeed to the operating rights or privileges of the permittee’s SRP.

25. The permittee cannot, unless specifically authorized, erect, construct, or place any building, structure, or other fixture on public lands. Upon leaving, the lands must be restored as nearly as possible to pre-existing conditions.

26. The permittee must present or display a copy of the SRP to an authorized officer’s representative, or law enforcement personnel upon request. If required, the permittee must display a copy of the permit or other identification tag on equipment used during the period of authorized use.

27. The authorized officer, or other duly authorized representative of the BLM, may examine any of the records or other documents related to the permit, the permittee or the permittee’s operator, employee, or agent for up to three years after expiration of the permit.
28. The permittee shall notify the authorized officer of any accident that occurs while involved in activities authorized by these permits which result in: death, personal injury requiring hospitalization or emergency evacuation, or in property damage greater than $2,500 (lesser amounts if established by State law). Reports should be submitted within 48 hours in the case of death or injury, or 10 days in accidents involving property damage.

SPECIFIC STIPULATIONS

1. The Authorized Officer will complete an evaluation of the racecourse immediately prior to and following the permitted event. Upon inspection, a determination will be made on which portions of the event area or racecourse, if any, need additional rehabilitation. The permittee may be required to grade, drag, disc or seed; soil and vegetation areas within the course or staging area that were significantly changed or impacted as a result of the event. Site-specific stipulations requiring rehabilitation of areas must be accomplished within 15 days following the event unless a shorter time frame is required for public safety. The permittee shall be responsible for all costs associated with rehabilitation required.

2. The permittee shall make every effort to prevent, report, control, and suppress any fire in the operating area and will be held accountable for suppression and cost of fire caused on natural resource land through negligence of event participants.

3. The permittee will take every reasonable precaution to protect significant natural resource values, cultural or historic objects, aesthetic values, and any improvement on the public lands involved. Any government-owned structures, property, land or resources harmed or damaged by the permittee, participants, or spectators associated with the permitted use shall be reconstructed, repaired, rehabilitated, and restored as may be required by BLM within 30 days after the event to the condition prior to such damage or destruction. Permittee further shall abate as soon as practicable any condition existing which may cause harm or damage to any person, structure, property, land, stream, or wildlife.

4. The permittee is responsible for litter clean-up and the removal and disposal of route markers. All route markers must be removed within 7 calendar days of the completion of the event.

5. The permittee will distribute written instructions and will hold a pre-event briefing at the site to inform participants of routes, regulations, safety procedures, and other necessary directives. Permittee will also emphasize to the participants the safe handling of gasoline to minimize the potential for spills in the pit areas (fueling areas). Adequate size and capacity fire extinguishers will be located at the starting line and one at each entrance and exit to the pit areas (AMA District 36 rules – 7.8 & 7.81). In addition, shovels and
water will also be available. A fire extinguisher will also be at the starting line location (AMA District 36 rules – 7.8).

6. The permittee will designate one person as the event director who will be the sole communication link between the permittee and the BLM representative on site. The event director will remain in contact with the BLM representative at all times during the event.

7. The permittee will have an ambulance on call if needed, and notify the local Sheriff’s and fire departments including California Department of Forestry and Fire Protection (CDF) in advance of the event.

8. The permittee will provide at least 8 portable toilets and adequate garbage receptacle(s) will be placed at the staging area, and all trash on the course and the staging area will be removed immediately after the race. The portable restrooms need to be pumped at least once on Saturday, and more frequently if needed.

9. The permittee will provide a list of event staff, their cell phone numbers, their locations and their responsibilities for the event.

10. The event will be allowed only if soil moisture levels are not so high that undue trail damage will occur. The soil condition will be examined closely during the week prior to the event. Variables affecting the decision include intensity of rainfall, length of dry period prior to the event, temperature, wind, and weather forecasts. In the event that moderate rains occur on the day of the event mitigation measure will be carried out by the permittee at the direction of the BLM within 30 days following the event. The event may be cancelled by the BLM representative for reasons of soil moisture and resulting trail impacts at any time.

11. Only routes specifically approved in the permittee’s operating plan may be utilized.

12. Permittee will be familiar and comply with State of California OHV laws. All trips and trip participants must follow state regulations and manufacturer’s recommendations regarding operations.

13. Permittee must be familiar and comply with BLM’s OHV designations whether posted on the ground or not.

14. The permittee shall be responsible for clean-up and remediation in the event of accident or mechanical failure resulting in the spillage of fuels, lubricants, coolants, hydraulic fluids, or other petroleum-based or synthetic organic compounds.

