

Landscape Restoration Team

Meeting 41

March 12, 2014



LR Team Agenda – Meeting 41

1. Welcome 11:30-11:40
2. About the Landscape Restoration Team 11:40-11:50
3. Adaptive Management document discussion – do we want to publish it as a stand-alone CFRI whitepaper? (Greg Aplet, TWS, Rob Addington CFRI) 11:50-12:10
4. National Indicators (Hal Gibbs and Mark Martin, USFS) 12:10-12:40
5. Update from the Understory sub-team (Paula Fornwalt, USFS) 12:40-1:00
6. Discuss “Forest Monitoring Science” from the SAF conference in Salt Lake. Do we want to submit papers from our CFLR group: ecological monitoring, social monitoring and adaptive management or roll them all into one (Hal Gibbs, USFS) 1:00-1:30
7. Executive Team liaison, Calendar, review past action items and plan next meeting’s agenda 1:30-2:00



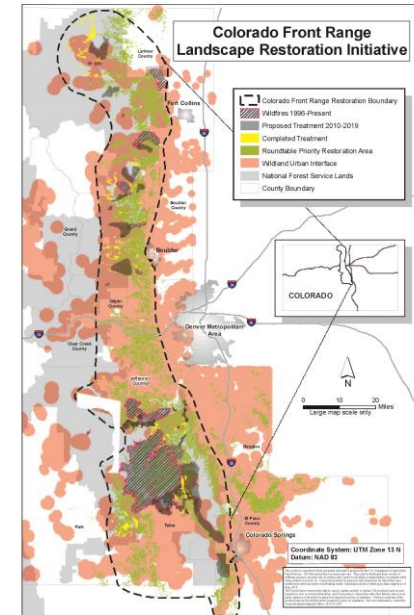
Project Outline: Landscape Restoration Team

Team Name: Landscape Restoration Team	Timeline Oct. 2010 to 2025	Sponsors Front Range Roundtable
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CY 2014 Goals	<ol style="list-style-type: none"> 1. Gather, analyze, and evaluate CFLR monitoring data in order to report to the Roundtable and Congress on whether forest treatments are trending towards desired conditions. 2. Gather, analyze, and evaluate new science and research methods to refine definitions of desired conditions 3. Implement Upper Monument Creek project as a model for collaborative forest treatment planning and implementation; identify similar opportunities for collaborative implementation planning on the AR
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Why this? Why now?

- **Situation:**
 - The Collaborative Forest Landscape Restoration Act was established under Title IV of Omnibus Public Land Management Act of 2009 to encourage collaborative, science-based ecosystem restoration of priority forest landscapes. It authorizes: requests of up to \$40 million annually through 2019; CFLR may pay for up to 50% of the proposed costs (applicant must find the other 50%); up to \$4 million annually for any one project; up to 2 projects per year in any one FS region; and up to 10 projects per year nationally. CFLR funds may only be used on National Forest System lands for implementation and monitoring (not planning); for ecological restoration treatments only (not fire mitigation without restoration), and for up to 10 fiscal years on any one project.
 - Based on the Roundtable's 2006 vision and strategy, in May 2010, the Arapaho-Roosevelt and Pike-San Isabel National Forests, with the help of the Nature Conservancy, submitted a winning proposal under the Collaborative Forest Landscape Restoration Program (CFLRP), and has since received an additional \$1 million for Front Range National Forests in FY10, \$3.4 million in FY11, \$3.1 million in FY12, \$3.8 million for FY13, and \$X million in FY14 (with the possibility of further allocations for up to 10 years to implement ecological restoration on 31,600 acres of Lower Montane forests (3,400 acres per year for last 9 years, 1000 acres for first year).
- **Complication:** The CFLRP grant required that the Roundtable form a multi-party monitoring group to plan, implement, and report the results of collaborative monitoring of the use of CFLRP funds for 15 years. Monitoring is to include ecological¹, social, and economic monitoring. In developing the monitoring plan, the Roundtable learned that target metrics for desired conditions don't exist.
- **Resolution:** The Front Range CFLRP Monitoring Group was formed on October 15, 2010 to collaboratively develop a monitoring plan for the CFLRP projects, plan future collaborative implementation of the CFLRP, and launch science and research efforts to help define desired conditions.



