



[www.forestrychallenge.org](http://www.forestrychallenge.org)

**El Dorado Forestry Challenge**

**October 27 to 30, 2021**

**Community of the Great Commission**

# **2021 EL DORADO FORESTRY CHALLENGE**

## **SCHEDULE OF EVENTS**

### **Wednesday, October 27, 2021**

4:00 to 5:30 Registration  
5:30 to 6:30 Dinner  
7:00 to 8:15 Welcome and Focus Topic Question presented / Q&A  
8:30 to 9:45 Evening Social Time  
10:00 Report to Cabins

### **Thursday, October 28, 2021**

8:00 to 8:45 Breakfast  
8:55 to 9:00 Gather for Field Training  
9:05 to 12:00 Field Training  
12:00 to 1:00 Lunch  
1:00 to 1:15 Gather for Data Collection  
1:15 to 5:00 Data Collection  
5:30 to 6:30 Dinner  
7:00 to 10:30 Teams Prepare Presentations / Ask a Forester appointments  
10:45 Report to Cabins

### **Friday, October 29, 2021**

8:00 to 9:00 Breakfast  
9:00 to 9:25 Gather for Field Testing  
9:30 to 12:00 Field Testing  
12:00 to 1:00 Lunch  
1:00 to 1:30 Group/School Photos and Pacing Contest  
1:30 to 2:30 Field Test Review  
2:30 to 5:00 Free Time  
5:30 to 6:30 Dinner  
6:45 to 9:30 Teams Finish Preparing Presentations  
9:30 to 10:00 Evening Social Time  
10:00 Report to Cabins

### **Saturday, October 30, 2021**

8:00 to 9:00 Breakfast, Pack, Clean cabins  
8:15 to 9:00 Judges Orientation  
9:15 to 11:10 Teams Report to Holding Area or Give Presentations  
11:20 to 11:45 Judging Panel Feedback to Students  
11:45 to noon Awards  
Noon Lunch and Farewell

## 2021 El Dorado Forestry Challenge Participants:

<b>School</b>	<b>County</b>	<b>Advisor(s)</b>	<b>Team #'s</b>
El Dorado	El Dorado	Krista Potter	1, 2
Eleanor Roosevelt	Tulare	Jeff Alexander	3, 4
Folsom	Sacramento	Mary Johnston, Zach Kamine	5, 6, 7
Golden Sierra	El Dorado	Amara Smallwood	8, 9
Heritage Peak	Sacramento	Nancy Bean	10
Mira Loma	Sacramento	Colleen Kelly	11
Ponderosa	El Dorado	Angela Personeni, Bret Harnden	12, 13
South Tahoe	El Dorado	Kim Carr	16
Vista del Lago	Sacramento	Miranda Ayad	14, 15

<b>Housing Assignments</b>		
<b>Cabin and Gender</b>	<b>Schools and adults in cabin</b>	<b># People</b>
#31 – Girls	Mira Loma – Colleen Kelly	5
#32 – Girls	El Dorado, Ponderosa – Krista Potter, Angela Personeni	8
#33 – Boys	El Dorado, Ponderosa – Bret Harnden	9
#34 – Girls	Eleanor Roosevelt – Alba Castellanos, Bobbi Jo Burr	6
#35 – Boys	Eleanor Roosevelt – Jeff Alexander, Jose Castellanos	7
Camping	Golden Sierra – Amara Smallwood	8

**Claar House**  
**Bobbitt Hall, Nurse's Room**

**Diane and Staff**  
**First Aid – Dan, Chris**

**530-417-1960**

# **2021 Forestry Challenge Rules**

*Updates to the rules are italicized and underlined.*

## **I. Participant Eligibility**

1. Students enrolled in grades 9 through 12 are eligible to participate. Community college students and 8<sup>th</sup> graders may participate if the facility can accommodate them, as determined by the Forestry Challenge (FC) Coordinator.
2. Teams will consist of two to five students from the same school, homeschool, tribe, or scouting group. More than one team may enter from each school as space permits. However, there may be a need to restrict the number of students per school, depending on the facility's capacity.
3. An adult advisor must accompany each team. The advisor can be a teacher, staff member, or approved parent from that school. One advisor can supervise more than one team from the same school, as housing arrangements permit.
4. For schools bringing only one adult, an additional adult of the opposite gender must be available on standby to ensure proper overnight supervision. Schools will be notified the day after the registration deadline if additional adults are required to assure correct ratios.
5. Each participant must arrive with all applicable and signed Liability / Medical / Media Release Forms in order to participate. These forms must be turned in at registration or received prior to the event.
6. Only registered participants with signed forms will be allowed on site.
7. Chaperones and students will check in together unless prior arrangements are made with the FC Coordinator.
8. At least one team advisor must be on site with their students at all times and will be responsible to assure that team members display proper conduct during the event and at the host facility.
9. *All participants must comply with the FC COVID-19 policy.*

