

Project Summary: 1 page

The proposed Plumas Eureka Ski Bowl Nature Education Project (PESBNEP) is a development project that addresses the replacement of the inoperable surface lift as well as other support facilities improvements necessary to open and operate the Plumas Eureka Ski Bowl (PESB). This is a renovation of an existing outdoor recreational facility. The PESBNEB will provide a venue for interpretive nature education open to the public, which will broaden usage to previously un-served and underserved users, including disabled skiers. The grant will fund both the chair lift and support facilities as well as the sites for existing and new collections, interpretive educational displays, models, signage, demonstrations and reenactments. The project grantee is the Eastern Plumas Recreation District and the project is a joint venture with two local non-profits: Plumas Corporation (project manager) and Plumas Ski Club (operator), which has been advocating and providing for community skiing since 1952..

The new lift, upgraded facilities and improvements of the traveled way will allow disabled skiers to use this facility for the first time. Improvements will also create a new education and recreation opportunity for schools, recreational groups, families and individuals. The new chair lift will be constructed within the existing footprint (CEQA permitted) of the "Squaw" Poma Lift (named for Squaw Valley which sold the Poma lift to Plumas Ski Club after the 1960 Olympics).

Additional upgrades to the facility, as part of this grant application project will include: An over-the-snow transporter for disabled access; a snow groomer; a new maintenance building to house this needed equipment; a new water system, all Return on Investment –based power and energy systems (featuring biomass, solar ,ground based heat pumps, biodiesel and combined power generation) for various parts of the operations and underground electrical (three phase) power extension for the main ski lifts as well as interpretives for all.

Criterion 1 Need for Nature Education

A.1. The Plumas Eureka Ski Bowl Nature Education Project (PESBNEP) will meet the following criterion:

Combine the study of natural science with preservation, demonstration and education programs that serve diverse populations.

The renovation of the Plumas Eureka Ski Bowl (PESB) will provide an educational and recreational venue to meet the nature education needs of a diverse population in Plumas County and the Northern California Region. The PESBNEP will increase access (for young skiers, K-12 academic programs, local and regional colleges, disabled skier programs, individuals, and families community recreation programs) to environmental stewardship programs and interpretive displays, collections and demonstrations.

A.2. The natural resources that will be interpreted include: winter ecosystems of an Alpine environment with a focus on snow science and hydrology; vegetation and wildlife management in a State Park; and watershed management to sustain a winter recreation program which in turn sustains a community that is struggling economically.

A.3. This project addresses a gap in year round environmental education (facilitated through recreation opportunities) with a focus on winter access to interpretive displays, information, collections and programs for this unique environmental feature. This program compliments current nature education programs in the Plumas Unified School District which will now be expanded to include diverse populations and winter alpine climates and terrain.

Complimentary local school-based Nature Education Programs: *Teaching From the Land* is a stewardship and education program for teachers and students within the Upper Feather River Watershed. *Learning Landscapes* seeks to secure access to and establish an outdoor learning

area within a 10-minute walk of every school in the region. "*Attributes of Learning Landscapes*" include: *The Plumas to The Pacific*" sixth grade program responds to a growing disconnect of youth from the natural world. Even in rural areas young people have less familiarity, knowledge and understanding of the natural environment than ever before. Continuation of nature education interpretive programs ensures a strong stewardship relationship between our most vital resources, and future generations of California.

A.4. The Plumas Eureka Ski Bowl was an original site of organized downhill skiing in the 1860's and as such holds historic, cultural value. In the 1960's, the Plumas Eureka State Park hosted the local "learn to ski" program where many of the local residents learned to ski and now have children of their own for whom they would like to engender an appreciation for the sport as well as a sense of stewardship for our local resources. With this infused local patronage as well as that of visitors to Plumas County, there will be an increased ability to communicate the value of this natural resource and convey the sensitivity of the region.

A.5. The economic underpinnings of Plumas County are changing from agriculture, logging and forest management to more recreation and eco-travel. There are no other winter recreation venues in this region. The closest ski area is 60 miles away in the Lake Tahoe area and those facilities do not provide affordable experiential education opportunities for a diverse audience or foster environmental stewardship. Local disabled skiers have limited access to winter skiing and recreation because of price and availability of venues in proximity to PESB.

A.6. The lift that is proposed in this application will allow skiers to enjoy the recreation value of PESB. Signage on the lift towers and chair-backs as well as in the lodge will interpret the indigenous flora and fauna, the ecosystems and the hydro-resources. Demonstrations will include the annual historic re-enactment of the *World Championship Longboard Races*;

grooming and year round facility maintenance for academic programs of the regional colleges; snow science and avalanche classes and snow pack evaluation by natural resource agencies. Existing collections will be housed at PESB including historic photos and *Ski History Museum* collections.

Theme/Message

B.1. There exists significant evidence attesting to the need for the PESBNEP. There is wide support from multiple segments of the community, since the Plumas Ski Club formation in 1950, for a skiing and winter recreation facility. This was noted in the formation of the Plumas Eureka State Park in 1959 followed by inclusion of the PESB in 1970. The MOU formation in 2003 is further evidence of the commitment to addressing the need for a winter recreation venue. The PESB MOU group includes 16 public and private entities who have agreed to work on improvements for PESB as well as 22 Letters of Intent with more specific commitments. Because Plumas County is challenged by continued high unemployment (within the top five counties in the state in 2009) and lower incomes (nearby Quincy and Portola are less than 75 % of state levels of median household income), it has been a continuing financial challenge to capitalize winter facilities that provide affordable year round recreational opportunities; and provide sustainable environmental education to the diverse public entities and the generations to come.

B.2. While the PESB operations proved sustainable financially between the mid 1950s and 2000, the non-profit operations by Plumas Ski Club became financially unsustainable due to the age and obsolescence of the used equipment in the face of changing markets and equipment (e.g. snowboards in addition to skis). The Plumas Ski Club continues to "maintain" PESB by removing unused equipment and mitigating any negative environmental impact due to the aging

facilities. The optimal resolution is to enhance the facility and increase access of patrons to promote an appreciation for the cultural aspects of skiing; enhance environmental stewardship and contribute to economic development. Plumas County is embracing the trend toward low-impact recreation and eco-tourism and desperately needs paying customers for economic viability and the PESBNEP would enable the county to develop sustainable activities to support modest population and economic growth.

B.3 The PESBNEP will ensure minimal environmental impact and engage the site (and the overall project) in ways that mitigate the impacts of transportation, site disturbance and energy use. The plan utilizes the US Green Building Council's LEED Rating system as a framework with the goal to achieve a Gold Certification. This will be accomplished through the following LEED standards (not exhaustive list): (1) The Mitigated Negative Declaration shows facility reuse and no impact on endangered or other species of concern. (2) Public transit access will be provided through Plumas Transit and school age youth will have access through school buses or public transit. (3) The Vegetation Management Plan will be used to enhance appropriate open space and trails. (4) A bioswale will be constructed near the existing lodge and at the new groomer building. (5) The roof of the new groomer building will be designed to increase reflectance and/or emittance - The roof and landscape will be enhanced to reduce the solar heat island. (6) There will be a > 50% reduction in potable water use through switching to a well system from a permanently running spring-fed system.