Scope

1. Includes work done by sub-teams: Social & Economic Monitoring Team (Kathie), Wildlife Team (Rick & Lynne), Understory Team (Paula), Upper Monument Creek (Paige); Spatial Heterogeneity Team (Yvette); Stand Reconstruction Team (Peter); LCC Monitoring (Jenny, closed); Operationalizing Adaptive Management Team (Rob); GTR Team (Rob); AR South Zone project (Mark)
2. This LR team is currently only focused on topics related to CFLRP

CY 2014 Deliverables

1. Regular meetings: meet in person every other month with phone calls the other months, working around Roundtable meetings (prep meetings); in summer skip meetings for field trips; let the agenda items drive the decision about in-person or webmeeting
2. Summer field trips (end of June / early July)
3. Project outlines for each subteam that feeds into the LR team
4. National indicators reporting (Nov. 15, 2014; week prior to Region)
5. Report to Roundtable (August 29, 2014)
6. Reports from Heterogeneity Team and Upper Monument Creek on desired conditions
7. Landscape identified in the AR for collaborative planning and implementation (possibly Gilpin, Clear Creek or Boulder Counties)

Landscape Restoration Team: Near Term High Level Work Plan

Mar 8, 2013: Q1 Roundtable meeting

May 31, 2013: Q2 Roundtable meeting

Sept 13, 2013: Q3 Roundtable meeting

Nov. 22, 2013: Q4 Roundtable meeting

Jan-Mar, 2013

Apr-Jun, 2013

Jul-Sep, 2013

Oct 2013 – March 2014

Jan. 9, 2013: Report on results from historic reconstruction research at Hall & Heil Ranches

April-Dec: Reviewing data in order to eventually agree on extent to which CFLR treatments from 2011 and 2012 are on trend towards meeting objectives

Jan. 9 – Feb. 13, 2013: Agree on recommendations to Roundtable on adaptive management process

April:
Review GTR PPT

May - July: Define assumptions and uncertainties in CFLR project

Sept – Oct: Flood and Gov't shutdown

Nov 13: Devote monthly meeting to national indicators

Jan 15: Report on new LCC Monitoring findings?

Feb 19-20: Hold field trips to Long John & Waldo (UMC)

Feb-May: Plan ARP and PSI field trip sites

July 9 (AR), & 11 (PSI): Hold field trips to ARP treatment sites

Nov 13: Report on 2012 social & economic monitoring

Jan 15: Report on spatial heterogeneity

March 2014: Review GTR draft

Nov. 13: Form a CSE Report sub-team to agree on a standard report and methods

Dec 11: Update from Wildlife team

March 13: Report on LCC monitoring results

May 31, 2013: Propose recommendations to Roundtable on adaptive management process

