

Robert Dalton, Inc.



Sequoia Forestry Challenge
October 11 to 14, 2017
Quaker Meadow Camp

## **2017 SEQUOIA FORESTRY CHALLENGE** **SCHEDULE OF EVENTS**

### **Wednesday, October 11, 2017**

4:00 to 5:30 Registration and housing assignments  
5:30 to 6:40 Dinner  
6:50 to 8:00 Welcome and Focus Topic Question presented / Q&A  
8:15 to 9:45 Night Hike and Campfire  
9:45 Report to Cabins

### **Thursday, October 12, 2017**

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  
1:15 to 1:30 Gather for Fieldtrip  
1:30 to 5:00 Fieldtrip  
5:30 to 6:30 Dinner  
6:30 to 10:30 Teams Prepare Presentations / Ask a Forester appointments  
10:30 Report to Cabins

### **Friday, October 13, 2017**

8:00 to 8:45 Breakfast  
9:00 to 9:15 Gather for Field Testing  
9:15 to 12:10 Field Testing  
12:10 to 1:10 Lunch  
1:15 to 1:45 Group and School Photos  
1:45 to 2:00 Field Test Review  
2:00 to 4:30 Recreational Time  
4:30 to 5:00 Pacing Contest  
5:30 to 6:30 Dinner  
6:45 to 9:30 Teams Finish Preparing Presentations  
9:30 to 10:00 Social Time - Campfire  
10:15 Report to Cabins

### **Saturday, October 14, 2017**

8:00 to 8:45 Breakfast  
8:45 to 11:15 Teams pack up and clean cabins  
8:15 to 9:00 Judges Orientation  
9:15 to 11:15 Teams Give Presentations  
11:20 to 11:45 Judging Panel Feedback to Students  
11:45 to noon Awards  
Noon Lunch and Farewell

## 2017 Sequoia Forestry Challenge Participants:

<b>School</b>	<b>County</b>	<b>Advisor(s)</b>	<b>Team #'s</b>
Dinuba	Tulare	Rick Dutra	1
Eleanor Roosevelt	Tulare	Jeff Alexander, Sarah and Mark Kelm	2, 3
Golden Valley	Kern	Jennifer Yamauchi	5, 6
Hanford	Kings	Allexis Girard	4
Minarets	Madera	Richard Chapman, Heidi Mitchell	7, 8
Monache	Tulare	Amanda Driver	9, 10, 11
Porterville	Tulare	Todd Coons	13, 14
Ridgeview	Kern	Mike Brasier	15, 16
Sequoia	Tulare	Jalisco Thomason	12



## Housing Assignments

<b>Cabin/Room and Gender</b>	<b>Schools</b>	<b># People</b>
1/A - Girls	Dinuba, ERCLC-Sarah Kelm, Ridgeview-Imelda Ibarra, Porterville	13
1/B - Girls	Golden Valley-Jennifer Yamauchi	8
1/C - Girls	Sequoia-Jalisco Thomason, Terrell Ramos	7
1/D - Girls	Minarets-Heidi Mitchell, Hanford-Alleaxis Girard	8
1/E - Girls	Monache-Amanda Driver	8
2/A - Boys	ERCLC-Jeff Alexander and Mark Kelm	7
2/B - Boys	Hanford, Minarets-Richard Chapman	7
2/C - Boys	Monache, Porterville-Todd Coons	7
2/D - Boys	Dinuba-Rick Dutra, Sequoia	5
2/E - Boys	Ridgeview-Mike Brasier	5

