FIRE ECOLOGY AND PRESCRIBED BURN

October 11-16, 2015

Training Syllabus



William Penn Mott Jr. Training Center



Memorandum

- Date: September 22, 2015
- To: Supervisor
- From: Ann Slaughter, Acting Department Training Officer Training Section California State Parks
- Subject: Employee Attendance at Formal Training Fire Ecology and Prescribed Burning

An employee from your office will soon be attending the formal training program described in the attachment. Please ensure that the employee is fully prepared to attend the session and that the groundwork is laid for the employee's implementation of the training upon returning to work. You can assist with capturing the full value of the training by taking the following steps:

Prior to Training

- 1. Make sure that **specific** employee needs are identified and, if necessary, called immediately to the attention of the Training Coordinator.
- 2. Review with the employee the reason for the employee's attendance.
- 3. Review objectives and agenda with the employee.
- 4. Discuss objectives and performance expected after the training.

Immediately Following Attendance

- 1. Discuss what was learned and intended uses of the training.
- 2. Review the employee's assessment of the training program for its impact at the workplace.
- 3. Support the employee's use of the training at the work place.

Three Months Following Training

1. Supervisor evaluates the effectiveness of the training on the employee's job performance and meets with employee to discuss the evaluation.

Thank you for your assistance in seeing that the full benefit of training is realized.

Attachment

cc: Participant

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Mission Statement Training Section

The mission of the Training Section is to improve organizational and individual performance and productivity through consulting, collaboration, training, and development.

TRAINING SECTION STAFF

0	Acting Department Training Officer. EMS and LFG Training Coordinator
Dave Galanti	Training Specialist
Kenney Glaspie	Training Specialist
Karyn Lombard	Training Specialist
Sara M. Skinner	Training Specialist
James Suero	Training Specialist
Jason Smith	Academy Coordinator
Matt Cardinet	Cadet Training Officer
Travis Gee	Cadet Training Officer
Lisa Anthony	Program Coordinator
Edith Alhambra	Assistant Program Coordinator
Pamela Yaeger	Assistant Program Coordinator

THE MISSION

of California State Parks is to provide for the health, inspiration, and education of the people of California by helping to preserve the state's extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high quality outdoor recreation.



FORMAL TRAINING GUIDELINES

Welcome to formal training, an essential component in your career development.

Since 1969, our Department has been providing a continuously changing number of diverse training programs at its main training facility, the William Penn Mott Jr. Training Center, and other locations including Marconi Conference Center. The Department strives to enhance your learning and job performance with formal training of the highest quality.

Our Department's dedication to training is only one aspect of its commitment to you and to the public. This commitment is costly and represents an important investment in you and your career. You and the Department realize a return on that investment by your positive participation in formal training itself and post training follow-through.

The program you will be participating in is described in this training syllabus, which outlines what you can expect from this training and what is expected of you. This syllabus details what you should do before you leave for training; what to do when you arrive; what you will be doing while in training; and, importantly, what you should be able to do when you return to your work site. Specifically:

- 1. SYLLABUS: The syllabus is now accessible on the Employee Training Management System (ETMS) and on the Parks and Recreation website under the Learning/Training Section. Your copy of this syllabus is an important part of your training experience and should be brought with you to training. Read it before you arrive and review it following the program along with material you received at training.
- PRE-TRAINING ASSIGNMENTS: Your completion of pre-training assignments is essential to the success of your training. You are responsible for all reading assignments in preparation for classroom sessions. Time will be provided during working hours to accomplish any assignments which involve either individual or group efforts and resources.

3. TRAVEL: Arrange your travel to and from the training through your District or Office. (No reimbursement for travel expense - including per diem costs - will be approved for travel not specifically authorized in advance by the District Superintendent.) Individuals may claim reimbursement for incidental expenses incurred as outlined in DAM 0410.6. The Mott Training Center does not have the capability to provide transportation to/from Monterey airport.

The cost of your travel (airfare, mileage, rental car, etc.) is paid by your District or Office **to** and **from** the location of the training.

4. HOUSING: Housing will be assigned to you on a shared-room basis and will be available from 3:00 p.m. on the date of arrival to 12:00 noon on the date of departure. The Department provides your room and board expenses at the Mott Training Center only. No per diem allowance will be authorized for living off-grounds. This does not preclude living off-grounds at your own expense. Advise the Department Training Specialist no later than two weeks before your scheduled arrival if you plan to live off-grounds. No animals are permitted in Asilomar housing. In the event of an emergency, staff must know your room assignment; therefore, you may not switch rooms without staff approval. Overnight guests are not allowed in the buildings unless registered beforehand at the front desk in Asilomar's Administration Building. Quiet hour for lodge living areas is 10:00 p.m.