March 13: Report on CSE results

April-May: Write more detailed description of adaptive management process

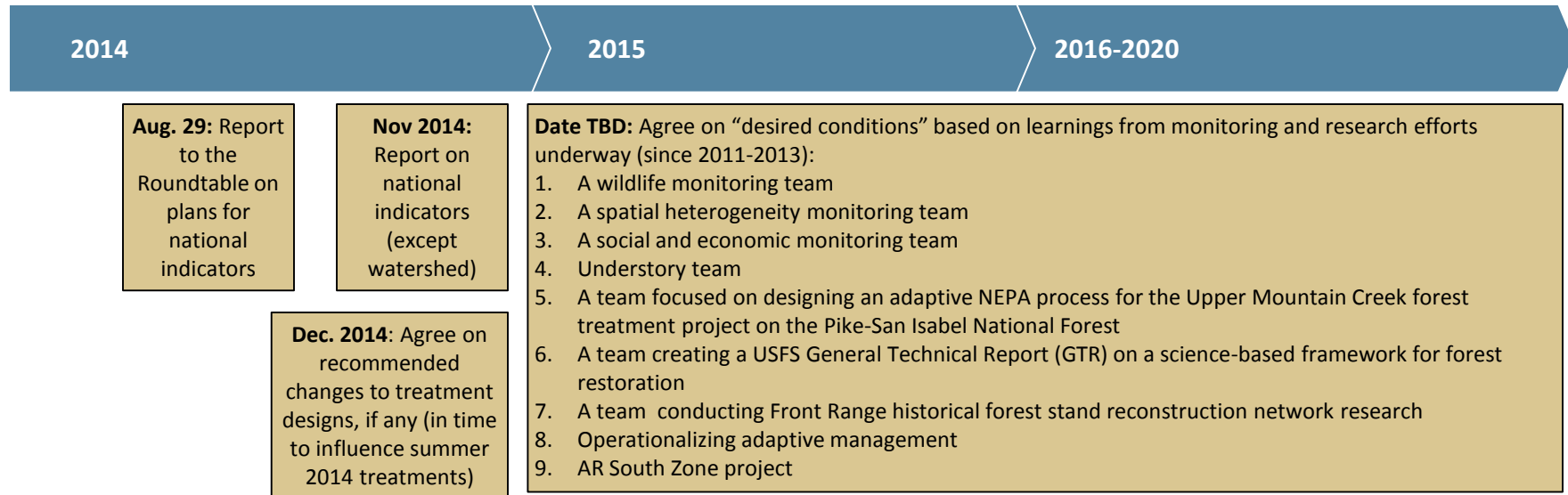
Sept 11: Decide if adaptive management model ready for publishing as addendum to CFLR Monitoring Plan






April-Sept: Apply adaptive management process to UMC (and working through all the other subgroups listed under scope)

- Deliverable or decision point
- Completed
- On track
- Needs attention
- Tentative



Landscape Restoration Team: Long Term High Level Work Plan



-  Deliverable or decision point
-  Completed
-  On track
-  Needs attention
-  Tentative



LR Team Next Steps from the 3-12-14 meeting

- **Terra:**

- Send each team leader the planning outline and ask them to fill in
- Send out a vote to whole team to ask if they want one AM model (Peter's version) or keep them separate (show Rob's PDF version)

ADAPTIVE MANAGEMENT MODEL AND PAPER

- **Peter:** (if decision is made to combine into one AM model)

- Add legend to explain colors on AM model
- Add animation to PPT slide?

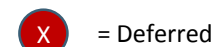
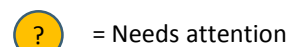
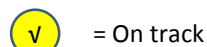
- **Greg:** do final review of AM paper; make changes to make it clear that the AM model is the guiding framework for how to do restoration in the Front Range (change title and areas of the document where needed: "this is our process for collaborative implementation of forest restoration on the Front Range and we are following an adaptive management process for doing it")– March 31

- **Rob:**

- Add to OAM deliverables an "addendum to the CFLR monitoring plan" that outlines for practitioners how to do Adaptive Management: Need instructions (calendar) on how to implement adaptive management: every [month] this should be done, and every [different month] that will be done. Include national indicators timeline and other reporting timelines. This is what the OAM team is going to do.
- Insert pictures, citations, etc. to AM paper, then send to team for additional review – April 12
- When AM paper "done", send to Terra to post on website and print some hard copies for distribution at 8/29 RT meeting

- **Peter:** do final review of AM paper – May 12

- **Terra:** final proofread of AM paper – June 12



LR Team Next Steps from the 3-12-14 meeting

NATIONAL INDICATORS

- **Mark:**
 - Revise GIS results to break out National Forest land from all lands
 - Verify data on red/blue map with PSI and district folks
 - For blue units, identify the HUC-6 codes associated with those units

UNDERSTORY TEAM

- Paula:
 - Create low/moderate/high options for the understory monitoring plan – meeting scheduled for 3/18
 - Meet with the team in March then regroup with Hal and Sara regarding budget – 4/2
 - Send Brett Wolk the CSE protocol and data
- Terra: document team members in membership database; start a new page for the understory team