# **2017 California Forestry Challenge Rules**

1. Students enrolled in grades 9 through 12 are eligible to participate. Community college students may participate if the facility can accommodate them, as determined by the FC coordinator.
2. Teams will consist of two to five students from the same school, home school, tribe, or scouting group. More than one team may enter from each school as space permits. There may be a need to restrict the maximum to 10 students per school. Requests to bring more than 10 students will be considered on a case-by-case basis.
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. If bringing only one adult, an additional adult of the opposite gender must be available on standby, to insure proper overnight supervision. Additional adults may be required to assure correct ratios, depending on the facility housing and school group size.
4. Schools that pre-register by May 31, 2017 will receive a 30% discount on the registration fees listed below. Schools that pre-register after May 31 will be expected to pay the registration fees listed below.
5. A completed registration form and registration fees must be received 12 days prior to the start of the event, unless prior arrangements have been made for delivery of payment at the beginning of an event. Registration fees 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.
6. Penalties for late payment of 10% of the invoice amount may be assessed for every 30 days past due.
7. Registration fees and due dates are as follows:
  - Shasta FC fees are \$105 per person, due September 15
  - Sequoia FC fees are \$150 per person, due September 29
  - El Dorado FC fees are \$110 per person, due October 13
  - San Bernardino FC fees are \$155 per person, due October 27
  - Santa Cruz FC fees are \$180 per person, due November 3
8. Student substitutions of the same gender are allowed up to the start of the event. However, there will be no refunds for students or advisors that cancel after the deadline, and registration fees for persons who do not attend may be held to cover 2018 registration fees.
9. 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.
10. Advisors and students will check in together, unless prior arrangements are made with the FC Coordinator.
11. Team advisors 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. Rules applicable to the host site will apply.
12. Participants will report any illness or personal emergency to the Coordinator or designated staff.

13. If participants break or damage property of the FC or the host site, they are responsible for reporting the damage and paying for its repair.
14. All students must attend and fully participate in all scheduled activities.
15. Although advisors must attend all activities in order to properly supervise students, they are not allowed to actively participate in field testing or focus topic presentation preparation.
16. The use of personal electronic devices such as cell phones and I-Pods for communication is prohibited except during free time or in the case of an emergency. Phone cameras may be used during the fieldtrip.
17. 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.
18. No students or advisors are allowed to leave the host site without approval.
19. Tobacco, drugs, and alcohol are prohibited during all parts of the event.
20. Transportation to, from, and during an event will be the responsibility of each participating team, unless transportation is provided during an event.
21. 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.
22. The Field Test will be 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 at the conclusion of the testing period, to be returned by the end of the testing day. The FC Coordinator or designee will be available to answer questions.
23. Test questions will be devised 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 field trip and field training may be tested as well.
24. Students will not be allowed to use their own reference materials during the Field Test. All materials needed during the Field Test, including identification keys, reference materials, and equipment, will be provided at the testing stations.
25. Any and all written and electronic materials teams bring to the event and gather while at the event may be used to prepare the Presentation. Laptop computers will be used, and there will be equal access to wireless internet. Hotspot devices will not be allowed unless being used to provide equal internet access to all teams.
26. 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.
27. Students and advisors will be asked to complete an evaluation form at the conclusion of the event.
28. 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.
29. FC rules are subject to change by the Coordinator. Any and all changes will be explained in advance to all teams and advisors.
30. Any infraction of any of the FC Rules could result in disqualification and/or dismissal from the event and the host site.

## **The Tom Eustis Memorial Award for Teaching Excellence**



EUSTIS, Thomas McLoughlin

The Tom Eustis Memorial Award for Teaching Excellence was established in 2006 to honor Thomas McLoughlin Eustis. Tom was born February 7, 1958 and passed away July 8, 2006. Tom graduated from Piedmont H.S. in 1976; Cal Berkeley with a B.S. in Forestry in 1981 and in 1984 received his Masters of Forestry from Oregon State. He worked for the U.S. Forest Service where he spent time fighting fires. He earned his teaching credential through Project Pipeline, and taught at C.K. McClatchy High School in Sacramento from 1999 to 2006. He was the coordinator of their Fire Science Program for five years, and participated in the California Forestry Challenge as a Team Advisor in 2003 and 2005. He was a dedicated supporter of the Forestry Challenge, and always a pleasure to have as a participant. Tom's positive attitude and laid back style will be missed.