## **II. Participant Behavior**

1. Participants will report any illness or personal emergency to the Coordinator or designated staff.
2. If participants break or damage the property of the FC or the host site, they are responsible for reporting the damage and paying for its repair.
3. All students must attend and fully participate in all scheduled activities.
4. Although advisors must attend all activities to properly supervise students, they are not allowed to actively participate in field testing or focus topic presentation preparation.
5. Students must report to and stay in their assigned cabins or dormitories at the designated time at the end of each day. Facility housing will be described in advance, and if it does not meet the needs of one or more students, the advisor must ask for alternate arrangements in advance of the start of the event.
6. No students or chaperones are allowed to leave the host site without approval.
7. Tobacco, drugs, and alcohol are prohibited during all parts of the event.
8. Participants are expected to behave in a professional manner, consistent with behavior appropriate to the workplace. Harassment, bullying, and any form of discrimination is NOT appropriate workplace behavior. Any observance or reporting of such actions will be thoroughly investigated and disciplined. Disciplinary actions can include disqualification and/or dismissal from the event and host site.

### **III. Registration Fees and Deadlines**

1. Schools that pre-register by June 30, 2021, may receive a discount on the registration fees listed below. Schools that pre-register after June 30 will be expected to pay the registration fees listed below.
2. A completed registration form (available online) must be submitted 12 days before the start of the event.
3. Registration fee due dates and full amounts are as follows:
  - Shasta FC fees are \$120 per person, due September 29
  - Santa Cruz FC fees are \$215 per person, due October 13
  - El Dorado FC fees are \$215 per person, due October 27
  - San Bernardino FC fees are \$215 per person, due November 10
4. Registration fees are due upon arrival to the event and must be paid for each person attending, including teachers and adult chaperones. Fees for advisors' infants and small children may be modified on a case-by-case basis.
5. Teachers will be asked to use the online registration fee calculator as an indicator of attendance numbers for their school. This form can also be used as an invoice to initiate payment by their district.
6. Registration fee totals will be considered final the Friday before the event based on the registration fee calculator or subsequent updates provided to the FC Coordinator.
7. Student or chaperone substitutions of the same gender are allowed between the Friday prior and up to the start of the event.
8. There will be no refunds for students or chaperones who cancel after the Friday before the event, and registration fees for persons who do not attend are non-refundable.

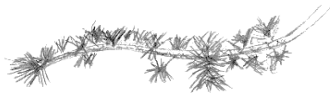
### **IV. Competition Components and Expectations**

1. The FC has two parts: a Field Test and a Presentation. The two parts will be scored separately. The Field Test will be worth 60% and the Presentation will be worth 40% of the total score.
2. The Field Test is completed as a team and is comprehensive in nature, with many questions using props and tools such as tree specimens and forestry equipment. One test key will be provided for each school after the testing period, to be returned by the end of the testing day. The FC Coordinator or designee will be available to answer questions.
3. Test questions will be developed using the FC Learning Objectives and reference materials linked to the Objectives as a guide but are not necessarily limited to those items. Knowledge of basic ecological concepts and information presented during the event may be tested as well.
4. The use of personal electronic devices such as cell phones is not allowed during field testing, Friday presentation prep time, and Saturday morning while in the waiting area. Devices will be confiscated if deemed necessary by authorized staff and volunteers.
5. Students will not be allowed to use their reference materials, including cellular devices, during the Field Test. All materials needed during the Field Test, including identification keys, reference materials, calculators, and equipment, will be provided at the testing stations.
6. Any written and electronic materials teams bring to the event and gather while at the event may be used during presentation prep time. Laptop computers will be used, and there will be equal access to wireless internet when available. Hotspot devices will be allowed as determined by the FC Coordinator.
7. Students will not be allowed to review presentation materials once the first presentation period begins and will be asked to gather in one area to wait until their presentation time begins.

