



**Logan Lake
Community Forest**
CORPORATION



June 14, 2019

How to Juggle Multiple Values and Mitigate Wildfire Threat

By Garnet Mierau, RPF

Thank you



British Columbia
**Community
Forest**
Association



Outline

- Who I am
- Who LLCF is
- What have we done
...and you can too
- What's next



Who I am





College & University





Garnet Mierau, RPF
1992 to Present



Ainsworth



Who LLCF is



Welcome to Logan Lake



Welcome to Logan Lake



How it all Started



Tom Lacey, RFT
Retired Fire Zone
Manager

2003

- BC wildfires were “big”
- Filmon Report (2004)
- Landscape level risk
- Time to get **FireSmart**





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How it all Started

2004 – **65** ha harvested

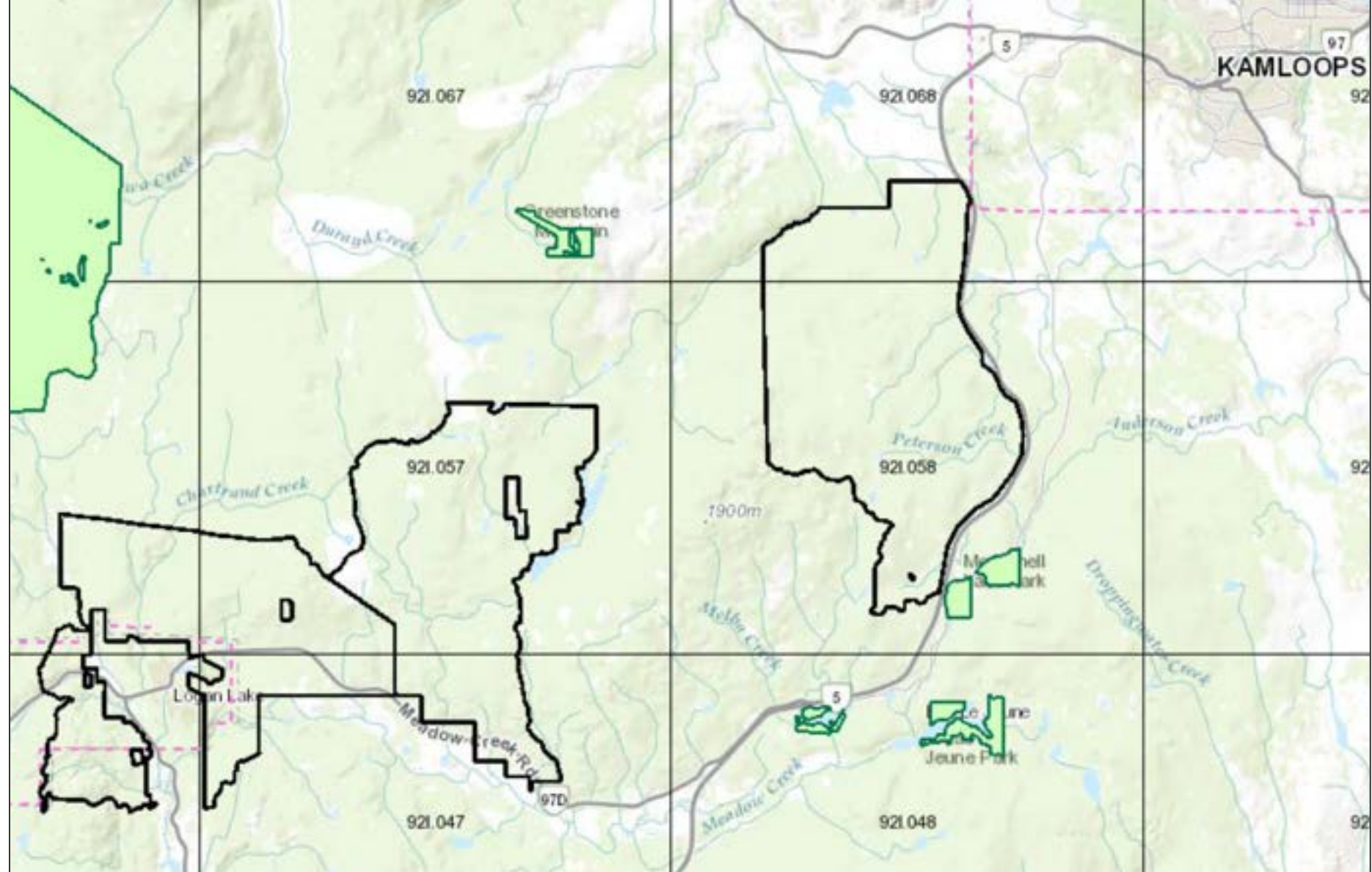
2005 – **115** ha harvested

Pilot for Community Forest



Incredible Wildfire Hazard

16,722ha



AAC 24,000 m³

Fd

Sx

BI

PI



It was **community safety** and the threat of **wildfire** that was the catalyst for Logan Lake to start a community forest.