1.C. Environmental Stewardship will be measured by tracking visits to the PESBNEP; student learning outcomes through the schools, website visitation, web and live surveys and focus group activities.

Criterion 2 Educational Opportunities

2.A.1. While most of the areas visitation occurs during the summer months, an increasing number of people are seeking recreation and eco-travel opportunities during winter and patronage to the PESB is on the increase. However, there remains a deficit of interpretive-based educational opportunities that provide access to winter venues. The goal of the PESBNEP is to educate visitors, engage users in the sensitivity of the natural resource indigenous to PESB and that engender the need for stewardship and natural resource management. Furthermore, the reinvigoration of the PESB will create jobs for the struggling economy of Plumas County as well as increase recreation-based travel through the region. Finally, PESB will provide needed facilities to disabled skiers. Skiing is a growing sport in addition to the other winter activities afforded by Plumas-Eureka Ski Bowl. There are few designated ski trails and unlimited outlying areas that can be explored by advanced "mountaineers". The majority of the runs at the PESB are beginning to intermediate in difficulty but the lower portion of the hill caters to first time skiers and learn-to-ski programs.

2.A.2. Johnsville, at the base of the PESB is bisected by Jamison Creek and located within the east-facing slopes of the northernmost Sierra Nevada mountain range. Within the upland forest visitors will experience montane, chaparral, mixed pine, mixed fir and red fir sections. Lacustine, meadow and riparian examples makeup the Stream Riparian habitat. Because of the geology in the specific location, hardrock gold mining occurred from the 1850's through the 1890's. As a result, numerous archeological sites and related historic mining structures are found in the immediate area accessible via cross country skiing and hiking. The park was purchased in order to preserve the rich mining history and natural resources, while providing recreational opportunities for a growing California population.

2.A.3, 4 & 5. The displays, collections, signage and exhibits will facilitate learning about the various aspects of this sensitive alpine region, cultural and historical aspects of this terrain. A combination of auditory, visual, tactile and kinesthetic displays will also support a diverse visiting public in making their own personal choices about where to view, what activities to engage in and how to interpret their interactions. Many of the activities are self guided, led by signage (in the Intorf Lodge, on the deck, in the parking area and on the hill), that explain the flora and fauna and indicate wildlife and flora viewing sites. Exhibits will provide multi-layered explanation of the cultural history which include artifacts and collections already made available by local collectors and historians. These are mostly tactile and kinesthetic. Multi-media will begin with web-based access via the Plumas Ski Club website and currently includes video and text, photos and maps. Tutorials will be implemented and designed to aid with classroom instruction and provide previews of the terrain. A web cam will be installed at the base of the lift or affixed to the lodge and streamed into the website. To be effective as teaching tools, exhibits will be intrinsically motivating at every step of interaction in order to sustain involvement by an audience who may view their visit primarily as a recreation activity. Therefore, the displays, activities and demonstrations will include a strong element of research and evaluation. The project will focus on these areas of cognition: physical interactivity, conceptual coherence, application, synthesis, and evaluation.

The local Recreation Districts in collaboration with the Plumas Unified School District have committed to the *Learn-To-Ski Program* which will teach youth the fundamentals of skiing, winter preparedness, fitness and appreciation for the alpine landscape through ski lessons that incorporate self-sufficiency, equipment and gear knowledge, winter survival, and California history specific to the local mining activities and the history of skiing. Portola and Quincy High

School and the Johnsville Junior Ski Team will be encouraged to return to PESB for training, races and nature education. Off the slope, there will be activities both in print and, with the use of teaching tools and models, focus on culture and history, science and nature. Using art, literature and hands-on activities and exercises will provide a multiple venues for activities such as interactive decision making and leadership exercises.

Mirroring the California State Parks activity model, the "For Schools" promotions will supply teachers with information (via the Plumas Ski and other partners' websites) about the PESBNEP concerning park field trips, supplies and materials for the classroom, downloadable teachers guides, and lesson plans relating park information aligned to the California Academic Content Standards. The "Resources and Tools" section is where resources are shared with other interpreters around the world. There will be training schedules, manuals, professional papers, interpretive newsletters, equipment reviews and other materials both online and physically present at the site.

In addition to these activities and displays, the existing Longboard Races held at PESB will incorporate student interns as volunteer docents as well as student generated displays exhibiting the history of skiing. The cultural events open to the public where participants actually race on handmade longboard skis in vintage clothing and use authentic wax to condition their skis. The races (held 3 times a year during the winter months) garner over 1,000 visitors to the PESB and will be one of the many stages for promoting the PESBNEP.

2.A.5. Local flora, fauna and geology collections are all currently in existence at Feather River College the State Park and County Museums as well as additional collections including antique equipment and longboard skis. Avalanche awareness, snow science, resort development and

design and ski business management classes (Sierra Nevada College and Feather River College) will be held at the PESBNEP.

2.A.6 The main challenge to the resource is extreme overuse or underuse. Overuse taxes the resources and creates a negative guest experience with long lines and poor service. Underuse results in the inability to sustain the ski operation. By incorporating the college programs as well as an internship program and volunteer program, individuals and groups will learn intrinsically, the risks of overuse and underuse. They also will learn the implications for the sustainability of the project as well as the potential impact of the human side of management. Students will learn first-hand the impact of equipment maintenance relative to managing shrubbery and topography that facilitates grooming; engineering and planning relative to hydrology and snow science and the necessity of maintaining snow conditions for optimal visitation. While students engage in these activities, volunteers come from all segments of the population and will also gain the same sense of management imperatives to sustain the project.

2.A.7. The history of the PESB is available through photos, new articles and actual individuals who will be involved in the PESBNEP. There is a plethora of media with which to display the past, present and future of the PESB as well as tactile exhibits.

2.A.8 The "How You Can Help" display is where visitors learn about becoming a volunteer at the PESBEP, cooperating associations and supporting organizations. Volunteers are essential and perform many of the functions at the ski hill. Cooperating associations, such as those entities that have LOIs with this project, will participate in raising funds that sustain the many interpretive and educational programs housed at the PESBNEP and work with the grantee marketing collaborative to support the mission of California State Parks.

2.B. Existing members of the grantee and partners include K-12 science teachers, a Feather River College Administrator and the Director of Plumas Corporation, the county's non-profit economic development entity. Plumas Corporation services include interagency CREM, the management of Plumas County Visitors Bureau, Plumas Fire Safe Council and the Feather River Coordinated Resource Management group. In 2001, the Feather River CRM established an Education Committee to further education efforts through the implementation of community and school-based education programs throughout the watershed.

Subsequent nature education programs include:

Funding Source /year	Amount
CA DWR/2004	110,000
Plumas Watershed Forum/2007	33,700
USDA Secure Schools Title II/2007	37,490
CA Sierra Nevada Conservancy/2009	99,544

Criterion 3 Visitor Outreach to Target Groups

3.A. Targeted populations for the PESBNEP include the Johnsville Junior Ski Team and the Learn to Ski program (supported by Central Plumas Parks and Recreation District). Feather River College (FRC) faculty will utilize the PESNEP for the study of Environmental Science and Avalanche Awareness as well as Hydrology and Biology. Both FRC and Sierra Nevada College students will provide student interns for Mountain Planning and Resort Management. The

PESB will host a disabled skier program in coordination Disabled Sports USA-Far West which has signed a Letter of Intent to support PESB.