15. Permittee and its vendors are required to have the appropriate business licenses.
16. **Fuel and Fluids Management**

The permittee is required to inform all persons associated with the SRP directly or indirectly of this stipulation requirement:

ALL VEHICLES - A method of controlling and capturing fuel spilled during fueling must be placed under all dump cans and under each vehicle during fueling operations. Commercially available absorbent products are available but a piece of scrap carpet is acceptable as long as the carpet absorbs the fuels and doesn’t simply allow the fuels to run off or drain through.

ALL PITS WITH 50 OR MORE GALLONS OF FUEL - All pits that have 50 or more gallons of fuel available, whether in drums or dump cans, must provide for fuel containment. At a minimum this requires - 1) an impermeable membrane with raised edges capable of containing all fuels on site should the containment vessel fail and 2) absorbent materials (commercially produced spill pads, diapers) available to soak up spilled fuels. This does not apply to fuels located within fuel trucks or fuel drums not in use stored in trucks or trailers.

FLUIDS (oil, transmission, etc.) - During vehicle maintenance and repairs all fluids must be contained in spill proof containers. Drop cloths and absorbent pads shall be used under vehicles when changing fluids or repairing engines and transmissions where fluids may be released.

Known product suppliers that could be contacted for information (no requirement to use these companies, information only): Fuel containment New Pig Corporation 1-800-468-4647 Product suppliers Lab Safety Supply 1-800-356-0783

No vehicle shall be parked within 100 feet of an active waterway. Threats to water quality must be abated or prevented. This is based on California Water Code/Porter Cologne.

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2 “The Recreation Permit Administration Handbook”: H-2930-1.pdf; Appendix 4 SRP STIPULATIONS; Fuel and Fluids Management, #34
### Map Unit Legend

<table>
<thead>
<tr>
<th>Map Unit Symbol</th>
<th>Map Unit Name</th>
<th>Acres in AOI</th>
<th>Percent of AOI</th>
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</thead>
<tbody>
<tr>
<td>169</td>
<td>Maymen-Etsel-Snook Complex, 30 to 75 Percent Slopes</td>
<td>0.2</td>
<td>2.1%</td>
</tr>
<tr>
<td>177</td>
<td>Millsholm-Bressa Loams, 30 to 50 Percent Slopes</td>
<td>2.2</td>
<td>20.8%</td>
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<tr>
<td>229</td>
<td>Speaker-Sanhedrin-Maymen Association, 30 to 50 Percent Slopes</td>
<td>8.3</td>
<td>77.0%</td>
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<tr>
<td><strong>Totals for Area of Interest</strong></td>
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<td><strong>10.7</strong></td>
<td><strong>100.0%</strong></td>
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Parent Material Name

Parent Material Name—Summary by Map Unit—Lake County, California

<table>
<thead>
<tr>
<th>Map unit symbol</th>
<th>Map unit name</th>
<th>Rating</th>
<th>Acres in AOI</th>
<th>Percent of AOI</th>
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</thead>
<tbody>
<tr>
<td>160</td>
<td>MAYMEN-ETSEL-SNOOK COMPLEX, 30 TO 75 PERCENT SLOPES</td>
<td>residuum weathered from sandstone and shale</td>
<td>0.2</td>
<td>2.2%</td>
</tr>
<tr>
<td>177</td>
<td>MILLSHOLM-BRESSA LOAMS, 30 TO 50 PERCENT SLOPES</td>
<td>residuum weathered from sandstone and shale</td>
<td>2.3</td>
<td>23.6%</td>
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<tr>
<td>229</td>
<td>SPEAKER-SANHEDRIN-MAYMEN ASSOCIATION, 30 TO 50 PERCENT SLOPES</td>
<td>residuum weathered from sandstone and shale</td>
<td>7.3</td>
<td>74.2%</td>
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<tr>
<td><strong>Totals for Area of Interest</strong></td>
<td></td>
<td></td>
<td><strong>9.9</strong></td>
<td><strong>100.0%</strong></td>
</tr>
</tbody>
</table>

Description

Parent material name is a term for the general physical, chemical, and mineralogical composition of the unconsolidated material, mineral or organic, in which the soil forms. Mode of deposition and/or weathering may be implied by the name.

The soil surveyor uses parent material to develop a model used for soil mapping. Soil scientists and specialists in other disciplines use parent material to help interpret soil boundaries and project performance of the material below the soil. Many soil properties relate to parent material. Among these properties are proportions of sand, silt, and clay; chemical content; bulk density; structure; and the kinds and amounts of rock fragments. These properties affect interpretations and may be criteria used to separate soil series. Soil properties and landscape information may imply the kind of parent material.

For each soil in the database, one or more parent materials may be identified. One is marked as the representative or most commonly occurring. The representative parent material name is presented here.