8. Each team's Field Test and Presentation scores will be totaled, and overall place awards will be given accordingly. All participants will receive a certificate of participation.

## V. Other

1. Transportation to, from, and during an event will be the responsibility of each participating team unless transportation is provided during an event.
2. Students may attend more than one regular event during the fall season. If a team with one or more repeating students places in the top 5, that team will not displace a team that is competing for the first time that season.
3. Students and advisors will be asked to complete an evaluation form at the conclusion of the event.
4. Grievances must be submitted in writing to the FC Coordinator by the end of the review period immediately following the Field Test or the Presentation portion of the event. Grievances will be reviewed by the Coordinator and discussed with involved judges and/or volunteers. The Coordinator's decisions are final.
5. FC rules are subject to change by the Coordinator. Any changes will be explained in advance to all teams and advisors.
6. Host site/facility rules will be enforced in addition to FC Rules.
7. Any infraction of any of the FC Rules may result in disqualification and/or dismissal from the event and the host site.



*The Forestry Challenge is part of California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment – particularly in disadvantaged communities. The Cap-and-Trade program also creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and much more. At least 35 percent of these investments are located within and benefiting residents of disadvantaged communities, low-income communities, and low-income households across California. For more information, visit the California Climate Investments website at: [www.caclimateinvestments.ca.gov](http://www.caclimateinvestments.ca.gov).*



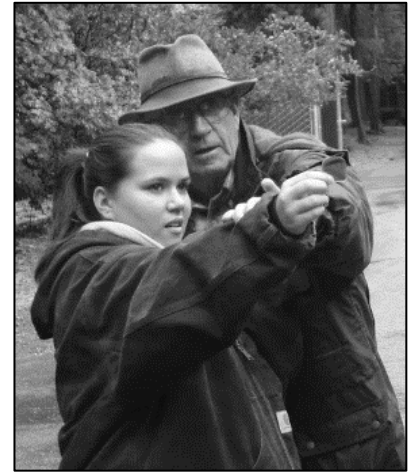
*This publication made possible through a grant from the USDA Forest Service.*

*In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age or disability. (Not all prohibited bases apply to all programs.)*

*To file a complaint of discrimination: write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.*

## The George Little Memorial Award for Volunteer Excellence

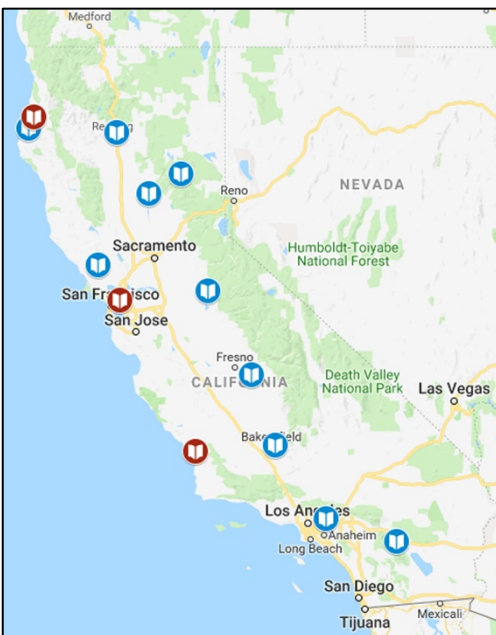
The George Little Memorial Award for Volunteer Excellence was established in 2011. George was born on May 10, 1939 and passed on June 19, 2011. He was a dedicated volunteer at the Forestry Challenge, assisting with field training and testing, even developing training materials. George served in the US Navy from 1962 to 1966 and worked in the family business at Union Planing Mill in Stockton until 2002. Union Planing Mill, founded in 1891, was a lumber, moulding, fixture, and cabinet shop. The business specialized in redwood moulding and custom work for clients including UC Berkeley North Gate and the William Randolph Hearst private estate in Wyntoon, Siskiyou County.