3.B. An ongoing marketing co-op for PESBNEP includes the County Visitors Bureau, the Quincy and Eastern Plumas Chambers, the City of Portola, the Plumas Eureka State Park Association and the Graeagle Merchants Association. Outreach efforts will include continuing education focused on recreation and nature education that include senior citizens outings, wildlife viewing and tours. Local ski clubs and teams will wear sponsored PESB gear and compete regionally. The recreation departments will promote events and activities through their established channels including printed collateral and through mailings and club registration. The Plumas Ski Club will continue to host the World Championship Longboard Races which to date have been featured in the Olympics, covered by ESPN, Mammoth Ski History Museum, The Denver Post and Forbes Magazine. Both FRC and Sierra Nevada College (SNC) will be advertising the PESBNEP through promotion of the curriculum and recruiting and outreach channels including television, radio and print. The extensive list of LOI partners indicates levels of support these and other entities.

3.C. The PESBNEP is aligned with strong partners, skilled in marketing and promotion of interpretive nature education projects similar to this one. Program Manager at Plumas Corporation for the Feather River Coordinated Resource Management group received the prestigious 2010 National Wetlands Award for Conservation and Restoration at the National Wetlands Awards ceremony on May 19 in Washington, D.C. Chosen for his innovative techniques and willingness to go the extra mile for meadow and river restoration, the award recipient has designed and promoted more than 40 successful projects that have restored 48

miles of stream channels and riparian habitats. Feather River CRM has successfully restored 3,400 acres of meadow floodplains and wetlands most of which lie in the Upper Feather River watershed within the Sierra Nevada mountain range in northeastern California.

Criterion 4 Project Access

4.A. The PESBNEP will operate the PESB based on set fees and hours of operation to meet the outdoor recreation needs of Plumas and Sierra County residents and school districts.

However, visitors are invited to visit the PESBNEP free of charge Thursday through Tuesday 8:00 a.m. – 3:30 p.m.

The proposed PESB hours of operation are planned to be 8:00 am -3:30 PM- Thursday through Sunday during the winter ski season, primarily from December 1- March 31. The initial fee structure is designed meet operating costs but to be affordable to local residents, in contrast to continually escalating costs at nearby and representative Tahoe Area resorts (1 -1.5 hours drive in good weather).

	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Total
PESB	8 a.m.– 3:30 p.m.	8 a.m.– 3:30 p.m				8:00 a.m.– 3:30 p.m	8:00 a.m.– 3:30 p.m	30hours/week
PESBNEP	8:00 a.m.– 3:30 p.m.	8:00 a.m.– 3:30 p.m	10 a.m. – 3:00 p.m.		10 a.m. – 3:00 p.m.	8:00 a.m.– 3:30 p.m	8:00 a.m.– 3:30 p.m	40hours/week

4B. Skiing usually begins no earlier than 8:00 a.m. and the sun goes down around 4:00 p.m. during the winter. Temperatures drop after the sun sets, so the hours of operation are based on

optimum ski times as well as those most advantageous of natural light. Weekend hours are the most practical for recreation and week days are also available for school visits.

4.C Programs designed to help teachers will be delivered on-line and will include information delivered using multi-media including streamed video, photos, graphs and charts. Teacher tools include handouts, printed material maps and some on-line simulation. The webcam will be live at all times and delivered via streamed video. Programs will be delivered from the PESBNEP for all audiences including tours, skiing, exploration, self-guided tours and live interpretation.

4.D. The main road that leads to PESBNEP is maintained by the county. The terminal parking lot is cleared by the county as well, and there is parking for approximately 275 cars or 65 busses. There are 2 roads leading to the main PESBNEP area. One is a footpath and the other is an access road. The project includes funding a transport vehicle, outfitted for wheel chairs and is an ADA compliant transport. When not covered by snow, the path is accessible by mountain bikes and by foot. At this time, there is no scheduled public transit, though it will be provided by Plumas Transit Systems for regular winter usage.

Criterion 5 Sustainable Design

The collaborative agencies strive to ensure minimal environmental impact of the PESBNEP. The redevelopment plan of the project has, in part, utilized the US Green Building Council's LEED Rating system as a framework. From an initial assessment, partners believe the work can achieve a Gold Certification under the criteria and will engage the site (and the overall project) in ways that mitigate the impacts of transportation, site disturbance and energy use. LEED will be used in the planning and development of the project as follows:

Sustainable Sites

Site Selection- The Mitigated Negative Declaration (MND) shows that the existing footprint of the ski lift, lodge and restrooms will be reused. This project has no species impacts and also is a renovation of an existing facility, as opposed to a 'greenfield'..

Alternative Transportation- Public transit Access will be provided through Plumas Transit and school age youth will have access through school buses or public transit.

Bicycle storage/ changing rooms- Provided for summer uses.

Low Emitting Vehicles- Use blended biodiesel for on-site transporter/ groomer.

Parking Capacity for Fuel Efficient Vehicles- Spaces designated for Low E vehicles.

Protect or Restore Habitat-Limited Site Disturbance during construction. Vegetation will be restored in storage areas previously used for equipment and fuels at lodge.

Maximize Open Space- Approved Vegetation management plan for open space/ trails

Minimize Stormwater runoff volume and pollution- A bioswale to collect and treat stormwater built near the existing lodge and at the new groomer storage building.

Heat Island Effect- The roof of the new groomer building will be designed to increase reflectance and/or emittance. Roofs will be enhanced to reduce the solar heat island.

Light Pollution Reduction- Use minimal/directional lighting beyond building footprint.

Water Efficiency

Water Efficient Landscaping- Well system with > 50% reduction in potable water use versus a permanently running spring fed system. No developed water for landscaping..

Innovative Wastewater- Lessen sewage conveyance will be decreased through inflow/ infiltration upgrade to existing septage system. No burden on community systems.

Water Use Reduction- Reduce Use with the well supply system.

Energy and Atmosphere

Optimize Energy Performance- The new groomer building analyzed for ROI and will planned lighting, power and heating usage to exceed California Title 24 Standards with maximized use of natural light, insulation and thermal mass in design (as well as PV solar). Upgrade existing buildings (minimal light and heat needs) for this purpose. All equipment used in the facilities will receive an Energy Star Rating.

On Site Renewable Energy- Purchase agreement with PSREC to maximize green power purchases. Solar PV panels for the new groomer facility roof after ROI analyses

Enhanced Refrigerant Management- Reduce and track use of CFC/ Halons through installation of new refrigeration equipment.

Measurement and Verification- No fossil fuels are currently used for space heat or DHW at the lodge/bathrooms. Monitor usage of new flash DHW heaters at sinks.

Green Power- Green power will be purchased from PSREC, the energy provider. Solar PV, ground based heat pumps, biomass and other equipment installation will be financed through PSREC and used in the new groomer building after ROI analyses.