### **Award Recipients:**

- 2006 - Scott Meyers, Grant High School
- 2007 - Katie Alling, Nevada Union High School
- 2008 – Larry Wright, Rio Vista High School
- 2009 – Christie Jouaneh, Napa New Tech High School
- 2010 – Suzanna Johnson, Colfax High School
- 2011 – Shannon Clark, Argonaut High School
- 2012 – Tony White, Elk Grove High School
- 2013 – Dr. Miriam Kaplan, Soquel High School
- 2014 – Carol Germano, Anderson New Tech High School
- 2015 – Angela Metcalfe, Anaheim High School
- 2016 - Randy Lund, Tulelake High School

## **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 that employed up to 100 employees through the 1980's and 1990's. The business specialized in redwood moulding and custom work for clients including UC Berkeley North Gate and the William Randolph Hearst private estate in Wynton, 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 Chef, El Dorado Forestry Challenge

## Scholarships Available

For the last two years, Redwood Empire, a division of Pacific States Industries and the Burch Family, has awarded 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 full time in a four-year program that leads to a B.S. degree in Forestry or a closely related field. In 2016, two students each received a \$2,000 scholarship.



*Brianna Cebellero graduated from Nevada Union High School and attends Reedley College*



*Summer Von Aesch graduated from Bella Vista High School and attends Sierra College*



*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, DC 20250-9410 or call (202) 720-5964 (voice and TDD).**

USDA is an equal opportunity provider and employer.

## EXPANDED SCHEDULE FOR WEDNESDAY

### Wednesday, October 11, 2017

4:00 to 5:30 Registration – Chapel

5:30 to 6:40 Dinner – Dining Hall

6:50 to 8:00 Welcome and Focus Topic presentation – Chapel

❖ Bring Focus Topic Question, Paper, and Pencil

8:15 to 9:45 Campfire and Night Hike

❖ Dinuba, Eleanor Roosevelt, Hanford, Porterville, and Ridgeview - hike from 8:15 to 9:00

❖ Golden Valley, Minarets, Monache, and Sequoia - hike from 9:00 to 9:45

10:00 Report to Cabins

10:30 Lights Out

## THURSDAY A.M. FIELD TRAINING ROTATION SCHEDULE

<b>Topic</b>	<b>Time</b>	9:05 - 9:45	9:50 - 10:30	10:35 - 11:15	11:20 - 12:00
Tree ID, Stand Composition, Dichotomous Keys		Teams 1 - 4	Teams 13 - 16	Teams 9 - 12	Teams 5 - 8
Diameter Tape, Clinometer, Biltmore Stick, Volume Tables, Market Values		Teams 5 - 8	Teams 1 - 4	Teams 13 - 16	Teams 9 - 12
Angle Gauge, Limiting Distance Table		Teams 9 - 12	Teams 5 - 8	Teams 1 - 4	Teams 13 - 16
Increment Borer, Map and Compass		Teams 13 - 16	Teams 9 - 12	Teams 5 - 8	Teams 1 - 4



## **EXPANDED SCHEDULE FOR THURSDAY**

### **Thursday, October 12, 2017**

- 8:00 to 8:45 Breakfast – Dining Hall
- 8:55 to 9:00 Gather for Field Training at playing field
- ❖ Bring Field Training Worksheet, Cruiser Vests, Clipboards, and Water Bottle
  - ❖ Wear field clothes (long pants and sturdy shoes)
- 9:05 to 12:00 Field Training
- 12:00 to 1:00 Lunch – Dining Hall
- 1:15 to 1:30 Gather for Fieldtrip / Data Collection at Playing Field
- 1:30 to 5:00 Fieldtrip / Data Collection
- 5:30 to 6:30 Dinner – Dining Hall
- 6:30 to 10:00 Students Prepare Presentations in Dining Hall
- ❖ Each team should use one table with space on all sides
  - ❖ Laptops and field notes should be used
  - ❖ Flash drive provided with field data and other resources
  - ❖ Students should not leave without permission (except for Ask a Forester appointments)
- 7:20 to 9:45 “Ask a Forester” appointments (schedule on next page)
- 10:00 Turn in Computers and Report to Cabins
- 10:45 Lights out