**What have we done
...and you can too**



Association of B.C. Professional Foresters

CODE OF ETHICS

Association of B.C. Professional Foresters (the "Association") has been entrusted by society to protect its interest in the management of forest lands in British Columbia. Under the Foresters Act (R.S.B.C. 1979, c.141) the Association is charged with governing the conduct of its members and with the maintenance of high professional standards. The Foresters Act empowers the Association to prescribe a Code of Ethics (the "Code") demanding integrity, competence and fairness. Members are expected to practice good stewardship of forest lands. A forest is a dynamic ecosystem. Members understand that forest management involves decisions that affect this ecosystem and that forest land and resources must be managed on the basis of sound ecological principles. Such wise management will enable society to use and enjoy the full range of benefits from their forest resources.

The Association fosters good stewardship by maintaining high standards of admission, by advising and supporting its members who uphold this Code, by disciplining members whose professional performance is unsatisfactory, and by commenting, as appropriate, on forest policy and forest land management.

This Code is binding on all members of the Association however or wherever they may practice, and each member shall practice the profession accordingly.

Code

1. Professional Responsibility

- A member has responsibility to:
- the public;
 - the profession;
 - the client or the employer; and
 - other members.

2. Responsibility to the Public

- The responsibility of a member to the public is:
- to advocate and practice good stewardship of forest land based on sound ecological principles to sustain its ability to provide those values that have been assigned by society;
 - to uphold professional principles above the demands of employment;
 - where a member believes a practice is detrimental to good stewardship of forest land:
 - to advise the responsible person promptly and if the matter is not resolved, to inform Council immediately in writing of the particulars; or
 - if it is not possible to raise the matter with the responsible person or it is inappropriate in the circumstances to do so, to inform Council immediately in writing of the particulars;
 - to work to improve practices and policies affecting the stewardship of forest land;
 - to work to extend public knowledge of forestry, and to promote truthful and accurate statements on forestry matters;
 - to practice only in those fields where training and ability make the member professionally competent;
 - not to make misleading or exaggerated statements regarding the member's qualifications or experience;
 - to express a professional opinion only when it is founded on adequate knowledge and experience; and
 - to have proper regard in all work for the safety of others.

3. Responsibility to the Profession

- The responsibility of a member to the Profession is:
- to inspire confidence in the profession by maintaining high standards in conduct and daily work;
 - to contribute to the work of forestry societies and educational institutions and to advance scientific and professional knowledge;
 - where a member believes another member may be guilty of infamous or unprofessional conduct, conduct unbecoming a member, negligence or a breach of the Foresters Act or bylaws:
 - to raise the matter with that other member, and if the matter is not resolved, to inform Council immediately in writing of the particulars; or
 - if it is not possible to raise the matter with that other member or it is inappropriate in the circumstances to do so, to inform Council immediately in writing of the particulars;

4. Responsibility to the Client or Employer

- The responsibility of a member to the Client or Employer is:
- to act conscientiously and diligently in providing professional services;
 - not to disclose confidential information without the consent of the client or employer except as required by law;
 - to obtain a clear understanding of the client's or employer's objectives;
 - to accept only those assignments for which the member is qualified or seek assistance from knowledgeable peers or specialists whenever a field of practice is outside the member's competence;
 - to inform the client or employer of any action planned or undertaken by the client or employer that a member believes is detrimental to good stewardship of forest land;
 - to refuse any assignment that creates a conflict of interest; and
 - not to accept compensation from more than one employer or client for the same work, without the consent of all.

5. Responsibility to Other Members

- The responsibility of a member to other members is:
- to abstain from undignified public communication with another member;
 - not to unfairly criticize the work of other members or attempt to injure the professional reputation or business of another member;
 - to provide opportunity for the professional development and advancement of other members in the member's employ or supervision;
 - to give credit for professional work to whom the credit is due; and
 - to share knowledge and experience with other members.