SAF CONFERENCE

- Yvette:
 - Send around abstracts again

EXECUTIVE TEAM

- Sara: Give Erin Conneley heads up about Roundtable
- Gali: Ask Glenn to recruit Erin Connley to Executive Team
- Gali: Ask Greg & Casey if they are willing to be considered for Executive Team



= Completed



= On track

Front Range Roundtable

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= Needs attention




= Deferred

LR Team Next Steps from the 2-12-14 meeting


National indicators:

-  **Jeff:** talk to Lauren (WO) about need for qualitative assessments in national indicators (consider writing preamble about “what’s going on” in terms of our data collection and research before national indicators results), by March 12 (Jeff can bring up on conf call he sits on for Jim Thinnes – Hal & Sara should sit in on next call) 3/12: Lauren out of office for next 3 weeks
- Rob:** run FVS model to show if fire regime likely to have been changed (using CSE data pre- and post), by May 12, maybe 4/22 (Jam session)
-  **Mark:** take over from Hal on redefining CFLR project-level “HUC 6” (Mary producing – in progress); Hal needs to talk to Mary about the methods; also continue working with Mary on redefining landscape-level by focusing only on PP/MC (discuss with Hal), by March 12
-  **Hal:** set up meeting with Mary to talk about watershed analysis, by Feb 19
-  **Hal:** Send Terra the additional National Indicators document to post to website.
-  **Rob:** look into who can do FLAMMAP modeling for us, by March 12, maybe Meg Matonis; need to figure out best path, will do at Jam sess.


Wildlife Team

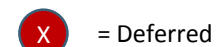
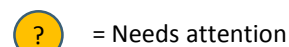
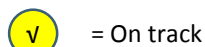
- Sara:** discuss with **Hal, Mark, and Jeff** what the total CFLR monitoring budget can be and what might be the available budget for wildlife monitoring (after final CFLR money allocated), by April 12
- Lynne:** use \$100k ballpark estimate to begin writing agreement with RMBO, talk through scenarios with RMBO, give heads up that final budget won’t be known until after April 12
-  **Rob:** Ask Tony about potential for any changes to summer field work on understory monitoring by March 12

OAM Team

-  **Rob:** Schedule jam session, possibly focusing on CSE data for this year, set a date for April by March 12

General

-  **Terra:** ask Paige if she can do the 3/12 gotomeeting for updates on UFC and UMC, add to March agenda: national indicators, understory update (Terra to check with Paula on if she’s ready to present in march, and if so we need to meet in person); also discuss future of AM diagram paper (will present at 4/11 Roundtable)



LR Team Next Steps from the 1-23-14 meeting

1. **Paula:**
 - ✓ a. Schedule the next understory team meeting before the next LR meeting on 2/12 (meetings ~2 times/month at this point)
 - ✓ b. Send Terra team member list
 - ✓ c. Send meeting notes to the team
 - ✓ d. Send any meeting materials from today's meeting to Terra to post to website
2. ✓ **Hal:** Estimate acres of PP in CFLR landscape; figure out what watershed boundaries encompass the project area and how many acres that is (use HUC-6, same as Spatial Heterogeneity team) – February meeting?
3. ✓ **Mark:** Please check with Hal on above next step
4. **Rob:**
 - ⚠ a. Finish compiling outcomes for the “operationalizing adaptive management” report
 - ✓ b. Send outcomes to the LR team before the next meeting
 - ✓ c. Facilitate discussion, and decide whether to make the AM paper and addendum to the CFLR monitoring report, or a stand alone report
 - ✓ d. Send any meeting materials to Terra to post to website
5. ⚠ **Jenny:** Keep working on LCC report; send final report to the LR team
6. ✓ **Jvette:** Send spatial heterogeneity presentation from today's meeting to Terra to post to website
7. **Terra:**
 - ✓ a. Post 1/23/14 meeting materials to the LR page of the website
 - ✓ b. Make the 3/12 meeting a phone meeting; cancel JeffCo meeting space
 - ✓ c. Confirm speakers for the February in person meeting, March phone meeting, and April in person meeting
 - ✓ d. Change the April meeting from 4/9 to 4/2
 - ✓ e. Update calendar slide for LR team