Materials and Resources

Building Reuse- Maintain/upgrade existing lodge, restrooms and other facilities.

Construction Waste Management. Recycle through source separation at the existing waste management provider. Use wood waste at the nearby biomass electric generator.

Materials Re-use. Focus on soliciting new user(s) for the existing "Squaw" lift/towers.

Recycled Content- Materials with post-consumer content for the new groomer bldg.

Regional Materials- Building Materials, particularly wood products, manufactured or sourced locally will be used where appropriate (SPI and Collins Pine Lumber mills).

Rapidly Renewable Materials-Use Materials such as bamboo, wool carpeting.

FSC Certified Wood- Use the nearby FSC Collins Pine mill where possible.

Indoor Environmental Quality

Increased Ventilation- Fresh air is provided in the existing lodge and restrooms and will also be provided in the new groomer building to drive pollutants from buildings.

Low VOC Materials- Construction Materials that don't off-gas VOCs will be specified.

Indoor Pollutant Control- Entry Grates for dust control are provided in the main lodge.

Controllability of Systems- Automatic Lighting and Thermal Comfort Controls.

Daylight/ Views- All possible interior spaces lit with view windows and outside daylight .

Innovation in Design

Bio-diesel to Run Operations- Generators and groomers to use (where appropriate), locally manufactured Biodiesel blends.

Educational Signage- Current educational signage focuses on the historic aspects of the ski hill. New signage will highlight the natural education, LEED and sustainability.

Innovative Shuttle Service From Surrounding Towns- Schedule Shuttle service (including biodiesel) during regular operation periods from surrounding towns.

5.A.3. Obstacles or limitations include the stringent environmental codes that pertain to the State Park location.

5.B. During the project, a video and photo documentary will be produced and made into a display for the PESBNEP. Included in the display, there will be explanations of the LEED standards, the environmental documents and the "story" of how the PESBNEP was erected.

Plumas Eureka Ski Bowl

Project Scope - Option #1, Full Funding

scope of work

- . Obtain the needed funding to complete the project.
- . Hire project manager and compile all needed architectural and/or engineering documents
- . Acquire any additional environmental and provisional permits that will be needed (Feasibility, CEQA and Mitigated Negative Declaration documents have already been obtained)
- . Compile and distribute Request for Price (RFP) bid requests for all parts of project to licensed contractors.
- . Acquire all needed permits and approvals from State and Local Government entities.
- . Begin construction using project management software or critical path project planning.
- . Several components of the project can be done simultaneously dependant upon engineering, architectural, and State and Local approvals.
- . Generally, infrastructure improvements such as water, power and bathroom upgrades should be completed first.
- . Cosmetic improvements can be completed later in the project as they are not critical to completion of other tasks.
- 0. The chairlift should be one of the last projects to complete, but will need to be started (engineering, manufacturing etc) very early in the process because of timelines required.
- 1. The maintenance facility and groomers can wait until later in the project, unless the maintenance building will be needed for storage of needed construction materials and equipment.
- 2. After construction has been completed on each phase of the project, apply for occupancy or use permits as required.
- 3. Refer to individual project plans and breakdowns for more detailed information.

responsibility

Eastern Plumas Recreation District and Plumas Ski Club will be the primary responsible entities. They will select an manufacturer, engineer, contractor and a project manager. In the customary manner of advertising, RFP announcements, bid requests, responses and certification for this type of construction project. Plumas Corporation will manage the public bidding process.

funding

The funding requirements to complete this project in this manner would probably only come from a "full funding" scenario such as a Prop. 84, Nature Education Facilities or similar grant.

note:

Timeline is based upon receiving full funding for entire project, cost estimates have been compiled from reliable sources but are subject to change when actual project design is finalized. This document is a snapshot of the proposed project, other documents contain a much more detailed project plan and are available upon request.

Criterion 7. Long Term Operation and Maintenance

The PESB operations proved sustainable financially between the mid 1950s and 2000. The non-profit operations by Plumas Ski Club became financially unsustainable due to the age and obsolescence of the used equipment in the face of changing markets and equipment (e.g. snowboards in addition to skis). The following budget for PESB Operations (going forward) is based upon PESB usage and days of operation generally mimicking the earlier 50 year experience (with limited growth). Its sustainability is primarily based upon the historic operations as well as the sustainability improvements discussed following the operations budget, developed towards attaining a LEED Gold Standard as part of the Plumas Eureka Ski Bowl Nature Education Project.

The project funding sources for continued operations are the general public and the targeted users, although fully 50 % of the projected operating costs will be based upon the usage agreements in the Letters of Intent from Johnsville Junior Ski Team (Central Plumas Recreation District), Feather River Community College, Sierra Nevada College and the Disabled Ski Association–Far West.

	2/25/10	Pro Forma Annual Expenses		
Visits	Historic 34 year avg		Utilization	Year 1 Year 2
Skier visits/ day	125			125 156
Yearly visits	4,000			6,000 7,500
Days of operation	32			48 48
Ticket price				\$30.00 \$30.00
Season pass price				\$450.00 \$450.00
Revenues		Rev/ skier visit**		
Tickets				\$180,000 \$225,000
Season pass				\$9,000 \$11,250
Lessons		\$3.06	50%	\$9,180 \$11,475
Food/ beverage		\$12	60%	\$43,200 \$53,914
Special use				\$3,500 \$4,000

Total income	\$244,880	\$305,639
Expenses		
Concessionaire agreement (3% of gross)	\$7,346	\$9,169
Wages	\$119,040	\$124,992
Employee benefits	\$29,760	\$31,248
Possess. Use Tax	\$2,000	\$2,040
Insurance	\$20,000	\$20,000
Office, phone, postage	\$4,000	\$4,500
Fees, dues, licenses	\$5,000	\$5,000
Marketing	\$14,340	\$21,675
Maintenance	\$3,000	\$4,000
Equipment maintenance	\$10,000	\$10,000
Ski slope maintenance	\$10,000	\$10,000
Fuel 2,000 gallons diesel @ \$4.50/gal	\$9,000	\$9,000
Electricity	\$10,000	\$10,000
Total expenses	243,046	261,624
Net income	\$1,834	\$44,015

Plumas Corporation, the proposed grant manager, as a registered member of the California Climate Registry since 2007, continually reviews methods to reduce energy consumption and will, during construction, adhere to that rigor.

The Plumas Ski Club and Eastern Plumas Recreation District also plan to ensure minimal environmental impact of the Plumas Eureka Ski Bowl (PESB) Nature Education project. The redevelopment plan of the PESB has, in part, utilized the United States Green Building Council's LEED Rating system as a framework. From an initial assessment, Plumas Ski Club, Eastern Plumas Recreation District and Plumas Corporation believe the work can achieve a Gold Certification and will engage the site (and the overall project) in ways that mitigate the impacts of transportation, site disturbance and energy use.

This will be accomplished through adherence to LEED in the planning and development of the project. See last attachment for full detail on the LEED workup. Areas include:

- Sustainable Sites
- Water Efficiency

- Materials and Resources
- Indoor Environmental Quality
- Innovation in Design

The PESB operations will be carried out in the winter by primarily a paid staff, all schooled in the educational components and the Nature Education focus of the facility.