<u>Note</u>: You may be assigned a room at a motel while attending training. If so you may be asked to present a valid credit or debit card while checking in to your room. Many motels require a credit card to cover charges incurred such as telephone calls, damages to rooms and/or furnishings, fees to clean rooms that have been smoked in that are not designated as smoking rooms, etc. Be prepared to handle this appropriately.

5. <u>ENROLLMENT OR HOUSING CANCELLATION POLICY</u>: To cancel participation in a course, the participant must have their District Superintendent or Section/Office Manager send an email to the Training Specialist assigned to the course requesting to remove the participant. If you do not need lodging or must change or cancel your reservation for lodging, you must contact the Mott Training Center or Training Specialist assigned to the course at least 2 weeks prior to your date of arrival. Lodging, registration, and associated fees will be charged to the employee's District or Section/Office if a training cancellation is received with less than two weeks' notice.

The Training Section is committed to ensuring that the reservation that has been made for you is accurate and needed.

6. OFF-GROUNDS ACCOMMODATIONS: When authorized to stay off-grounds by the Department Training Specialist, the Mott Training Center will absorb the cost of your room and meals at the current DPR Asilomar rate. If you stay off grounds

and have meals on grounds, the Mott Training Center will authorize only what the Department pays Asilomar for lodging.

7. MEALS: Meals will be provided, semi-cafeteria style, from dinner on the date of arrival through lunch on the date of departure. Meals will be served at 7:15 a.m. for breakfast, 12:00 noon for lunch, and 6:00 p.m. for dinner. Hot or box lunches may be provided on some days. If you require a special diet, please contact the Training Specialist James Suero to request the Asilomar Dietary Restriction form no later than two weeks prior to the course start date. The Training Specialist will forward the form to the appropriate Asilomar Conference Grounds staff.

In order to assist participants with limited mobility, Asilomar provides a shuttle to and from the dining hall. Contact either Asilomar staff upon check-in, or Mott Training Center staff upon your arrival, for instructions on arranging a transport.

8. CLOTHING: Field uniforms as found in "Description of Required Field Uniforms", DOM Chapter 2300, Uniform Handbooks, will be worn daily by all uniformed employees during formal training sessions <u>unless otherwise specified in the</u> <u>Program Attendance Checklist</u>. Non-uniformed employees shall wear apparel normally worn on the job. Appropriate attire includes apparel suitable for professional office dress. It does not include such items as shorts, t-shirts, tank tops, or sandals.

Because we are on the conference grounds with many other groups, and the image we project as State Park employees is important not only during working hours but off duty hours as well, your informal sportswear should be appropriate.

- 9. ROOM SAFES: Two safes have been installed in each of the lodge rooms used by the Mott Training Center (Live Oak, Tree Tops, and Deer Lodge). These safes are a type that allows the user to input their own combination of numbers to facilitate opening and closing. The Mott Training Center has a master key for emergency entry. Safes are to be left in the open position when checking out of your room.
- 10. WEAPONS: <u>Weapons are permitted in rooms under the following conditions</u>. Authorized firearms and magazines stored while at the Mott Training Center shall be in a safe condition and stored in one of the following locations: your room safe in Live Oak, Tree Tops, or Deer Lodge, one of the Mott Training Center's safes in the Whitehead Room or secured in your vehicle.
- 11. ALCOHOLIC BEVERAGES: Participants shall not possess or consume alcoholic beverages in common areas (living room) while on the Asilomar Conference Grounds unless provided and hosted by Concessionaire ARAMARK.
- 12. SMOKING: Smoking is not permitted in the Mott Training Center or in any lodge or guest room on the Asilomar Conference Grounds.