✓ = Completed

⚠ = On track

Front Range Roundtable










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⚠ = Needs attention




9

✗ = Deferred

LR Team Next Steps from the 12-11-13 meeting

1.  **Paula:** Schedule meeting with Claudia, Hal, Steve Olson, Steve Popovich to Identify possible team members and scope of work for understory team
2. **Hal:**
 -  a. Talk to Steve Popovich about understory team launch.
 -  b. Update the Colorado's Fire Season slide for our About the Roundtable presentation (slide copied on next page).
 -  c. Update CFLR dollar amount received for 2013 for our Progress Towards the Roundtable Vision slide (slide pasted here for your reference).
3.  **Jeff:** Talk to Steve Olson about understory team launch, Let Sara know too
4.  **Rob:** Talk to Tony about if CFRI can offer capacity to understory team
5.  **Greg:** We did not get to discuss this today, but can you please turn the AM paper into an “addendum to the CFLR monitoring plan” that we can post to the website? That is the last step on this effort (other than your team’s effort to publish a peer-reviewed article)
6. **Terra:**
 -  a. Post the attached documents to the LR page as meeting materials for today’s meeting
 -  b. Move 1/15 LR meeting to 1/23 (Thursday) – check with Yvette, Jenny, Jonas that they can present that day; change room reservation to 1/23
 - c. Ask Paige if she can present on UFCWRP on January 23 (also ask if there is someone else from TNC that can start regularly attending LR meetings now that Mike is retiring)
 - d. Ask Kathie to send the S-E monitoring results for 2012 to post on website
 - e. When Rob sends you 2012 CSE monitoring results, post to website
 - f. Ask Jenny for 2011 LCC monitoring results for posting on website
 - g. Check with Peter on if he loaded the movie he wants to show on 1/10 on the FTP site (and if so, let Gali know to download it to her laptop)
 - h. Create new calendar slide for LR team
 - i. Note: you do not need to update the XLS work plan – I am finding that keeping the PPT slides of next steps per meeting in the meeting document itself is working well as a tracking system (and reducing work)

Here are the previous next steps from the Nov meeting that are still open:

1.  **Rob:** schedule and hold organizing meeting of the “operationalizing adaptive management” team to set goals and work plan – by Jan LR meeting
2.  **Hal:** Estimate acres of PP in CFLR landscape; figure out what watershed boundaries encompass the project area and how many acres that is (use HUC-6, same as Spatial Heterogeneity team) – Jan meeting
3.  **Peter:** Put on FTP site the movie you want to show at the 1/10 RT meeting