PESB Paid Employees

Position	Hours	Salary/ hr	Total/ year	Notes
General Manager	1440	\$25	\$36,000	F/T for 9 months
Assistant Manager	480	\$20	\$9,600	F/T for season
Financial & Admin/office	480	\$15	\$7,200	F/T for season
Head Mechanic	480	\$25	\$12,000	F/T for season
Lift Supervisor	480	\$10	\$4,800	F/T for season
Lift Operators (2 per shift)	960	\$8	\$7,680	Assumes two operators per 4 hour shift; two shifts per day
Groomer Operator (2)	480	\$15	\$14,400	4 hrs/day for season
Head Ski Patrol/ Risk Manager	480	\$12	\$5,760	F/T for season
Hospitality Manager	480	\$15	\$7,200	F/T for season
Cook/ Server	480	\$10	\$4,800	F/T for season
Server	240	\$8	\$1,920	4 hrs/day for season
Guest Services Staff	240	\$8	\$1,920	4 hrs/ day for season
Ski Lesson Instructor	480	\$12	\$5,760	F/T for season
Total	6480		\$119,040	

Figure 3
Alternative 3
Replace Squaw Lift
with a Chairlift

LEGEND

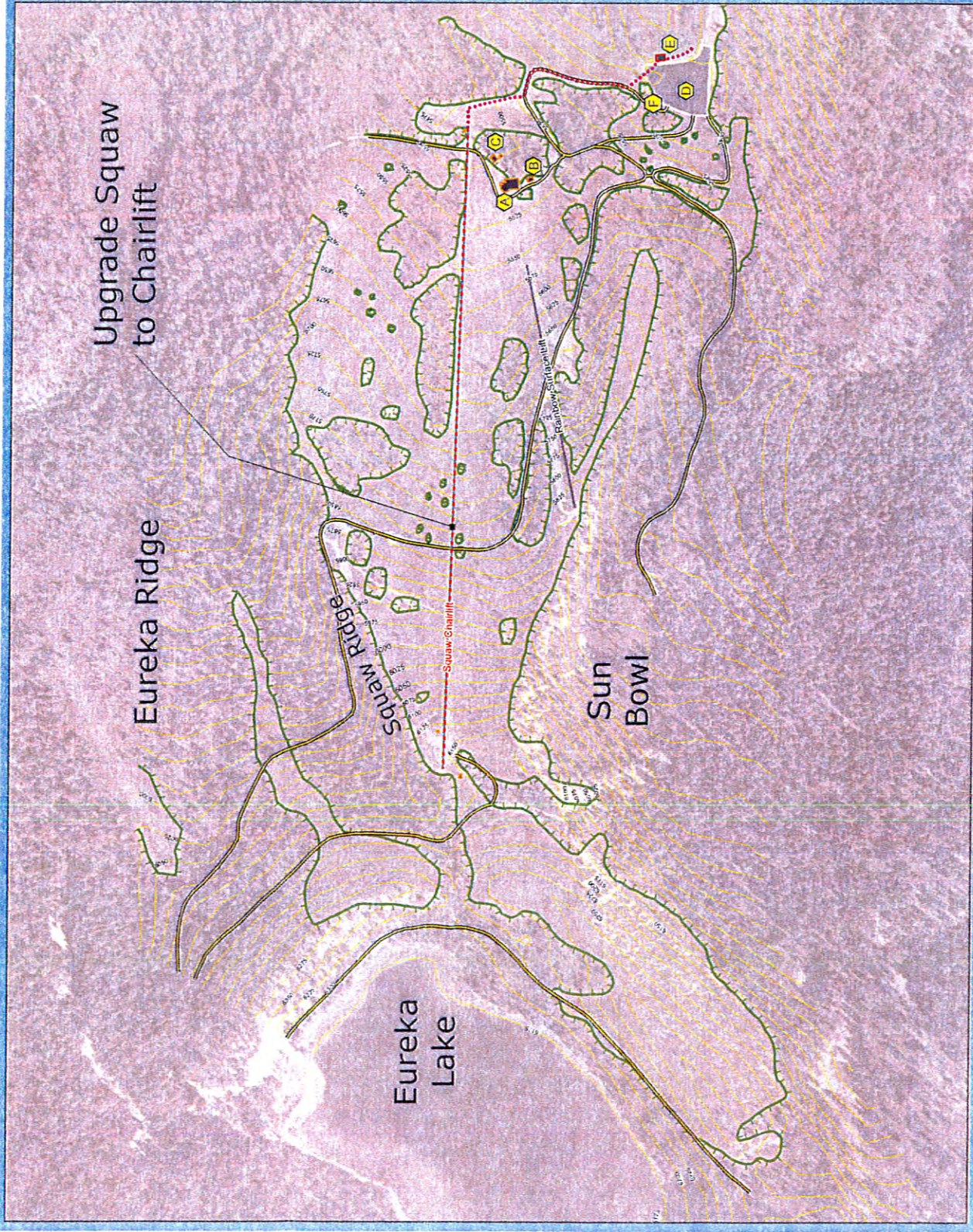
- Surface Lift - Existing
- Chairlift - Proposed
- Building - Existing
- Building - Proposed
- Road - Existing
- Utilities - Proposed (Power/Comm)
- Vegetation
- Parking Lot

FACILITIES

- Lodge
- Restroom
- Existing Maintenance/Generator
- Parking Lot
- Proposed Maintenance/Generator
- Alternate Maintenance/Generator



Scale: 1 inch equals 400 feet
Contour Interval: 25'
Print Date: 05.23.05
Created By: S. Drexler