6. Penalties

- A member who violates this Code may be subject to one or more of the following:
- imposition of a reprimand;
 - suspension from membership;
 - expulsion from membership;
 - imposition of conditions upon the continuance of the member's membership;
 - imposition of a fine payable to the Association of not more than \$10,000;
 - imposition of costs against the member.

7. Other Duties

This Code of Ethics does not deny the existence of other important duties which are not specifically mentioned.

January 15, 1993



Code

1. Professional Responsibility

A member has responsibility to:

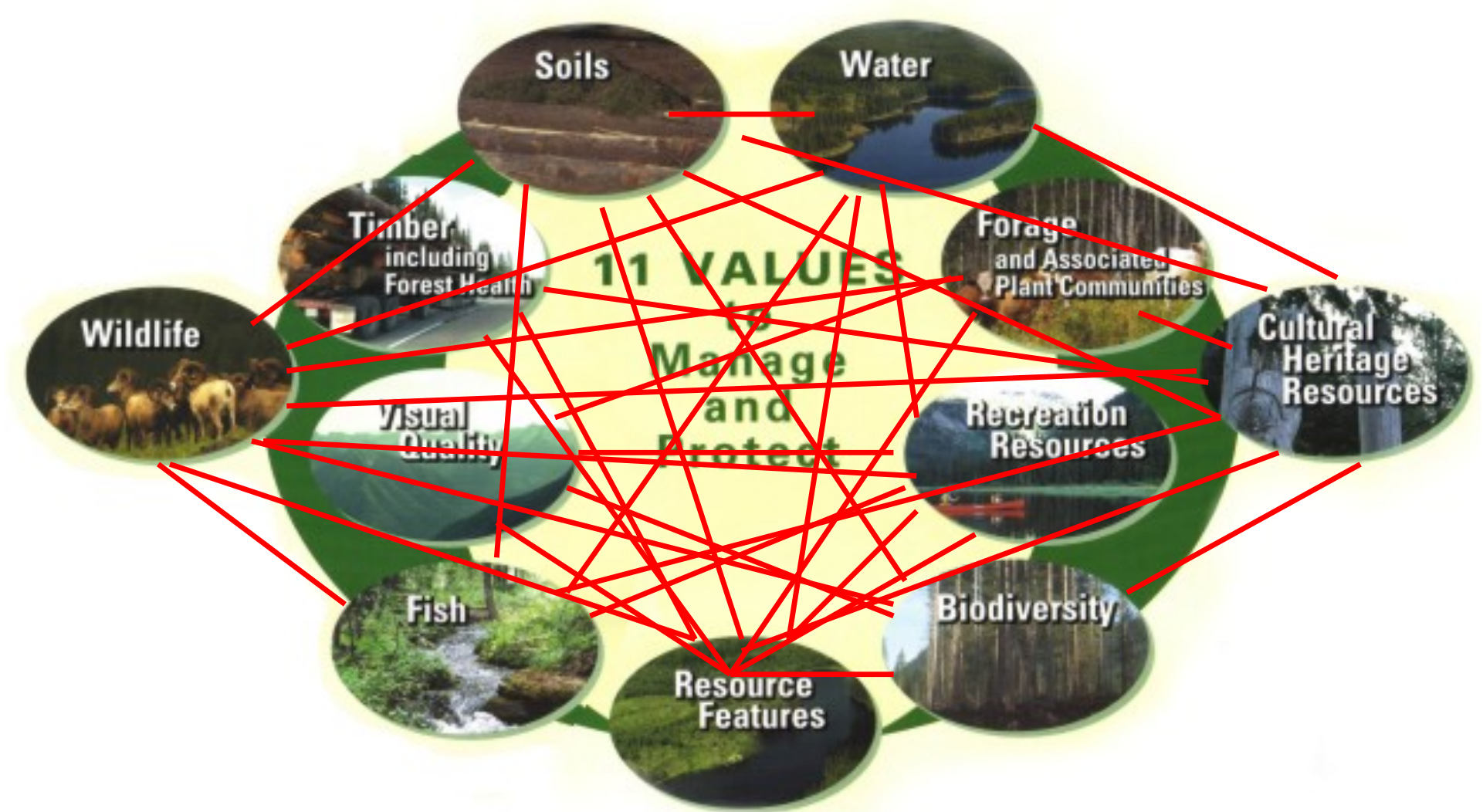
- the public;
- the profession;
- the client or the employer; and
- other members.



