

Crown Managers Partnership 5-needle Pine Restoration Strategy Needs Assessment Summary



Introduction

- Conducted an online survey in winter 2016-17
- Sent to participants of the 2016 Whitefish workshop
- Consisted of questions around current action perceived gaps related to 5-needle pine conservation within their jurisdiction



Results – Background Info

- Fairly evenly distributed geographically
 - British Columbia = 5
 - Alberta = 3
 - Montana = 6
- Skew to Government
 - Government = 10
 - Industry = 2
 - Private = 1
 - NGO = 1



What do you feel are the top 3 challenges to restoring 5-needle pine in your jurisdiction?

Rank	Topic	Notes
1	Lack of Funding/Personnel	= includes cost of screening in US - no facilities in Canada; long-term funding issues; lack of time
2	Policy Conflicts/Manager Support	= Wilderness areas; Conflict with other SAR; no protection on crown land; ESA concerns (?)
3	Rust Resistant Stock	
4	Knowledge/Information Gaps	= includes what to do; where to do actions; knowledge of species
5	Threats to Species	= includes rust; climate change; increased fire



Please list in order of importance the following components that could be included in a Restoration Strategy.

	1	2	3	4	5	6	N/A	Total	Score
Prioritize areas for conservation and restoration at the scale of the Crown of the Continent.	42.86% 6	14.29% 2	14.29% 2	14.29% 2	7.14% 1	7.14% 1	0.00% 0	14	4.50
Incorporate clear guidelines for restoration where applicable.	23.08% 3	46.15% 6	7.69% 1	7.69% 1	15.38% 2	0.00% 0	0.00% 0	13	4.54
Identify mechanisms for sharing resources across jurisdictions to support landscape scale conservation and restoration priorities..	0.00% 0	7.69% 1	38.46% 5	30.77% 4	0.00% 0	23.08% 3	0.00% 0	13	3.08
Identify opportunities for new funding (e.g. through foundations/partnerships with NGOs, etc)	7.69% 1	7.69% 1	23.08% 3	15.38% 2	30.77% 4	15.38% 2	0.00% 0	13	3.00
Ensure the strategy fits into broader scale restoration priorities beyond the Crown.	14.29% 2	7.14% 1	14.29% 2	0.00% 0	21.43% 3	42.86% 6	0.00% 0	14	2.64
Complete landscape-scale analysis to identify synergies, efficiencies, gaps, and opportunities for collaboration. The restoration strategy should have annual or bi-annual work plans.	7.14% 1	14.29% 2	0.00% 0	35.71% 5	28.57% 4	14.29% 2	0.00% 0	14	2.93



What restoration actions are you currently (next 3 years) undertaking for Whitebark and Limber Pine?

Whitebark Pine			
	Yes	No	Total
ID plus trees	90.00% 9	10.00% 1	10
Protect plus trees - Mountain Pine Beetle	81.82% 9	18.18% 2	11
Protect plus trees - fire proofing	30.00% 3	70.00% 7	10
Cage and collect cones	100.00% 10	0.00% 0	10
Grow and plant seedlings	77.78% 7	22.22% 2	9
Send seeds for resistance testing	81.82% 9	18.18% 2	11
Create regeneration habitat - prescribed fire	27.27% 3	72.73% 8	11
Create regeneration habitat - mechanical thinning	54.55% 6	45.45% 5	11
Distribution mapping	90.00% 9	10.00% 1	10
Monitoring outcomes	66.67% 6	33.33% 3	9
Scion and aeciospore collection	88.89% 8	11.11% 1	9



What restoration actions are you currently (next 3 years) undertaking for Whitebark and Limber Pine?

Limber Pine			
	Yes	No	Total
ID plus trees	62.50% 5	37.50% 3	8
Protect plus trees - Mountain Pine Beetle	55.56% 5	44.44% 4	9
Protect plus trees - fire proofing	11.11% 1	88.89% 8	9
Cage and collect cones	66.67% 6	33.33% 3	9
Grow and plant seedlings	55.56% 5	44.44% 4	9
Send seeds for resistance testing	33.33% 3	66.67% 6	9
Create regeneration habitat - prescribed fire	10.00% 1	90.00% 9	10
Create regeneration habitat - mechanical thinning	0.00% 0	100.00% 9	9
Distribution mapping	90.00% 9	10.00% 1	10
Monitoring outcomes	44.44% 4	55.56% 5	9
Scion and aeciospore collection	28.57% 2	71.43% 5	7



What are your three biggest limitations to implementing five-needle pine restorations actions?

Answer Choices	Responses
Inadequate funding.	69.23% 9
Inadequate skilled staff.	23.08% 3
Lack of clarity on where restoration action is required.	30.77% 4
Lack of clarity on what type of restoration action is required.	30.77% 4
Lack of clarity on how to implement restoration actions.	23.08% 3
Other - please explain below	53.85% 7
Total Respondents: 13	

Other = Lack of collaboration and not an agency priority



Has your organization/agency established permanent plots/transects to monitor 5-needle pine health?

Answer Choices	Responses	
Yes	66.67%	8
No	25.00%	3
N/A	8.33%	1
Total		12



If answer is "NO" to question 9 above, is a monitoring program being considered by your organization?

Answer Choices	Responses	
Yes	33.33%	3
No	11.11%	1
N/A	55.56%	5
Total		9



Discussion

- Information from the survey is being used to help outline key components of the strategy
 - Does the issues noted in the survey reflect your own experience?
- What do we want our Crown level strategy to look like?
 - How do we integrate with the National strategy? Merge or diverge.
 - How do we integrate the work from each jurisdiction into a cohesive Crown level strategy?