**2017 SEQUOIA FORESTRY CHALLENGE**  
**“ASK A FORESTER” APPOINTMENT SCHEDULE**

Team Number	Appointment #1 Time	Ask a Forester Number	Appointment #2 Time	Ask a Forester Number
1	7:20	1	8:35	2
6	7:45	1	9:00	2
12	8:10	1	9:25	2
2	7:20	2	8:35	3
7	7:45	2	9:00	3
13	8:10	2	9:25	3
3	7:20	3	8:35	4
8	7:45	3	9:00	4
14	8:10	3	9:25	4
4	7:20	4	8:35	5
9	7:45	4	9:00	5
15	8:10	4	9:25	5
5	7:20	5	8:35	6
10	7:45	5	9:00	6
16	8:10	5	9:25	6
11	7:45	6	9:00	1

- Appointment locations will be announced with forester introductions at 7:10 p.m.
- 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 FRIDAY**

### **Friday, October 13, 2017**

- 8:00 to 8:45     Breakfast
- 8:45 to 9:00     Assemble for Field Testing in front of Chapel
- 9:00 to 9:15     Travel to First Testing Station  
                    ❖ Bring Clipboard, pencils, and calculator  
                    ❖ Do not bring any notes or reference materials
- 9:15 to 12:10    Forestry Field Test
- 12:10 to 1:10    Lunch
- 1:15 to 1:45     Group and School Photos
- 1:45 to 2:00     Field Test Review
- 2:00 to 4:30     Recreational Time – zip line, basketball, volleyball
- 4:30 to 5:00     Pacing Contest
- 5:30 to 6:30     Dinner
- 6:45 to 9:30     Teams Finish Preparing Presentations – Dining Hall  
                    ❖ At 9:30, all teams must turn in their laptops
- 9:30 to 10:15    Social Time - Campfire
- 10:15             Report to Cabins
- 10:45             Lights Out

## FRIDAY FIELD TESTING

<b>Time Station</b>	<b>9:15 to 9:55</b>	<b>10:00 to 10:40</b>	<b>10:45 to 11:25</b>	<b>11:30 to 12:10</b>
<b>Meadow</b>	Teams 1 - 4	Teams 13 - 16	Teams 9 - 12	Teams 5 - 8
<b>In-between</b>	Teams 5 - 8	Teams 1 - 4	Teams 13 - 16	Teams 9 - 12
<b>Fork in the Road</b>	Teams 9 - 12	Teams 5 - 8	Teams 1 - 4	Teams 13 - 16
<b>Penn</b>	Teams 13 - 16	Teams 9 - 12	Teams 5 - 8	Teams 1 - 4

### Important Information about Field Testing:

- \* Testing stations will be 40 minutes each with 5 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 person in charge of the test station.
- \* 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 and calculator.
- \* Students will return all tools before moving to the next testing station.
- \* After lunch and school photos, one Test Key will be given the lead Advisor from each school for review, and participants will have an opportunity to revisit the stations if there are any questions. The test keys will be due back on Friday evening at 9:30 p.m.



## **Friday, 4:30 to 5:00 - Pacing Contest:**

The goal of this contest is to pace a 66 foot distance without the use of any measuring device. To practice for this contest, we will create a 66 foot template. 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 two flags to mark the beginning and end of their chain. Each school gets one entry. The school that can pace a distance closest to 66 feet wins the contest, and takes possession of the coveted "board foot" trophy.