= Completed



= On track



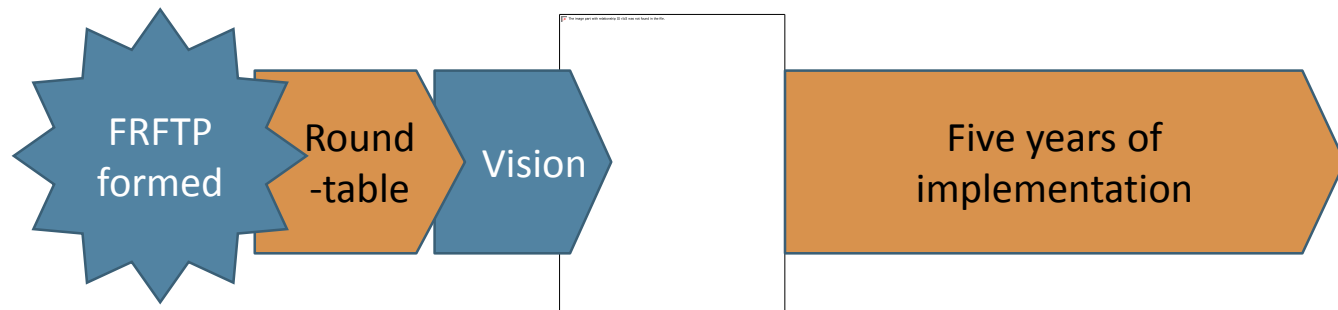
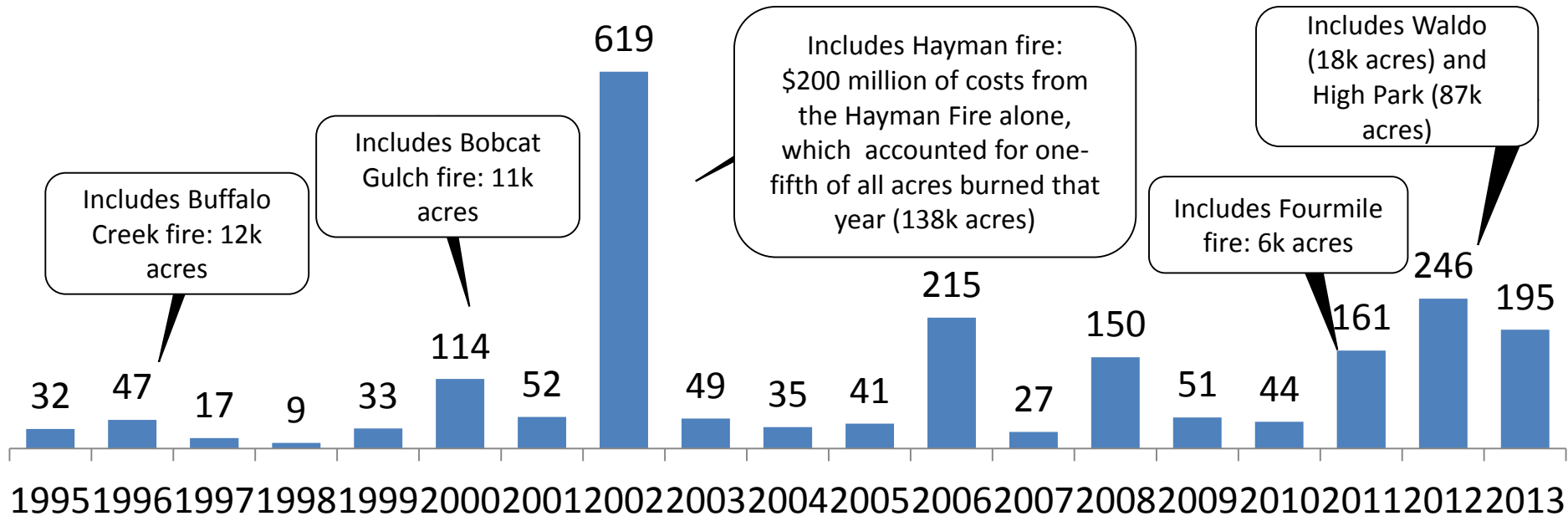
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Colorado's Fire Seasons

Thousands of acres of wildfire per year (Total = 1.9 million acres of wildfire since 1995)



Sources: 1995 – 2010: Rocky Mountain Area and Coordination Center Annual Activity Report (2001-2004); Wildland Fire Activity by Cause, Combining Federal and Non-federal Agencies Within Each State (www.fs.fed.us/r2/fire/oo_annual_report.pdf); 2011 – 2012: http://www.nifc.gov/fireInfo/fireInfo_statistics.html



Progress Towards the Roundtable Vision

Direct Roundtable Successes

1. Launched the self-sustaining **Woodland Park Healthy Forest Initiative (WPHFI)** with seed funds of \$75,000 provided by Roundtable members and partners, which the WPHFI leveraged into an additional \$175,000 in other funding
2. Helped submit a winning proposal to the **Collaborative Forest Landscape Restoration Program (CFLRP)** for an additional \$1 million for Front Range National Forests in FY10, \$3.4 million in FY11, \$3.1 million in FY12, and \$3.8 million *allocated* for 2013.