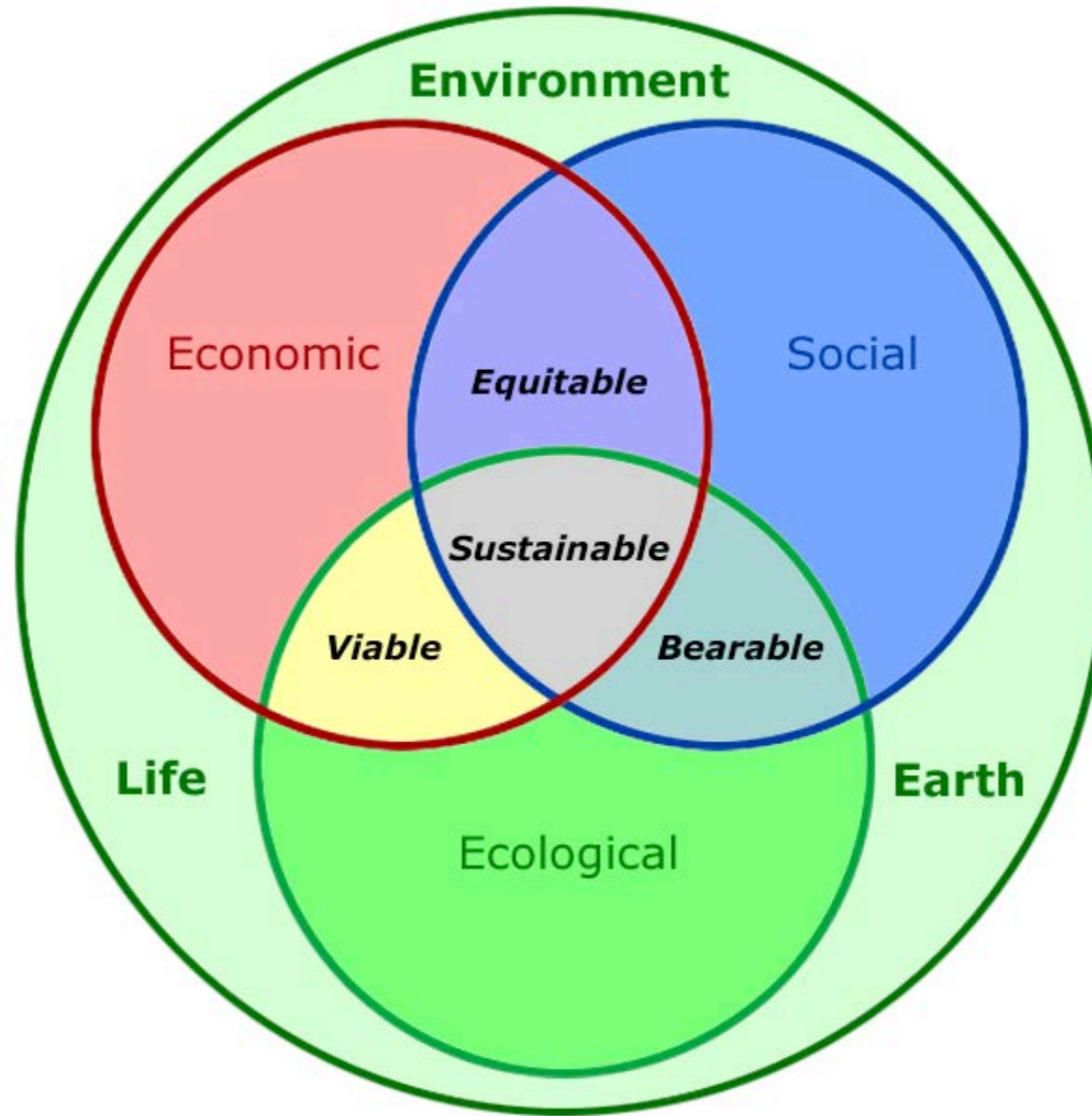
What we have done



What we have done



Legal
FRPA
11 Values



Non Legal

Legal
FRPA
11 Values



Non Legal



Meet my Logan Lake Community Forest Team



Mayor

Councilors

Board of Directors

Management



LLCF Board of Directors Meetings

...and no one is bored!