- 13. TRAINING CENTER: The Mott Training Center is located on Asilomar Conference Grounds, part of Asilomar State Beach. The Conference Grounds are operated for our Department by a concessionaire, and all lodging and food services are provided to us by employees of the concessionaire. Constant efforts are made to maintain a sound, harmonious working relationship between the Department and concessionaire. None of us can expect preferential treatment for any reason and, as a departmental employee you will be expected to join in our continuing effort toward an effective relationship with each Asilomar concession staff member. On occasion, non-departmental groups may be staying in the same lodges. It is imperative that you represent the Department well on and off duty.
- 14. REGISTRATION: When you arrive at Asilomar Conference Grounds, proceed directly to the front desk at the Asilomar Administration Building for your room key and dining room ticket. If you require vegetarian meals, notify the front desk representative and your meal ticket will be marked accordingly.
- 15. COURSE LEADERS: The formal training you will attend is developed and, for the most part, conducted by experienced State Park employees in field and staff positions. Some courses will be conducted by qualified instructors from other agencies and educational institutions. Your course leaders have proven their ability and knowledge in their profession, and provide a level of expertise difficult to match.
- 16. TRAINING SECTION STAFF: James Suero is your Training Specialist and has been assigned the responsibility for your training group. That staff member usually serves as a Course Leader as well as a Coordinator. During the program, you may be asked to assist Training Section Staff in the logistics of your training program (organizing field trip transportation, supervising classroom breaks, etc.). Training Section Staff will do all within their power to make your training experience pleasant and meaningful.
- 17. TRAINING MATERIALS: May be made available to you at both your unit and the Mott Training Center. Handout materials issued at your unit should be brought to training for possible use. A conference binder or notebook will be issued to you at the training session for note taking and convenience in handling materials. Bring your own pens and pencils.
- 18. ATTENDANCE: Regular attendance is a critical course requirement and your participation is important to the success of this training. An absence of more than 10% of the course hours constitutes grounds for dropping a participant from the course. The Department Training Specialist may modify this requirement based upon participant knowledge level and/or the portion of the course missed. All absences, except those of an emergency nature, must be approved in advance by the Training Specialist.

- 19. VEHICLES: All vehicles should be parked in the lots adjacent to the Mott Training Center. Any questions regarding use of a State vehicle while at the Mott Training Center should be discussed with your supervisor prior to your departure for training, or with your Program Coordinator while at the Mott Training Center.
- 20. BICYCLES: If you bring your bicycle, store it in the bicycle shed next to the Mott Training Center. Bicycles may not be brought into any building nor chained to lamp posts, trees, etc. The Mott Training Center has a limited number of bicycles available for your use. Prior to your use, you are required to complete a safety inspection and sign a waiver which is posted in the bicycle shed.
- 21. MAIL: Mail forwarded to you during your time at the Center should be addressed to you in care of:

Department of Parks and Recreation WILLIAM PENN MOTT JR. TRAINING CENTER PO Box 699, Pacific Grove, CA 93950

- 22. CELL PHONES: As a courtesy to your fellow participants and course leaders ensure that your cell phone is turned off during classes. Participants should not be receiving or making cell phone calls during class time. Limit those calls to your breaks.
- 23. FAX: The Mott Training Center's FAX number is (831) 649-2824.
- 24. TELEPHONE: Limit phone calls during classroom hours to urgent business or emergencies. Anyone wishing to contact you by telephone during working hours should call the Center at (831) 649-2954. Calls after 5:00 p.m. or during weekends should be made to (831) 372-8016, Asilomar Conference Grounds, and the caller should tell the switchboard operator you are with a California State Parks training group. Note: There are no longer pay telephones outside of the Mott Training Center. There are pay telephones located at the Asilomar Administration Building.
- 25. LAUNDRY AND DRY CLEANING: May be taken care of by you at one of several local establishments.
- 26. RECREATION: Facilities available on grounds include a heated swimming pool, pool tables, and a volleyball court. The Monterey area offers horseback riding, golf, tennis, racquetball, deep sea fishing, and many historical landmarks and scenic sights to explore.
- 27. POST-TRAINING ASSIGNMENTS: In connection with formal training are to be completed under the direction of your supervisor.
- 28. COFFEE BREAK REFRESHMENTS: Will be available throughout each session. You will be asked to contribute to the "Hospitality Fund" to defray expenses. <u>Bring</u> your own coffee cup.

PROGRAM ATTENDANCE CHECKLIST

To assist you in your preparation for formal training session at the William Penn Mott Jr. Training Center the following list is provided:

- _____1. Read and understand the Fire Ecology and Prescribed Burn program syllabus prior to your arrival at the Mott Training Center.
- _____2. Arrange your travel through your District Office/Section.
- _____3. Remember to bring the following with you to training:
 - □ Program syllabus.
 - □ Proper field uniform, see Formal Training Guidelines #8.
 - □ Coffee cup, reusable water bottle, alarm clock, pens, pencils.