Upgrade Squaw
to Chairlift

Eureka Ridge

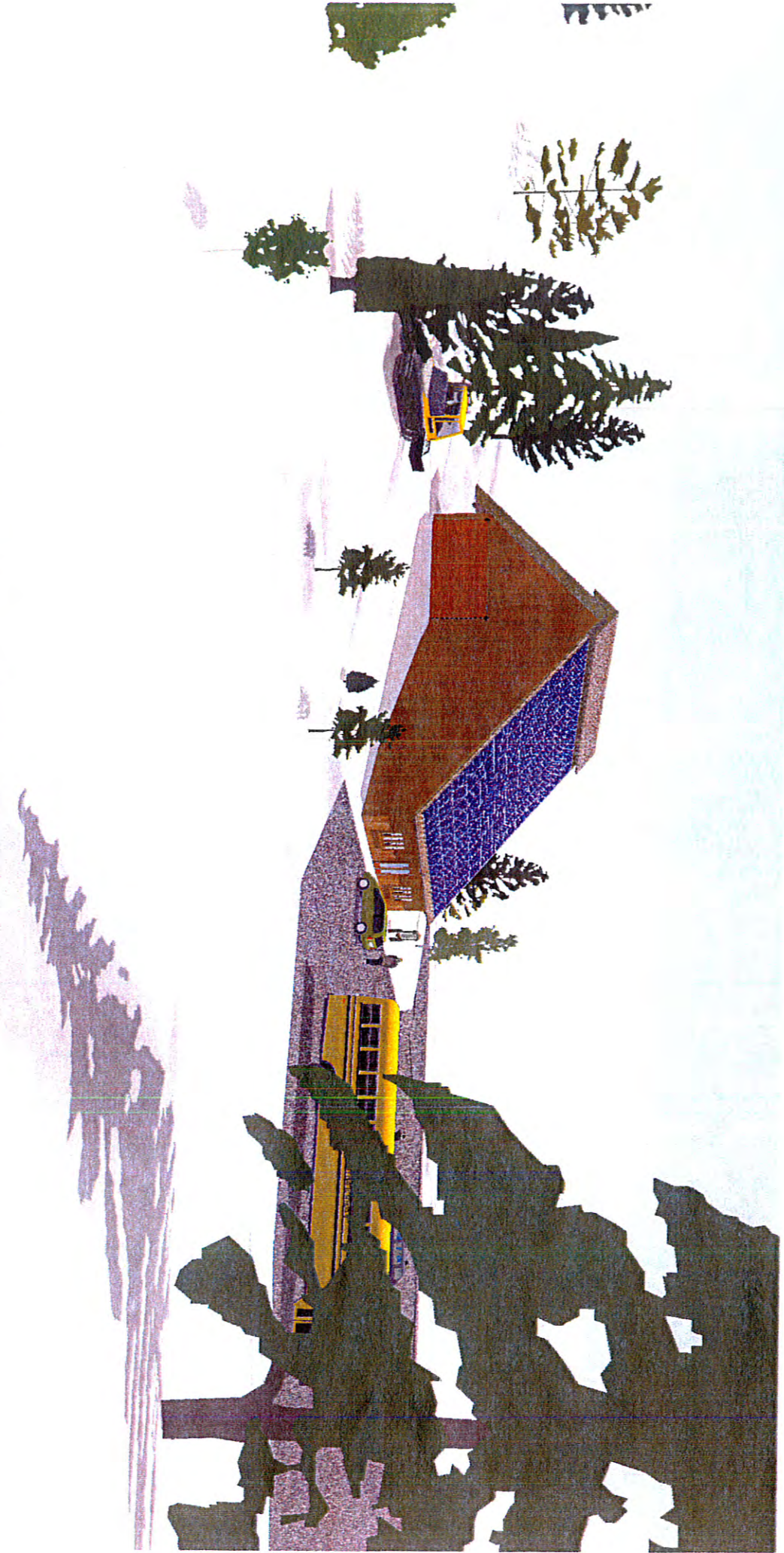
Squaw Ridge

Eureka
Lake

Sun
Bowl

Squaw Chairlift

Schematic Maintenance Building @ Site B

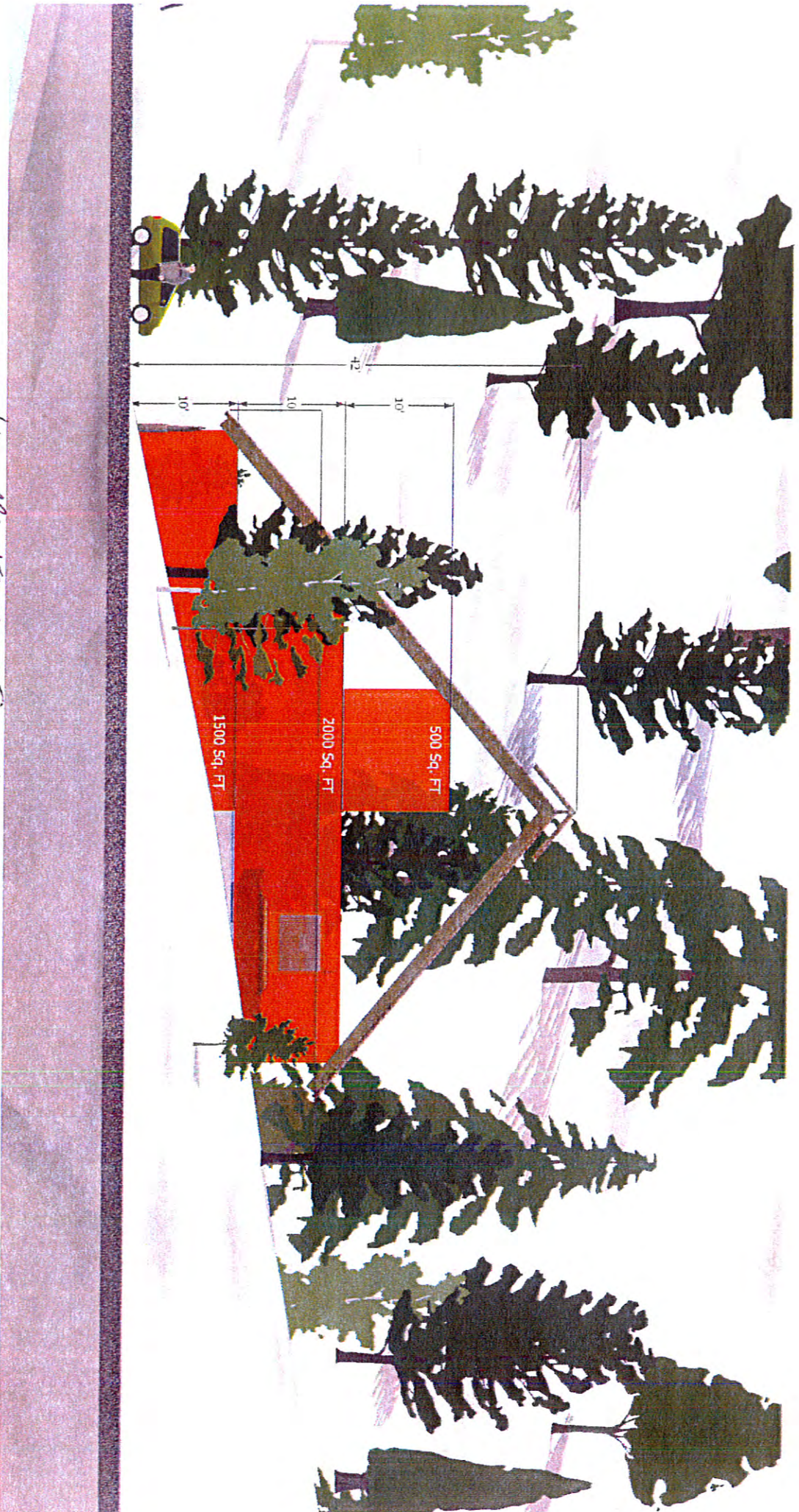


N

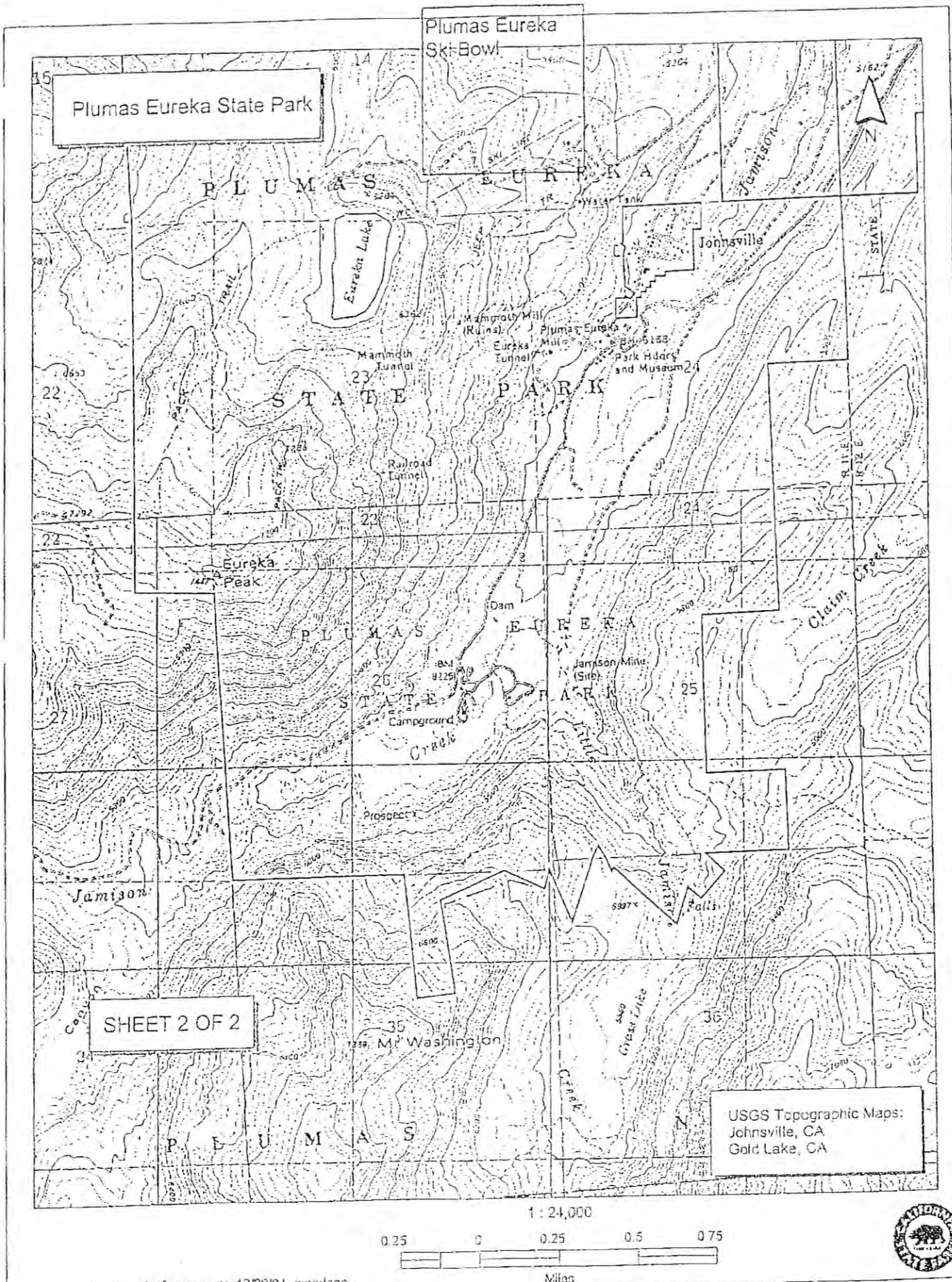


Schematic showing Room Functions.

N →