### **Sequoia Forestry Challenge Champions**

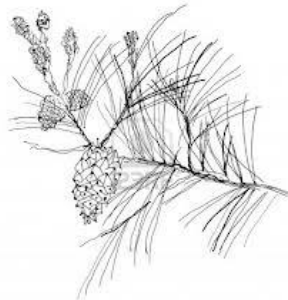
2012 – Monache High School

2013 – Minarets High School

2014 – Mountain Oaks Charter High School

2015 - Oxford Academy

2016 - Reedley High School



### **Sequoia Forestry Pacing Contest Winners**

2012 – Monache High School

2013 – Littlerock High School

2014 - ACEL High School

2015 - Oxford Academy

2016 - Reedley High School

# EXPANDED SCHEDULE FOR SATURDAY

## Saturday, October 14, 2017

- 7:45 to 8:00 Breakfast for Judges and Timekeepers
- 8:00 to 8:45 Breakfast for Schools -- Dining Hall  
❖ Please complete evaluation forms and thank you notes
- 8:45 to 11:15 Teams pack up and clean cabins when not presenting
- 8:15 to 9:00 Judges Orientation – Game Room  
❖ For Judges and Timekeepers only
- 9:15 to 11:15 Teams Give Presentations  
❖ See room assignments below  
❖ Before you begin, turn in your green bag with the following items:  
Thank you notes, evaluation forms, and flash drives

	<b>Time</b>	9:15 to 9:40	9:45 to 10:10	10:15 - 10:40	10:45 to 11:10
<b>Location</b>					
Dining Hall		1	2	3	4
Game Room		5	6	7	8
Climbing Wall Room		9	10	11	12
Chapel		13	14	15	16

(The numbers in the grid are team numbers.)

11:20 to 11:45 Judging Panel Feedback to Students

11:45 to noon Awards

Noon Lunch in Dining Hall and Farewell

### 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 location will have three judges and a timekeeper.
- \* The Timekeeper will start timing when the presentation begins and show a 5 and a 1 minute warning card.
- \* The Timekeeper will stop the presentation when time is up, even if the team is not finished.
- \* The Timekeeper will time the 5 minute question and answer period, with a 1 minute warning.
- \* Teams may keep their presentation materials. We encourage teams to give their presentation at school and in the community.
- \* All teams will attend a review session 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 2017 Sequoia 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:

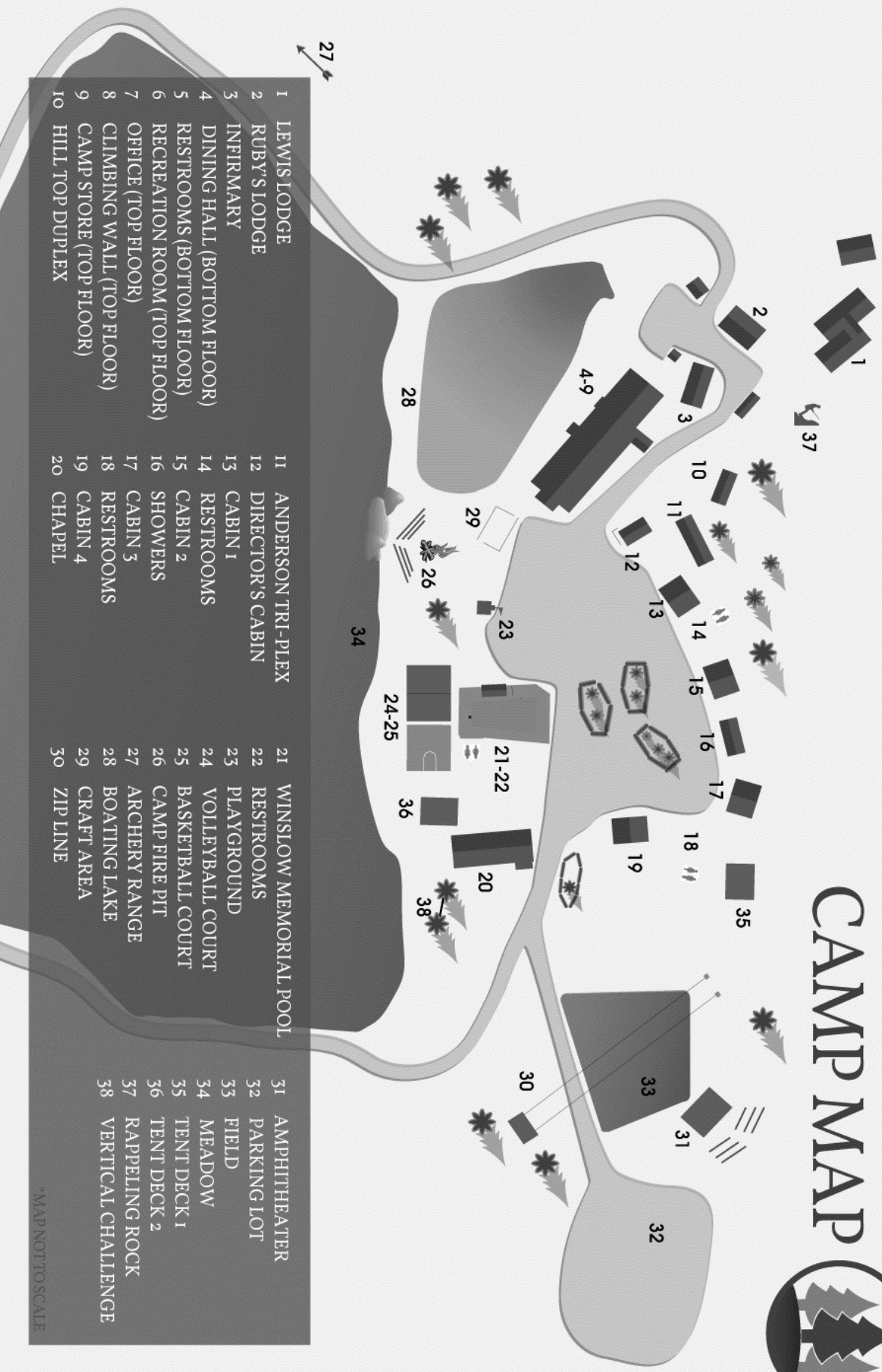
Christian Chacon  
Christopher Dow  
Dan Cullinane  
Derek Weatherbee  
Devon Mathis  
Eli Ferguson  
Evan Carlos  
Greg Dion  
Henry Francois  
Jeff Gletne  
Jim Kral  
John Nicoles  
Margarita Rodriguez  
Martin Gubrud  
Nancy Bruce  
Nick Shew  
Paige Mack  
Rich Wade  
Rodrigo Vargas-Rosales