Rating Options

Aggregation Method: Dominant Condition
Component Percent Cutoff: None Specified
Tie-break Rule: Lower
Camp Areas, Off-Road Motorcycle Trails, and Paths and Trails (CA)

The soils of the survey area are rated in this table according to limitations that affect their suitability for recreation. The ratings are both verbal and numerical. Rating class terms indicate to which the soils are limited by all of the soil features that affect the recreational uses. "No limitations" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Limitations" indicates that the soil has features that are favorable to unfavorable for the specified use. The table identifies only the top limitations for any given soil. The limitations listed can be overcome or minimized by special planning, design, or installation. Fair to poor performance and moderate to high maintenance can be expected, depending on the number of limitations and the severity of each limitation.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils that are subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The information in this table can be supplemented by other information, for example, interpretations for building site development, construction materials, sanitary facilities, and water management.

Camp areas require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas. The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.
Off-road motorcycle trails require little or no site preparation. They are not covered with surfacing material or vegetation. Considerable compaction of the soil material is likely. The ratings are based on the soil properties that influence erodibility, trafficability, dustiness, and the ease of revegetation. These properties are stoniness, slope, depth to a water table, ponding, flooding, and texture of the surface layer.

**Report—Camp Areas, Off-Road Motorcycle Trails, and Paths and Trails (CA)**

[Onsite investigation may be needed to validate the interpretations in this table and to confirm the identity of the soil on a given site. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The table shows only the top limitations for any given soil. The soil may have additional limitations.]

| Camp Areas, Off-Road Motorcycle Trails, and Paths and Trails (CA)— Lake County, California |
|---|---|---|---|---|
| Map symbol and soil name | Pct. of map unit | Camping areas (CA) | Paths and trails (CA) | Off-road motorcycle trails (CA) |
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 189—MAYMEN-ETSEL-SNOOK COMPLEX, 30 TO 75 PERCENT SLOPES | | | | |
| Maymen | 35 | Limitations | | Limitations | | Limitations | |
| | | Slopes > 15% | 1.00 | Slopes > 25% | 1.00 | Slopes > 40% | 1.00 |
| | | Bedrock depth < 20' | 1.00 | Dusty | 0.50 | Dusty | 0.50 |
| | | Dusty | 0.50 | | | | |
| | | Fragments (<3") 25-50% | 0.41 | | | | |
| Steel | 20 | Limitations | | Limitations | | Limitations | |
| | | Slopes > 15% | 1.00 | Slopes > 25% | 1.00 | Slopes > 40% | 1.00 |
| | | Bedrock depth < 20' | 1.00 | Dusty | 0.50 | Dusty | 0.50 |
| | | Dusty | 0.50 | | | | |
| | | Fragments (<3") 25-50% | 0.41 | | | | |
| SnooK | 20 | Limitations | | Limitations | | Limitations | |
| | | Slopes > 15% | 1.00 | Slopes > 25% | 1.00 | Slopes > 40% | 1.00 |
| | | Bedrock depth < 20' | 1.00 | Dusty | 0.50 | Dusty | 0.50 |
| | | Dusty | 0.50 | | | | |
### Camp Areas, Off-Road Motorcycle Trails, and Paths and Trails (CA)–Lake County, California

<table>
<thead>
<tr>
<th>Map symbol and soil name</th>
<th>Pct. of map unit</th>
<th>Camping areas (CA)</th>
<th>Paths and trails (CA)</th>
<th>Off-road motorcycle trails (CA)</th>
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<tbody>
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<td>Rating class and limiting features</td>
<td>Rating class and limiting features</td>
<td>Rating class and limiting features</td>
</tr>
<tr>
<td>177—MILLS HOLM BRESSA LOAMS, 30 TO 50 PERCENT SLOPES</td>
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<td>Limitations</td>
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<tr>
<td></td>
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<td>Slopes &gt; 15% 1.00</td>
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<tr>
<td></td>
<td></td>
<td>Bedrock depth &lt; 20&quot; 1.00</td>
<td>K-factor &gt; 35 and slopes &gt; 8% 1.00</td>
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<td>Dusty 0.50</td>
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<tr>
<td>229—SPEAKER SANHEDRIN MAYMEN ASSOCIATION, 30 TO 50 PERCENT SLOPES</td>
<td>30</td>
<td>Limitations</td>
<td>Limitations</td>
<td>Limitations</td>
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<tr>
<td></td>
<td></td>
<td>Slopes &gt; 15% 1.00</td>
<td>Slopes &gt; 25% 1.00</td>
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<td>Fragments (&lt;3&quot;) 25-50% 0.50</td>
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<tr>
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<td>Maymen</td>
<td>20</td>
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### Data Source Information

Soil Survey Area: Lake County, California
Survey Area Data: Version 6, Sep 20, 2008