Schematic Maintenance @ Site E

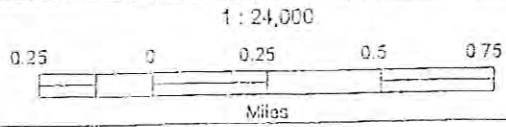


Plumas Eureka State Park

Plumas Eureka Ski-Bowl

SHEET 2 OF 2

USGS Topographic Maps:
Johnsville, CA
Gold Lake, CA

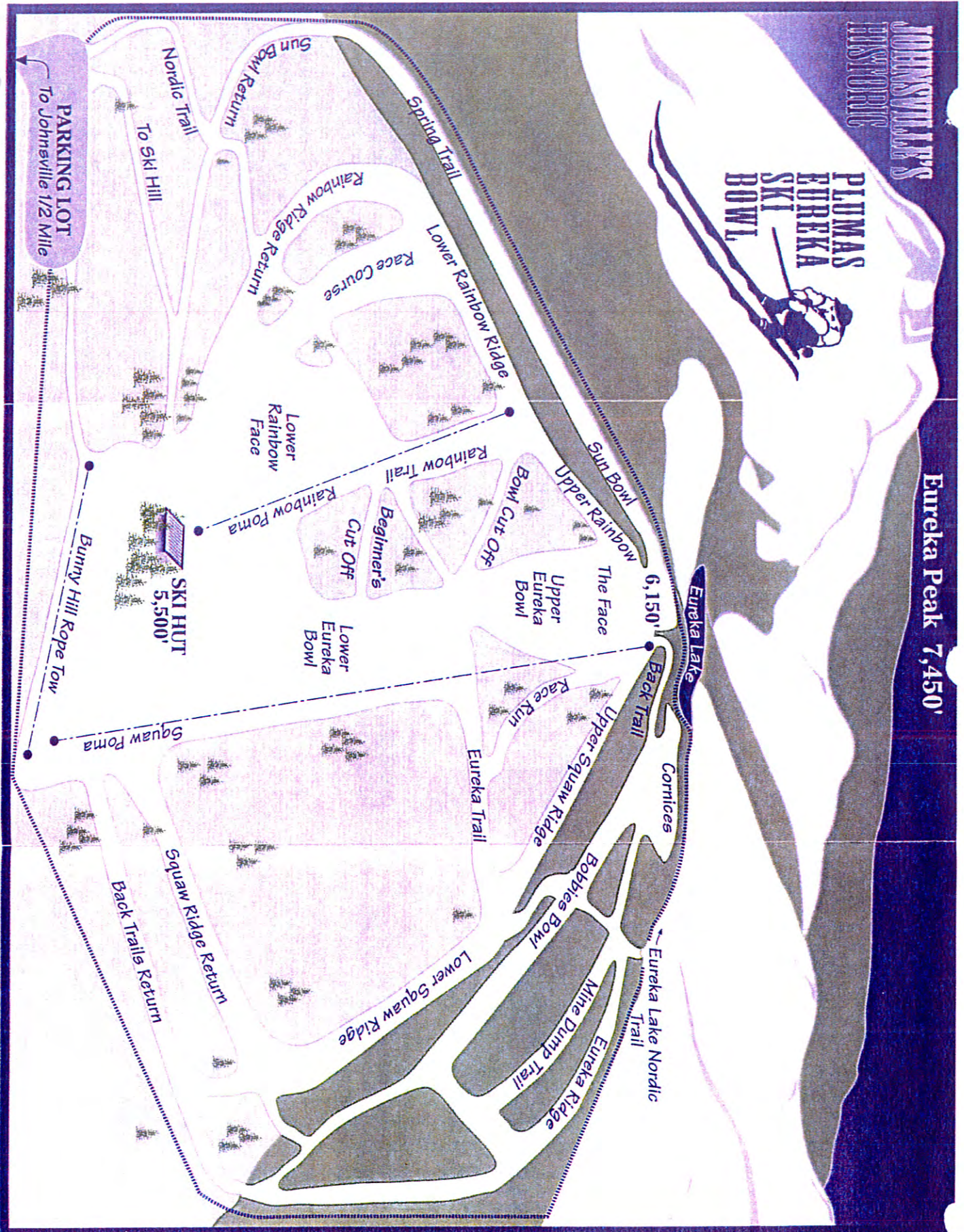


JOHNSVILLE'S
HISTORIC

PLUMAS
EUREKA
SKI
BOWL



Eureka Peak 7,450'