POST-TRAINING ASSIGNMENT

Prior to ninety days after the completion of this program, the employee and his/her supervisor should discuss the impact and assess the effectiveness this program has had on the employee.

The post-training evaluation process is intended to provide a bridge between classroom instruction and the on-the-job application of training. The information obtained through this process will assist the training participant, supervisor, and Training Section in providing a return on the investment the Department has on training.

FIRE ECOLOGY AND PRESCRIBED BURNING – AGENDA October 11-16, 2015

Sunday

October 11 1500

REGISTRATION: Check in at the Asilomar	All
Administration Building.	

Monday October 12

October 12		
0800-0830	Introduction	Suero
0830-0900	Fire Behavior: Fuels	Suero
0900-1030	Fire Chemistry and Fire Physics	Bakken
1030-1200	Fire Ecology	Sugihara
1200-1300	Lunch	
1300-1500	Fire Regimes of California	Sugihara
1500-1700	Fire Effects - California Forests	Keeley

Tuesday

October	13
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0800-1000	Fire Effects - Shrub Communities	Keeley
1000-1200	Fire Effects - Aquatic Systems	Shaffer
1200-1300	Lunch	
1300-1500	Fire Effects - Terrestrial Wildlife	Shaffer
1500-1700	Fire Effects - Grasslands and Oak Woodlands	Andreano

Wednesday October 14

OCIODEI 14		
0800-1000	Fire Effects - Insects and Pathogens	Stark
1000-1200	Fire Effects - Nonnative plants	Hyland
1200-1300	Lunch	
1300-1500	Fire Effects - Soil and Hydrology	Busse
1500-1700	Fire Effects - Air Quality	Mims

Thursday October 15

0010001		
0800-0900	O Prescribed Burning - DPR Program	Suero
0900-1000	D Panel - Current Issues in Rx Burning	
1000-1200	0 Native American Uses of Fire	Salmon
1200-1300) Lunch	

FIRE ECOLOGY AND PRESCRIBED BURNING – AGENDA October 11-16, 2015

Thursday October 15 (cont.)

1300-1400	Fire Effects - Cultural Resources	Corey
1400-1500	Prescribed Fire - History and Current Use	Halbert
1500-1700	Prescribed Fire - Planning	Padilla

Friday October 16

Fire Effects - Climate Change	Ursell
Prescribed Fire Tools and Techniques	Padilla
Wrap-up	Suero
Lunch and Departure	
	Prescribed Fire Tools and Techniques Wrap-up

TRAINING PROGRAM: FIRE ECOLOGY AND PRESCRIBE BURN 36 HOURS

PROGRAM OUTLINE	Total <u>Hours</u>
Orientation	0.5
Fire Chemistry and Fire Physics	1.5
Fire Behavior: Fuels	0.5
Fire Ecology	1.5
Fire Regimes of California	2.0
Fire Effects: Soil and Hydrology	2.0
Fire Effects: Aquatic Systems	2.0
Fire Effects: Terrestrial Wildlife	2.0
Fire Effects: Grasslands and Oak Woodlands	2.0
Fire Effects: Shrub Communities	2.0
Fire Effects: Non-native Plants	2.0
Fire Effects: California Forests	2.0
Fire Effects: Air Quality	2.0
Prescribed Burning: DPR Program	1.0
Panel: Current Issues in Rx Burning	1.0
Native American Uses of Fire	2.0
Fire Effects: Cultural Resources	1.0
Prescribed Fire: History and Current Use	1.0
Prescribed Fire: Tools and Techniques	2.0
Prescribed Fire Planning	2.0
Fire Effects: Insects and Pathogens	2.0
Fire Effects: Climate Change	1.0
Wrap-Up and Program Evaluation	1.0
Total Hours	36.0

FIRE ECOLOGY AND PRESCRIBED BURN

PROGRAM ORIENTATION

<u>Purpose</u>: Participants will meet one another and the program coordinator and facilitator. The group will share expectations for the training program. In addition, program content will be reviewed.

Performance Objectives: By the close of the session the participants will

- 1. Review program content, procedure, and evaluation processes.
- 2. Share and record expectations with group members.
- 3. Adhere to all Training Center guidelines.