### **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:

California Licensed Foresters Association  
Crane Mills  
CTL Forest Management  
Hancock Forest Management  
Hardie Tatum Tree Management  
Jefferson Resource Company  
Joe Thornton Logging  
Matt Waverly  
Sierra Forest Products  
Sierra Resource Management  
YourCause

# CAMP MAP



- 1 LEWIS LODGE
- 2 RUBY'S LODGE
- 3 INFIRMARY
- 4 DINING HALL (BOTTOM FLOOR)
- 5 RESTROOMS (BOTTOM FLOOR)
- 6 RECREATION ROOM (TOP FLOOR)
- 7 OFFICE (TOP FLOOR)
- 8 CLIMBING WALL (TOP FLOOR)
- 9 CAMP STORE (TOP FLOOR)
- 10 HILL TOP DUPLEX
- 11 ANDERSON TRI-PLEX
- 12 DIRECTOR'S CABIN
- 13 CABIN 1
- 14 RESTROOMS
- 15 CABIN 2
- 16 SHOWERS
- 17 CABIN 3
- 18 RESTROOMS
- 19 CABIN 4
- 20 CHAPEL
- 21 WINSLOW MEMORIAL POOL
- 22 RESTROOMS
- 23 PLAYGROUND
- 24 VOLLEYBALL COURT
- 25 BASKETBALL COURT
- 26 CAMP FIRE PIT
- 27 ARCHERY RANGE
- 28 BOATING LAKE
- 29 CRAFT AREA
- 30 ZIP LINE
- 31 AMPHITHEATER
- 32 PARKING LOT
- 33 FIELD
- 34 MEADOW
- 35 TENT DECK 1
- 36 TENT DECK 2
- 37 RAPPELLING ROCK
- 38 VERTICAL CHALLENGE

\*MAP NOT TO SCALE