### Award Recipients:

- 2011 – Dennis Norgord, Website Manager (aka “Tech Angel”)
- 2012 – John Nicoles, Staff Forester Extraordinaire
- 2013 – David Van Lennep, Redwood Empire Forester
- 2014 – Katie Carlson, ANTHS grad and Forestry Challenge Alum
- 2015 – Mike Garcia, Fruit Growers Supply Co., Retired
- 2016 – Nikki Visser, Event cook for El Dorado FC
- 2017 – Ernie Lory, Grizzly Flats Fire Safe Council
- 2018 – Len Lindstrand, W.M. Beaty & Associates Forester, Retired
- 2019 – Dan Cullinane, High School Teacher, Retired
- 2020 – Mike De Lasaux, Retired Forester, Cooperative Extension

## Forestry Challenge Initiative to Promote College and Career Readiness



Hey Teachers! We’ve done a lot of information gathering in order to provide a well-rounded list of college and career options for students to explore in forestry and natural resources. Our website has been updated with a collection of videos about professions in the industry. We continue to publish our College and Career newsletter with information on college programs and career opportunities. We will be sending around a sign-up sheet for students who would like to subscribe. Colleges throughout California have provided informational brochures about their forestry programs that are available to students during events and will be sent home with advisors to be given to each school’s college and career guidance office.

## **EXPANDED SCHEDULE FOR WEDNESDAY**

### **Wednesday, October 27, 2021**

- 4:00 to 5:30      Registration – Irvin Dining Hall
- 5:30 to 6:30      Dinner – Bobbitt Hall
- 7:00 to 7:10      Welcome – Amphitheater
- ❖ Please gather by 6:50
  - ❖ Bring Focus Topic Question, paper and pencil
- 7:00 to 8:15      Focus Topic Question presented
- 8:30 to 9:45      Evening Social Time
- 10:00              Report to Cabins
- 10:30              Lights Out

## **2021 EL DORADO FORESTRY CHALLENGE** **“ASK A FORESTER” NOTES AND GUIDELINES**

- Ask a Forester schedules will be available Thursday evening before appointments begin.
- Arrive a few minutes before your scheduled appointment time.
- Appointments are 20 minutes in length.
- Bring any materials with you that will help make your appointment productive.
- Any number of team members may go to the appointment.
- Advisors may not go to the appointment



## **EXPANDED SCHEDULE FOR THURSDAY**

### **Thursday, October 28, 2021**

- 8:00 to 8:45 Breakfast – Bobbitt Hall
- 8:55 to 9:00 Gather for Field Training
- ❖ Gather in front of Bobbitt Hall
  - ❖ Bring Training Worksheet, Clipboards, and Pencil
- 9:05 to 12:00 Field Training
- 12:00 to 1:00 Lunch – Bobbitt Hall
- 1:00 to 1:15 Gather for Data Collection – Bobbitt Hall
- 1:30 to 5:00 Data Collection – Various locations around camp
- ❖ Bring Data Collection Sheet, Camera, Paper, Clipboards, and Water Bottle
  - ❖ Wear pants and boots
- 5:30 to 6:30 Dinner – Bobbitt Hall
- 7:00 to 10:30 Students Prepare Presentations – Irvin Dining Hall
- ❖ Each team should use one table with space on all sides
  - ❖ Teachers may not sit at the table with their students
  - ❖ Students should not leave the Dining Hall without permission, except for Ask a Forester appointments
- 7:05 to 7:10 Introduction to “Ask a Foresters” in Irvin Hall
- 7:30 to 9:20 Ask a Forester appointments – schedule provided at 7:00
- 10:30 Turn in Computers and work materials
- 10:45 Report to Cabins

## THURSDAY A.M. FIELD TRAINING NOTES

**We will have two training tracks, A & B, that your team will divide between. Try to split each team as evenly as possible between the two training tracks. The tracks are as follows:**

<b>Training Track A</b>	<b>9:05 - 9:45</b>	<b>9:50 - 10:30</b>	<b>10:35 - 11:15</b>	<b>11:20 - 12:00</b>
CA Forest Types, Tree ID, Species Composition	Teams 1 - 4	Teams 12 - 15	Teams 8 - 11	Teams 5 - 7
Dichotomous Plant Keys	Teams 5 - 7	Teams 1 - 4	Teams 12 - 15	Teams 8 - 11
Volume and Market Values, Logging Methods	Teams 8 - 11	Teams 5 - 7	Teams 1 - 4	Teams 12 - 15
Densitometer, Increment Borer	Teams 12 - 15	Teams 8 - 11	Teams 5 - 7	Teams 1 - 4