Agency & Board Field Trips

...and no one is bored!





Input to Provincial Review

Fire Chief Dan Leighton
Chief Maureen Chapman
Hon. George Abbott





Thank you

UBCM

Union of BC
Municipalities

Programs

- **SWPI**
- **CRI**
- **\$250,000/ yr**
- **50ha/ yr**

Professional Standards



Professional Standards

District of Logan Lake – Wildfire Threat Assessment Pictures – Plot 100



Photo 100-1 @ 40 degrees

WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

Plot #: 100
Assessor: B. Manna
Date: April 13/16
Photos: 100-1, 100-2, 100-3, 100-4, 100-5, 100-6, 100-7, 100-8, 100-9, 100-10, 100-11, 100-12, 100-13, 100-14, 100-15, 100-16, 100-17, 100-18, 100-19, 100-20, 100-21, 100-22, 100-23, 100-24, 100-25, 100-26, 100-27, 100-28, 100-29, 100-30, 100-31, 100-32, 100-33, 100-34, 100-35, 100-36, 100-37, 100-38, 100-39, 100-40, 100-41, 100-42, 100-43, 100-44, 100-45, 100-46, 100-47, 100-48, 100-49, 100-50, 100-51, 100-52, 100-53, 100-54, 100-55, 100-56, 100-57, 100-58, 100-59, 100-60, 100-61, 100-62, 100-63, 100-64, 100-65, 100-66, 100-67, 100-68, 100-69, 100-70, 100-71, 100-72, 100-73, 100-74, 100-75, 100-76, 100-77, 100-78, 100-79, 100-80, 100-81, 100-82, 100-83, 100-84, 100-85, 100-86, 100-87, 100-88, 100-89, 100-90, 100-91, 100-92, 100-93, 100-94, 100-95, 100-96, 100-97, 100-98, 100-99, 100-100

Community: Logan Lake
Geographic Location/Street Name: N 50 30' 16" W 120° 49' 50.6"
Land Ownership: ☒ Crown ☐ Private ☐ I.R.
Other (Specify): 1090m

Fuel	LEVELS				
	A	B	C	D	E
1 Duff Depth and Moisture Regime (cm)	7-12 3	2-5 Dry 1 Wet 1	5-10 Dry 2 Wet 2	10-20 Dry 4 Wet 4	>20 Dry 10 Wet 5
2 Surface Fuel Continuity (% cover)	<20 0	20-40 2	41-60 3	61-80 4	>80 5
3 Vegetation Fuel Composition	Moss, Herbs, Irrigated Crops, Low Flammability Weeds 1	Herbs, Deciduous Shrubs 2	Lichen, Conifer Shrubs 3	Pinegrass 4	Sagebrush, Buckbrush, Asteroid, Scotch Broom 5
4 Fine Woody Debris Continuity (<1cm) (% cover)	<1 coverage 1	Scattered, <10 coverage 5	10-25 coverage 7	>25 coverage, not elevated 10	>25 coverage, partially elevated 10
5 Large Woody Debris Continuity (>1cm) (% cover)	<1 coverage 1	Scattered, <10 coverage 5	10-25 coverage 7	>25 coverage, not elevated 10	>25 coverage, partially elevated 10
6 Live and Dead Coniferous Crown Closure (%)	<20 2	21-40 5	41-60 10	61-80 15	>80 20
7 Live Deciduous Crown Closure (%)	<20 2	21-40 5	41-60 10	61-80 15	>80 20

Professional Standards





Quality Contractors



Mechanical Treatment



Thank you



Canada



*Funding provided by the Government of Canada through
the Canada-British Columbia Workforce Development Agreement.*