FIRE CHEMISTRY AND FIRE PHYSICS

Purpose: To familiarize students with the basics of fire chemistry and physics.

Performance Objectives: By the close of the session the participants will

- 1. Identify the basic components of fire chemistry and fire physics.
- 2. Describe the processes of fire chemistry and fire physics.
- 3. Recognize the effects of fire chemistry and physics on fuels.

FIRE BEHAVIOR: FUELS

<u>Purpose</u>: To provide students a detailed understanding of the basic effects of different fuel types on fire behavior.

- 1. Recognize the potential effects of different fuel types on fire behavior.
- 2. Learn the effects of fuel characteristics on fire behavior.
- 3. Review expected fire behavior for differing fuel types.

FIRE ECOLOGY

Purpose: To provide students a basic understanding of fire ecology.

<u>Performance Objectives</u>: By the close of the session the participants will

- 1. Define-explain fire ecology.
- 2. Describe fire effects as an ecological process.
- 3. Understand ecological succession.
- 4. Understand the use of prescribed fire for ecological restoration.

FIRE REGIMES OF CALIFORNIA

<u>Purpose</u>: To provide students knowledge of the different fire regimes throughout California.

Performance Objectives: By the close of the session the participants will

- 1. Describe the fire regimes of California.
- 2. Discuss fire return intervals for different fire regimes.
- 3. Explain expected fire behavior in different fire regimes.
- 4. Understand the use of prescribed fire in various fire regimes.

FIRE EFFECTS: SOIL AND HYDROLOGY

<u>Purpose</u>: The students are introduced to effects that fire has on the physical and chemical attributes of mineral soil and the incorporated organic matter. Students will understand important effects of fire on the physical environment, specifically with regard to erosion and sedimentation, water quality and water yield.

- 1. Introduce factors affecting soil types and soil functions.
- 2. Describe soil processes which include: nutrient retention, heat flow, water flow, and infiltration, decomposition, and nutrient cycling.

- 3. Explain fire effects on soils and nutrients.
- 4. Provide an understanding of basic hydrologic processes.
- 5. Describe potential fire effects on erosion and sedimentation processes.
- 6. Describe potential fire effects on water quality and water yield.

FIRE EFFECTS: AQUATIC SYSTEMS

<u>Purpose</u>: To introduce students to fire effects on aquatic ecosystem structure, fire effects on riparian and aquatic plant life. And to introduce fire effects on fish and other aquatic ecosystem dependent species.

Performance Objectives: By the close of the session the participants will

- 1. Describe ecological process of aquatic habitats in relation to fire.
- 2. Identify fire effects on aquatic dependent flora and fauna.
- 3. Provide an understanding of prescribed fire management in the aquatic ecosystem.

FIRE EFFECTS: TERRESTRIAL WILDLIFE

<u>Purpose</u>: Provide students an understanding of the direct and indirect impacts of fire on terrestrial wildlife species and their habitat.

Performance Objectives: By the close of the session the participants will

- 1. Recognize potential impacts of fire on habitat.
- 2. Understand fire effects on forage, cover, and breeding efforts.
- 3. Learn the effects of habitat change on terrestrial species recovery.

FIRE EFFECTS: GRASSLANDS AND OAK WOODLANDS

<u>Purpose</u>: Introduce students to the changes that occur in grasslands and oak woodlands after fire.

- 1. Introduce grasslands and oak woodlands communities.
- 2. Describe grasslands and oak woodlands as a fuel type.
- 3. Understand response of grasslands and oak woodlands to fire.

FIRE EFFECTS: SHRUB COMMUNITIES

<u>Purpose</u>: Introduce students to the changes that occur to shrub communities in response to fire.

Performance Objectives: By the close of the session the participants will

- 1. Introduction to shrub and chaparral communities.
- 2. Describe shrub and chaparral communities as fuel types.
- 3. Understand response of shrub and chaparral communities to fire.

FIRE EFFECTS: NONNATIVE PLANTS

<u>Purpose</u>: Students will learn the response of nonnative plants to fire and the use of prescribed fire in controlling nonnative species.

<u>Performance Objectives</u>: By the close of the session the participants will

- 1. Learn the effects of fire on non-native plants.
- 2. Describe post fire nonnative plant succession.
- 3. Understand the use of prescribed fire in non-native plant control.

FIRE EFFECTS: CALIFORNIA FORESTS

<u>Purpose</u>: Students will gain an understanding of the effects of fire on forested environments.