<b>Training Track B</b>	<b>9:05 - 9:45</b>	<b>9:50 - 10:30</b>	<b>10:35 - 11:15</b>	<b>11:20 - 12:00</b>
Diameter Tape, Clinometer, Biltmore Stick	Teams 1 - 4	Teams 12 - 15	Teams 8 - 11	Teams 5 - 7
Angle Gauge, Limiting Distance Table	Teams 5 - 7	Teams 1 - 4	Teams 12 - 15	Teams 8 - 11
Maps	Teams 8 - 11	Teams 5 - 7	Teams 1 - 4	Teams 12 - 15
Compass, Pacing, Tech - Plot Hound	Teams 12 - 15	Teams 8 - 11	Teams 5 - 7	Teams 1 - 4

- ❖ Assemble in front of Bobbitt Hall no later than 8:55.
- ❖ Training worksheets and schedules will be handed out just prior to training.
- ❖ Wear long pants and close-toed shoes.
- ❖ Bring your clipboard, calculator, and forestry tools.
- ❖ You may bring study materials and paper with you for taking notes.

## **EXPANDED SCHEDULE FOR FRIDAY**

**Friday, October 29, 2021**

<b>Time</b>	<b>Activity</b>
8:00 to 9:00	Breakfast – Bobbitt Hall
9:00 to 9:25	Gather for Field Testing – Irvin Dining Hall Travel to Testing Stations
9:30 to 12:00	Field Testing
12:00 to 1:00	Lunch
1:00 to 1:30	Group / School Photos and Pacing Contest
1:30 to 2:30	Test Keys handed out and reviewed
2:30 to 5:00	Free Time
5:30 to 6:30	Dinner
6:45 to 9:30	Teams Finish Preparing Presentations – Irvin Hall At 9:30 all teams must turn in their laptops and presentations
9:30 to 10:00	Evening Social Time
10:00	Report to Cabins

## **FRIDAY FIELD TESTING ROTATION SCHEDULE**

<b>Time Station</b>	<b>9:30 to 10:02</b>	<b>10:10 to 10:42</b>	<b>10:50 to 11:22</b>	<b>11:30 to 12:02</b>
<b>Deck</b>	Teams 1 – 4	Teams 12 – 15	Teams 8 – 11	Teams 5 – 7
<b>Horseshoe</b>	Teams 5 – 7	Teams 1 – 4	Teams 12 – 15	Teams 8 – 11
<b>Disc Golf</b>	Teams 8 – 11	Teams 5 – 7	Teams 1 – 4	Teams 12 – 15
<b>Muddy Road</b>	Teams 12 – 15	Teams 8 – 11	Teams 5 – 7	Teams 1 – 4

### **Important Information about Field Testing:**

- \* Testing stations will be 32 minutes each with 8 minute rotations in between.
- \* Teachers will travel in the same rotation with their team, but may not interact with team members at any time during the testing periods. They may, however, look at a blank copy of the test, provided by the testing proctor(s).
- \* Teachers need to be aware of the route to the next station and will be responsible for getting their group of students there on time.
- \* Teams cannot use notes, written materials, or forestry tools except those given to them at the stations.
- \* Teams are responsible for bringing their own clipboard.
- \* Students will return all tools before moving to the next testing station.

At the end of all testing, one Test Key will be provided for each school for review, and students will have an opportunity to revisit the stations if there are any questions. The test keys are due back Friday at 9:30 p.m.

## **Friday - Pacing Contest:**

The goal of this contest is to pace a 66 foot distance (one chain) without the use of any measuring device. To practice for this contest, mark a 66 foot distance on a sidewalk or parking lot. Stand with your heels on one line and walk with a comfortable step until your toes touch the other line. Once you know how many steps (or paces) you walk, try it without the lines. Then, measure your distance to see how close you are. Note: you will need to know how to do this anyway in order to measure trees using only a Biltmore stick.

Each school will be given a pin flag to mark the end of their chain with their school name. Each school gets one entry. The school that can pace a distance closest to one chain (over or under) wins the contest, and takes possession of the highly coveted "board foot" traveling trophy.