High School FireSmart Crew



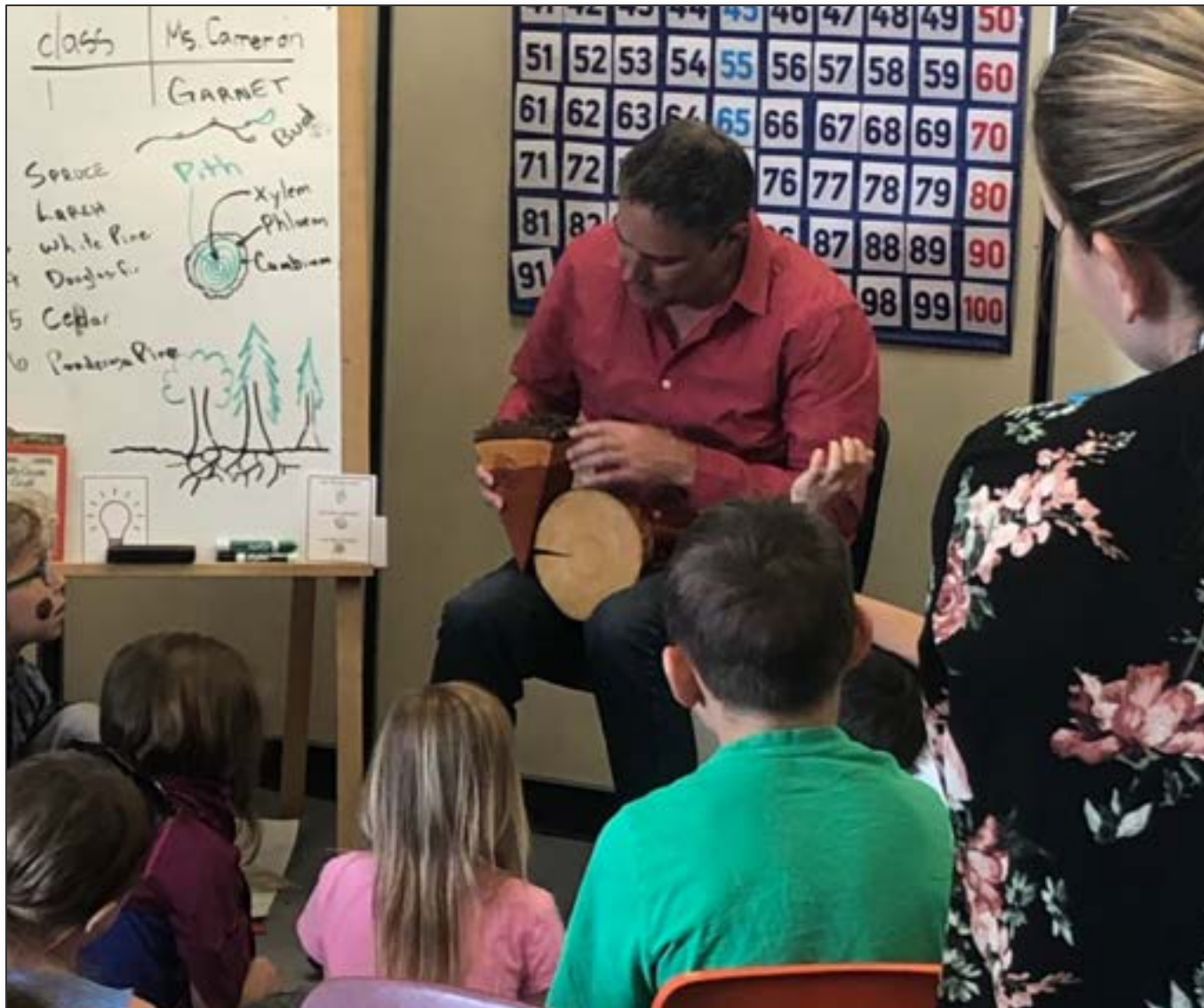
Local Media coverage



Does it work?

Hell Ya!!





School Outreach

AKA

**FireSmart Crew
Recruitment**

FireSmart Burn Crew







UBC Faculty Tour & Research



"And see this ring right here, Jimmy? ... That's another time when the old fellow miraculously survived some big forest fire."

CF Managers...
Go talk to Sarah!





High School Bursaries

Heavy Metal Rocks Program



First Nation Relationships and Agreements

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TSA Steering Committee Field Trip





**Other Values are
Important too!**



Other Values are Important too!



Thank you



ATV Trail Upgrades

BC Rural Dividend

Big opportunities for small communities.