PARKING LOT
To Johnsville 1/2 Mile

To Ski Hill

SKI HUT
5,500'

Bunny Hill Rope Tow

6,150'

Eureka Lake

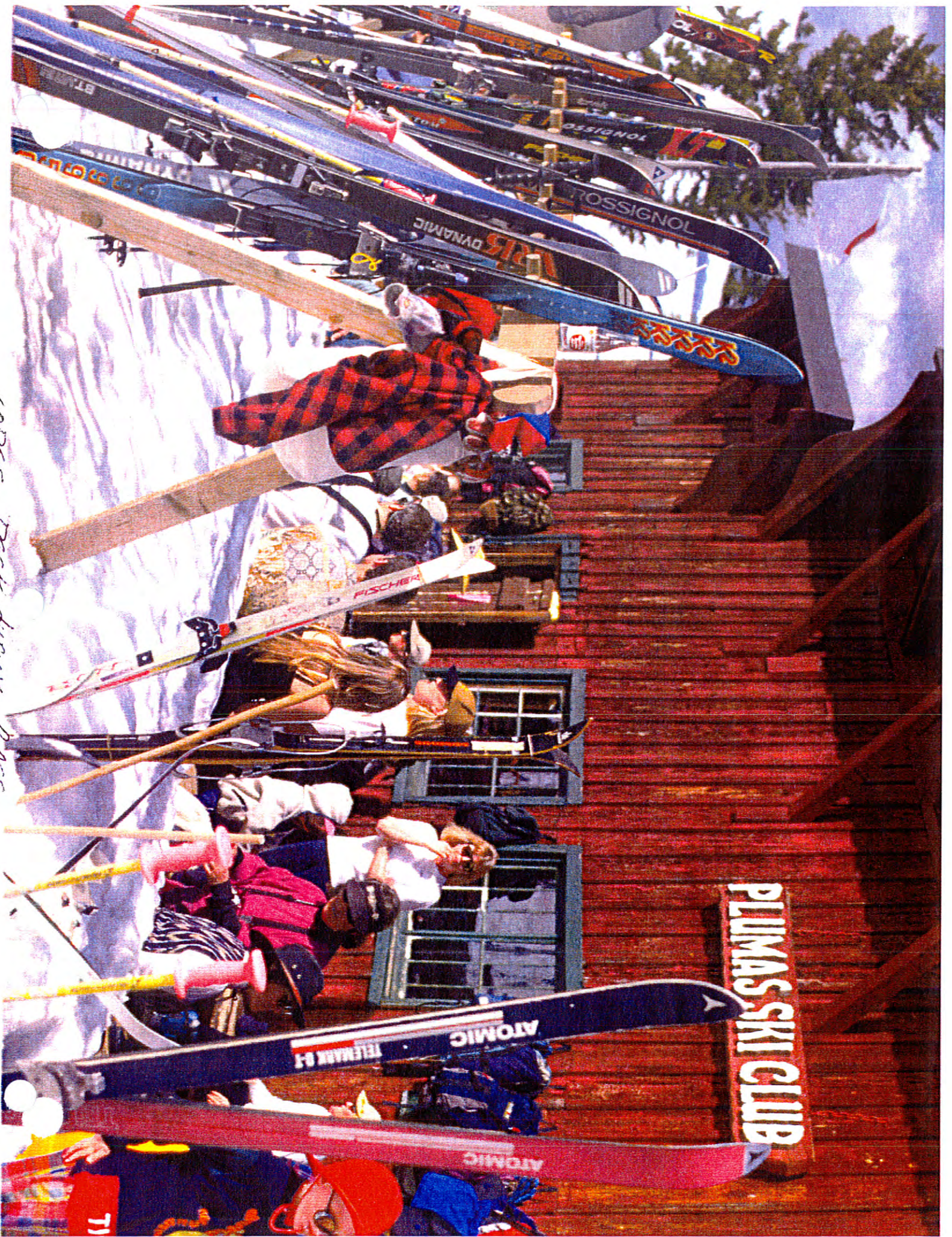
Back Trail

Corrises

Eureka Lake Nordic Trail

BAAC 1982

INRASE DECK KIMMIE PARS



PLUMAS SKI CLUB

LONGISSOL

DYNAMIC

FISCHER

TELEMARK 87

ATOMIC

JOHNSVILLE JR. SKI TEAM

STRENGTH BUILDERS
 TOWNE CARPET AND DRAPES
 CHICAGO TITLE COMPANY
 AMERICAN VALLEY HARDWARE
 LONGFELLOW BUILDING SUPPLY
 STOVER MOUNTAIN SKI AREA
 MURRAY & EDWARDS INSURANCE AGENCY
 CENTRAL PLUMAS RECREATION
 & PARKS DISTRICT
 KEN WILSON, SR. ATTORNEY
 QUINCY VETERINARY CLINIC
 CAMP PRATVILLE
 THE MURRAY COMPANY
 DAN SMITH CONSTRUCTION
 SUPERVISOR BILL DENNISON

SPONSORED BY
 QUINCY DRUG
 SUPERVISOR OLE OLSEN
 WESTER ENGINEERING
 MORNING THUNDER CAFE
 DAVID LUDINGTON
 HOUSTON CONSTRUCTION
 PLUMAS BANK
 HILDER VINEYARDS
 DR. CHRIS WARD
 QUINCY MINI STORAGE
 SIERRA PROMOTIONS
 DAVID ADRIAN ATTORNEY
 MARGIE & JOHN MURRAY
 ROBERT McILROY

R SUPPLY CO
 SAFERWAY
 PARBERS INSURANCE
 PYRAMID PRINTING
 SUPERVISOR B.J. PEARSON
 MT. HEST FARMS
 WESTERN NEVADA SUPPLY
 DR. SANMYER
 THE MORTON FAMILY
 FEATHER PUBLISHING
 CAREY CANDY COMPANY
 ROBERT ZERNICH
 GARY CLEMENT DVM
 DAVID & MARY ANN
 JIM, GLENN & GLENN

PLUMAS ENCLUB
 FEATHER RIVER COLLEGE
 SUPERVISOR JEN NELSON
 COLDWELL WANNER REALTY
 SUNDY MOUNTAIN FRESH
 PAPA MURPHY'S PIZZA
 NORRIS UNLIMITED
 DICK'S PLUMBING
 HOMEPROOF MOUNTAIN
 GRAEGGLE ASSOC.
 JANE T. MILDE
 STATE FARM INSURANCE
 HODPUSH BROS.
 SUPERVISOR
 MARGY & RAY



Ski Team members at support



PARKING LOT SITE E - GRAMMER