### **El Dorado Forestry Challenge Champions**

2003 – Nevada Union High School  
2004 – Rio Vista High School  
2005 – Elk Grove High School  
2006 – Foresthill High School  
2007 – Napa New Technology H.S.  
2008 – Ponderosa High School FFA  
2009 – Ponderosa High School FFA  
2010 – Franklin High School  
2011 – Ponderosa High School APES  
2012 – Ponderosa High School FFA  
2013 – Franklin High School  
2014 – Amador High School  
2015 – Bella Vista High School  
2016 – Vista Del Lago High School  
2017 – Sac New Tech High School  
2018 – Foresthill High School  
2019 – Foresthill High School

### **El Dorado Pacing Contest Winners:**

2004 – Amador High School  
2005 – Nevada Union High School  
2006 – Grant High School  
2007 – Napa New Technology H.S.  
2008 – Vista del Lago High School  
2009 – Foresthill High School  
2010 – Franklin High School  
2011 – Ponderosa High School APES  
2012 – Franklin High School  
2013 – Santa Maria High School  
2014 – Marysville High School  
2015 – Marysville High School  
2016 – Sac New Tech High School  
2017 – Golden Sierra High School  
2018 – Mira Loma High School  
2019 – Independence High School

# **EXPANDED SCHEDULE FOR SATURDAY**

## **Saturday, October 30, 2021**

Before 9:00	Pack up rooms and cabins, sweep, and take out trash
8:00 to 9:00	Breakfast – Bobbitt Hall
8:15 to 9:00	Judges Orientation – Irvin Hall ❖ For Judges and Timekeepers only
9:15 to 11:10	ALL TEAMS – Report to Irvin Dining Hall OR first round of presentations ❖ Presentation room assignments distributed Friday evening ❖ All teams must turn in press releases, thank you notes, and evaluation forms before leaving Irvin Hall.
11:20 to 11:45	Judging Panel Feedback to Students – Amphitheater
11:45 to 12:00	Awards – Amphitheater
12:00	Lunch and Farewell – Bobbitt Hall

### Notes:

- \* If your presentation time is not suitable, you are free to trade with another team if both agree. Just let me know.
- \* Teachers and parents may listen to their own team's presentation(s), but may not listen to other teams.
- \* Each presentation room will have at least three judges, one of whom may serve as presentation facilitator.
- \* The facilitator will start timing when the presentation begins and show 5 and 1 minute warning cards. The facilitator will stop the presentation at 15 minutes, even if the team is not finished.
- \* The facilitator will then time the 5 minute question and answer period, with a 1 minute warning.
- \* Teams will be able to keep their presentation materials. We encourage teams to give their presentation at school and in the community.
- \* All teams will attend a review session at the Amphitheater from 11:20 to 11:45, where the judges will provide feedback to the teams, after which the awards will be presented.

# **Thank You to the 2021 El Dorado Forestry Challenge Volunteers**

Without volunteers, the Forestry Challenge simply wouldn't happen. Here are the individuals who gave their time and expertise for this event:

Bee Brown  
Bob Broderick  
Cai Brown  
Corrina Munger  
Dan Cullinane  
Emma Kamp  
Jessica Hinojosa  
Jill Engelmann  
John Nicoles

Joyce Everett  
Kevin Conway  
Kim Ingram  
Len Nielson  
Lisa Finato  
Lisa Worthington  
Rick Mazzanti  
Rick Hopson  
Rich Wade

Ryan Foote  
Shawn Finato  
Stephanie Foote  
Steve Cannon  
Sue Mosbacher  
Todd Neill  
Tom Francis  
Travis Eastern  
Walter Ruzzo

## **A Note About our Sponsors:**

In addition to the sponsors on the front cover of this booklet, many more companies, organizations, and individuals contributed. They are:

Campbell Global  
Crane Mills  
Frank Losekoot

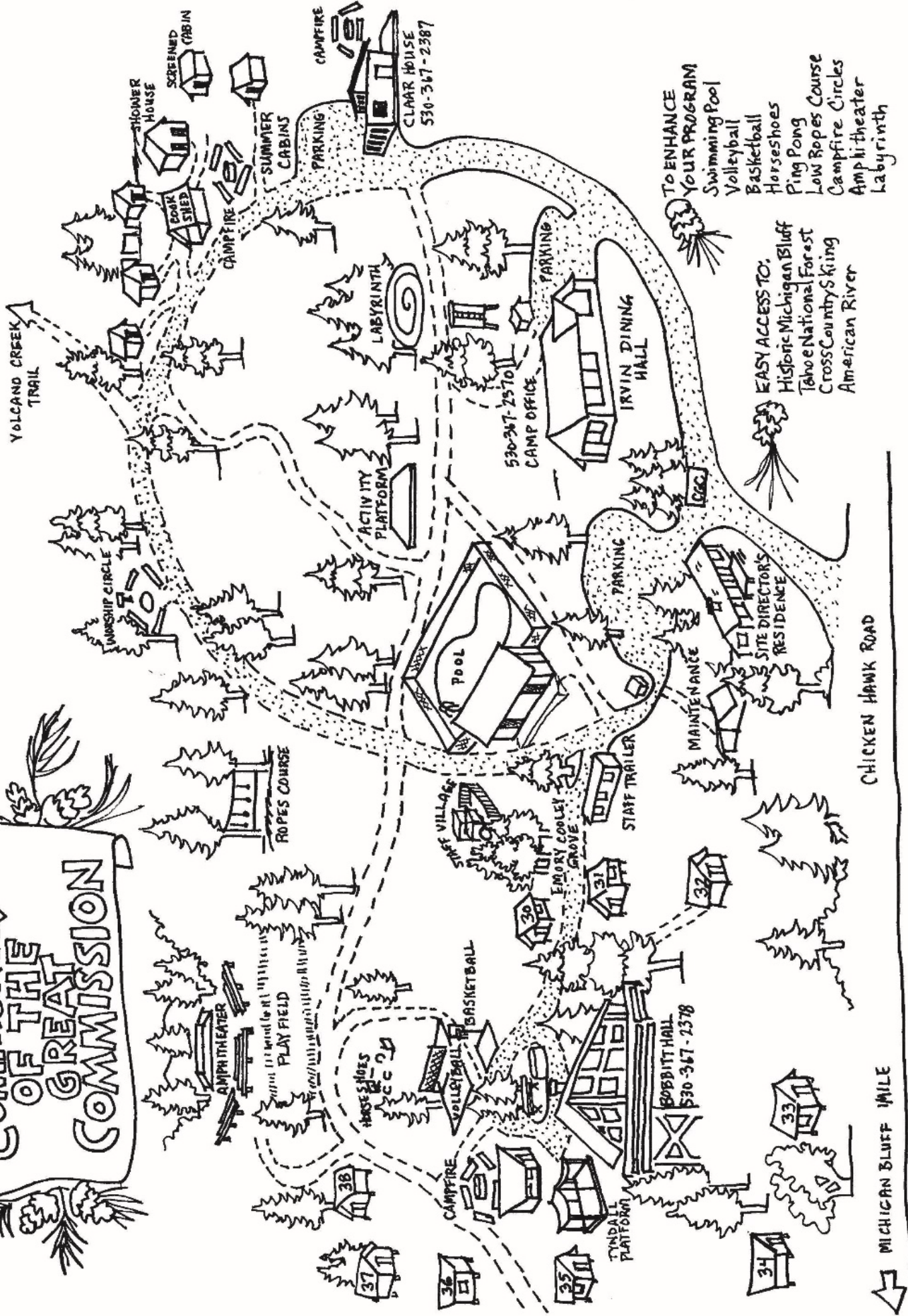
Matt Waverly  
Ruth Cox  
Sierra Resource Management

## **Forestry Challenge Scholarship Program**

Redwood Empire, a division of Pacific States Industries and the Burch Family, and the Los Angeles Hardwood Lumberman's Club award scholarships to assist students who plan to obtain a college degree in Forestry and participated in one or more Forestry Challenge events. Recipients must be enrolled in a program that leads to a degree in Forestry or a closely related field. The 2021 recipients are Maddie Washburn, a Ponderosa High School graduate attending Oregon State University, Autumn Pecarovich, a Minarets High School graduate attending Humboldt State University, and Nishita Dashpute, a Charter Oak High School graduate attending University of California at Berkeley.



# COMMUNITY OF THE GREAT COMMISSION



**TO ENHANCE YOUR PROGRAM**  
 Swimming Pool  
 Volleyball  
 Basketball  
 Horseshoes  
 Ping Pong  
 Low Ropes Course  
 Campfire Circles  
 Amphitheater  
 Labyrinth

**EASY ACCESS TO:**  
 Historic Michigan Bluff  
 Tahoe National Forest  
 Cross Country Skiing  
 American River

CHICKEN HAWK ROAD

1 MILE  
 MICHIGAN BLUFF INMILE