- 1. Introduce forest regions and types of California.
- 2. Discuss the dependent factors of fire effects on coniferous forests.
- 3. Explain general and specific effects of fire on coniferous forests of California.

FIRE EFFECTS: AIR QUALITY

<u>Purpose</u>: To provide students a basic understanding of pollutants generated by prescribed fire and their impacts on health and the environment. To provide knowledge regarding interaction with regional air quality boards and prescribed burn reporting.

Performance Objectives: By the close of the session the participants will

- 1. Introduce the composition of smoke from fire.
- 2. Describe gaseous emissions from fire.
- 3. Provide information on the effects of smoke.
- 4. Describe the variables that influence smoke production and dispersion.
- 5. Provide information regarding regional air quality boards and reporting.

PRESCRIBED FIRE: DPR PROGRAM

Purpose: To introduce and update students regarding the State Parks Burn program.

<u>Performance Objectives</u>: By the close of the session the participants will

- 1. Outline the State Parks Burn Program structure.
- 2. Describe State Parks Burn Program objectives.
- 3. Outline State Parks Burn Program training requirements.

PANEL: PRESCRIBED FIRE AND CURRENT ISSUES

<u>Purpose</u>: To provide students an understanding of the issues facing the use of prescribed fire as a management tool.

- 1. Discuss current use of prescribed fire as a management tool statewide.
- 2. Discuss current issues and challenges in the use of prescribed fire statewide.

NATIVE AMERICAN USES OF FIRE

<u>Purpose</u>: To introduce students to the use of fire by Native Americans in pre-settlement California.

Performance Objectives: By the close of the session the participants will

- 1. Introduce the historical aspect of Native American use of fire.
- 2. Describe the reasons for Native American Use of fire.
- 3. Outline the benefits and return intervals of fire use by Native Americans.

FIRE EFFECTS: CULTURAL RESOURCES

<u>Purpose</u>: To provide students and understanding that fire can severely damage cultural resources and their need for protection.

<u>Performance Objectives</u>: By the close of the session the participants will

- 1. Identify cultural resources and sensitivity to fire.
- 2. Describe effects of fire and fire suppression to cultural resources.
- 3. Outline fire protection methods for cultural resources.

PRESCRIBED FIRE: HISTORY AND CURRENT USE

<u>Purpose</u>: To provide students a historical and current view into the use of prescribed fire as a management tool.

- 1. Describe the history of prescribed fire management.
- 2. Outline the current use of prescribed fire.
- 3. Discuss the future use of prescribed burning.

PRESCRIBED FIRE: TOOLS AND TECHNIQUES

<u>Purpose</u>: Students will learn the basic tools and techniques using prescribed fire for different vegetation types and desired results.

Performance Objectives: By the close of the session the participants will

- 1. Describe different tools used for prescribed fire.
- 2. Describe the different techniques used in prescribed burning.
- 3. Discuss the use of tools and techniques and their effect on the desired results of prescribed burning.

PRESCRIBED FIRE PLANNING

Purpose: To introduce all aspects of prescribed fire planning.

<u>Performance Objectives</u>: By the close of the session the participants will

- 1. Understand when and what to burn.
- 2. Outline duty of Burn Boss.
- 3. Outline planning steps and burn plan content.
- 4. Provide advice and insight to getting a burn plan approved.

FIRE EFFECTS: INSECTS AND PATHOGENS

<u>Purpose</u>: To introduce students to the major forest pests and pest management. Provide students a basic understanding of the response of major forest pests to fire.

Performance Objectives:

- 1. Describe the major forest pests and their biology.
- 2. Explain current forest pest management and options.
- 3. Demonstrate, via a scientific research project, the effects of prescribed fire and mechanical thinning on forest pests.

FIRE EFFECTS: CLIMATE CHANGE

<u>Purpose</u>: To introduce students to the relationship between fire and climate change.

Performance Objectives:

- 1. Describe atmospheric greenhouse gas effects.
- 2. Introduce students to albedo effects
- 3. Discuss greenhouse gas effects on forest and fuels management

WRAP-UP AND COURSE EVALUATION

<u>Purpose</u>: Review of week's course and provide the students an opportunity to ask follow up questions. Students will also evaluate the course during this time.

- 1. To highlight points from previous sections.
- 2. Provide an opportunity for follow up questions and clarification.
- 3. Provide time to evaluate the course.