Partners' successes consistent with recommendations

1. **Long term stewardships contracts:** Arapaho-Roosevelt and Pike-San Isabel (3,000 acres/yr for 10 years)
2. **Increased federal funding for on the ground treatments:** \$1.8 mm more in 2008 than in 2006; \$1 million in 2009 ARRA funds
3. **Biomass utilization:** bioheating in Gilpin, Boulder, and Park counties; planned in El Paso; 22 slash sites for private landowners across Front Range
4. **CWPPs:** 75 Front Range CWPPs approved (out of 151 completed in Colorado)
5. **Policies:** Passage of state legislation authorizing the creation of local Forest Improvement Districts



LR Meeting Planned Agenda Topics

April

1. Stand Reconstruction presentation (Peter Brown, RMTRR)
 2. Decide on Executive Team Liaison
 3. Decide on the AM model (one diagrams or two diagrams) (Greg, Peter, Rob)
 4. Plan summer field trips (Mark, Jeff)
 5. Update on OAM jam session (review agenda, structure)
 6. National indicators – look at new data /map (Mark)
 7. Understory team update (Paula)
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May

1. GTR draft report (Rob)



2014 Front Range Roundtable, LR & Wildlife Team Calendar

Red = changes

Team	Event	Location	Date	Time
Roundtable	Quarterly Meeting	Colorado Department of Wildlife - Colorado Springs	Friday, January 10, 2014	9-3:30
LR	LR Meeting 39	JeffCo Taj Bldg, 100 Jefferson County Pkwy, Golden	Thursday, January 23, 2014	10am - 3pm
WWT	Monthly Meeting	Colorado Department of Parks & Wildlife, 6060 Broadway, Denver	Tuesday, January 21, 2014	10am - 3pm
LR	LR Meeting 40	JeffCo Taj Bldg, 100 Jefferson County Pkwy, Golden	Wednesday, February 12, 2014	10am - 3pm
WWT	Monthly Meeting	GoTo Meeting	Tuesday, February 18, 2014	10am - 1pm
LR	LR Meeting 41	GoTo Meeting	Wednesday, March 12, 2014	11:30am-3pm
WWT	Monthly Meeting	USFS Regional Office, 740 Simms St. Golden	Tuesday, March 18, 2014	10am - 3pm
LR	LR Meeting 42	JeffCo Taj Bldg, 100 Jefferson County Pkwy, Golden	Wednesday, April 2, 2014	10am - 3pm
Roundtable	Quarterly Meeting	USGS, Lecture Hall, Building 25, Denver Federal Center	Friday, April 11, 2014	9-3:30
WWT	Monthly Meeting	USFS Regional Office, 740 Simms St. Golden	Tuesday, April 15, 2014	10am - 3pm
LR	LR Meeting 43	GoTo Meeting	Wednesday, May 14, 2014	11:30am-3pm
WWT	Monthly Meeting	USFS Regional Office, 740 Simms St. Golden	Tuesday, May 20, 2014	10am - 3pm
LR	LR Meeting 44	USFS-RO	Wednesday, June 11, 2014	10am - 3pm
WWT	Monthly Meeting	USFS Regional Office, 740 Simms St. Golden	Tuesday, June 17, 2014	10am - 3pm
LR	LR Meeting 45	GoTo Meeting	Wednesday, July 9, 2014	11:30am-3pm
LR	LR Meeting 46	JeffCo Taj Bldg, 100 Jefferson County Pkwy, Golden	Wednesday, August 13, 2014	10am - 3pm
Roundtable	Quarterly Meeting	TBD	Friday, August 29, 2014	9-3:30
LR	LR Meeting 47	GoTo Meeting	Wednesday, September 10, 2014	11:30am-3pm
LR	LR Meeting 48	USFS-RO	Wednesday, October 8, 2014	10am - 3pm
LR	LR Meeting 49	GoTo Meeting	Wednesday, November 12, 2014	11:30am-3pm
Roundtable	Quarterly Meeting	TBD	Friday, November 14, 2014	9-3:30
LR	LR Meeting 50	JeffCo Taj Bldg, 100 Jefferson County Pkwy, Golden	Wednesday, December 10, 2014	10am - 3pm