ATV Trail Enhancements



Recreational Trails



Recreational User Group Field Trip



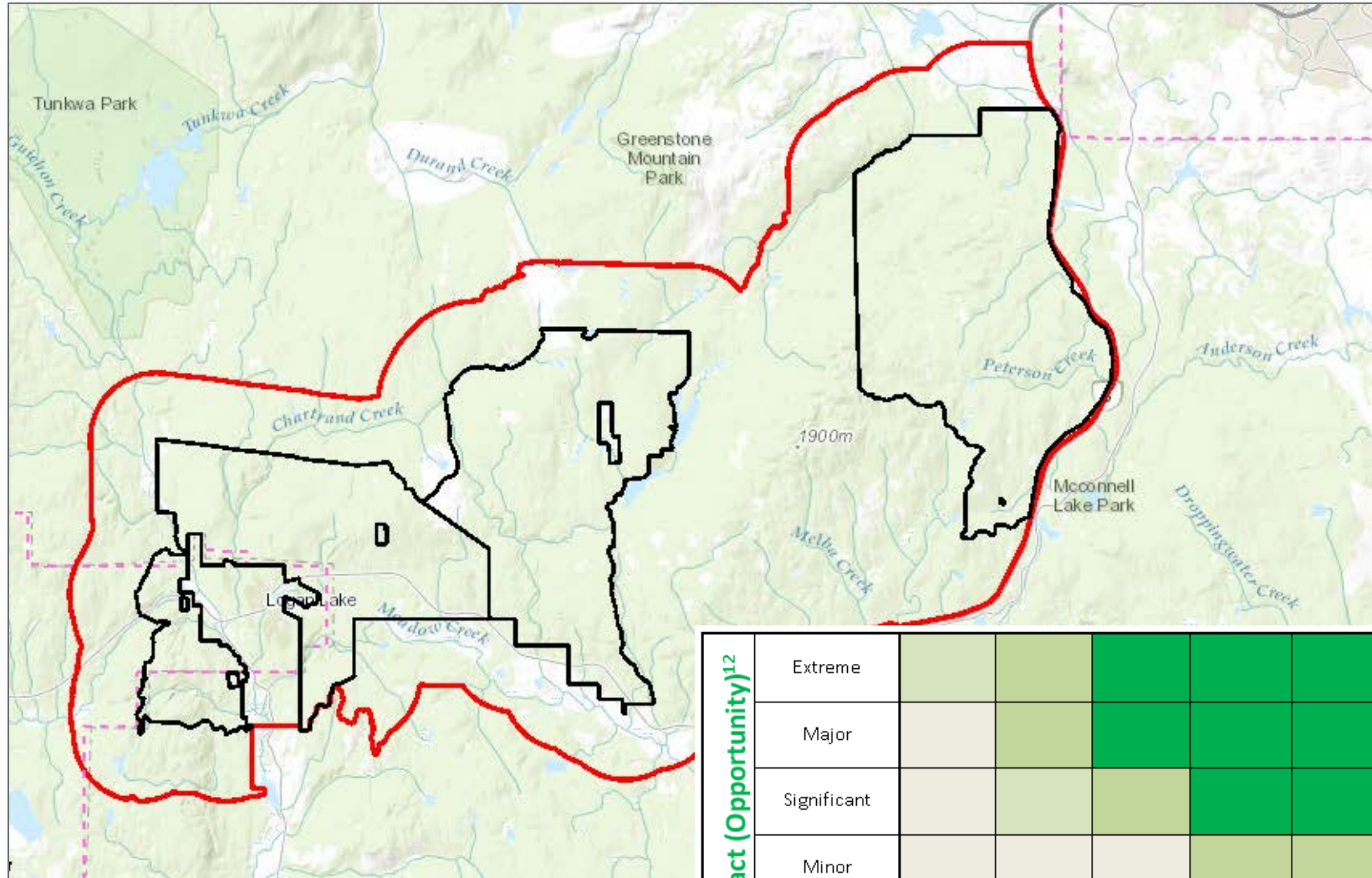
Thank you



Forest Enhancement
Society of British Columbia



Logan Lake Wildfire Risk Management Plan (WRMP)



Impact (Opportunity) ¹²	Extreme											Extreme	Impact (Threat)
	Major											Major	
	Significant											Significant	
	Minor											Minor	
	Insignificant											Insignificant	
		Remote	Unlikely	Possible	Likely	Almost Certain	Almost Certain	Likely	Possible	Unlikely	Remote		
Likelihood						Likelihood							

Stakeholder Meetings





Values Workshop



BRITISH
COLUMBIA



Nurtured Relationship – Response to Wildfire



What's Next...



Where's the "I" in "Team"?

It's YOU. **Individually** be responsible.



When you look in the mirror...Problems or Opportunities?

Thank you



Logan Lake CF Board of Directors



**Logan Lake
Community Forest**
CORPORATION



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