



Deep River 2013-2023 Forest Management Plan

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FMP Process to Date

- June 2012: Town requests CoR Forestry Department prepare Forest Management Plan
- January 2013: Phase I public consultation
- April 2013: Draft FMP presented to Council
- May 2013: Public review of FMP and Open House
- July 2013: Final FMP delivered to Town
- May 2017: Town requests mid-plan update and additional assistance
- Fall 2017: Mid-Plan Review delivered and Bagg's Road thinning tendered
- October 2018: Thinning complete at Bagg's Road
- August 2019: McAnulty Road property revisited

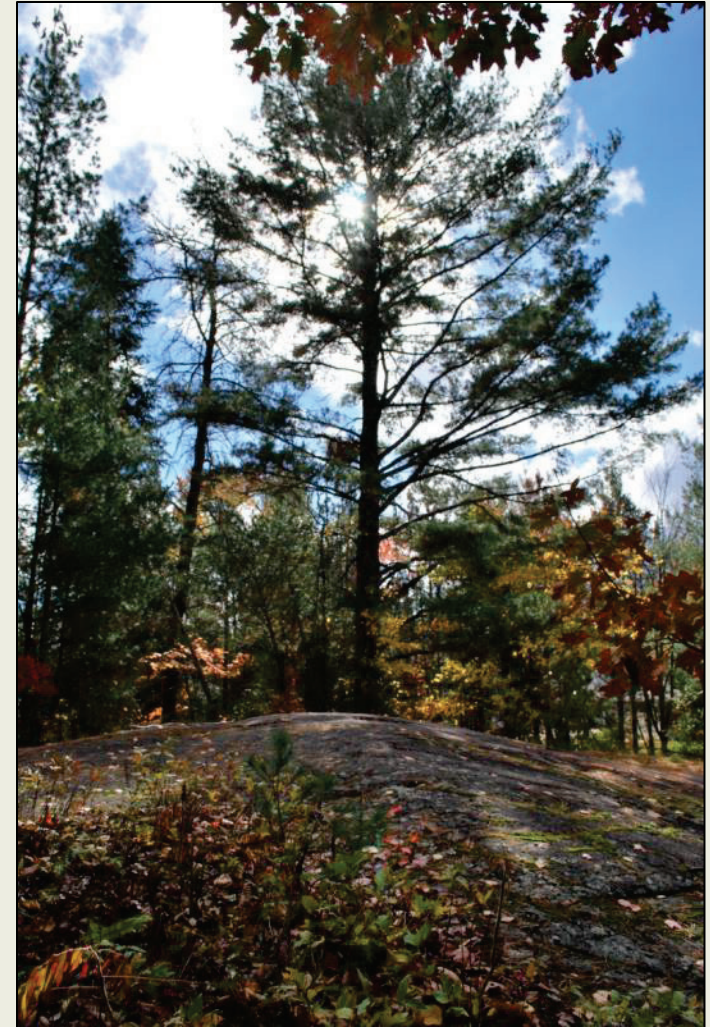
Purpose of FMP

- Recommendations and implementation details on effective management of:
 1. Street Trees
 2. Urban Forest Patches
 3. Larger Forest Areas
- Ensure long-term health and benefits of trees and forests
- 10-year term



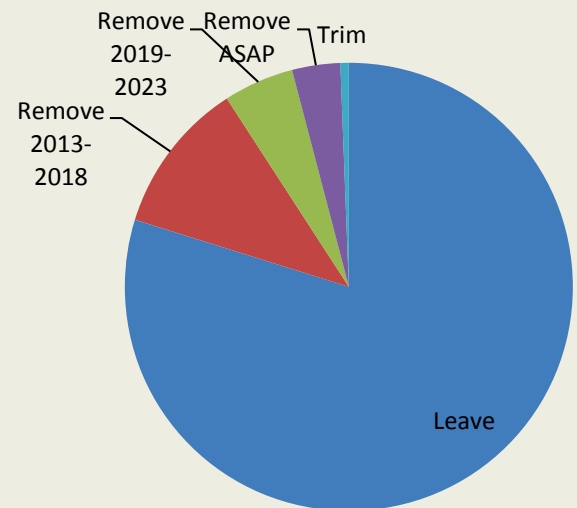
Mid-Plan Review: Purpose

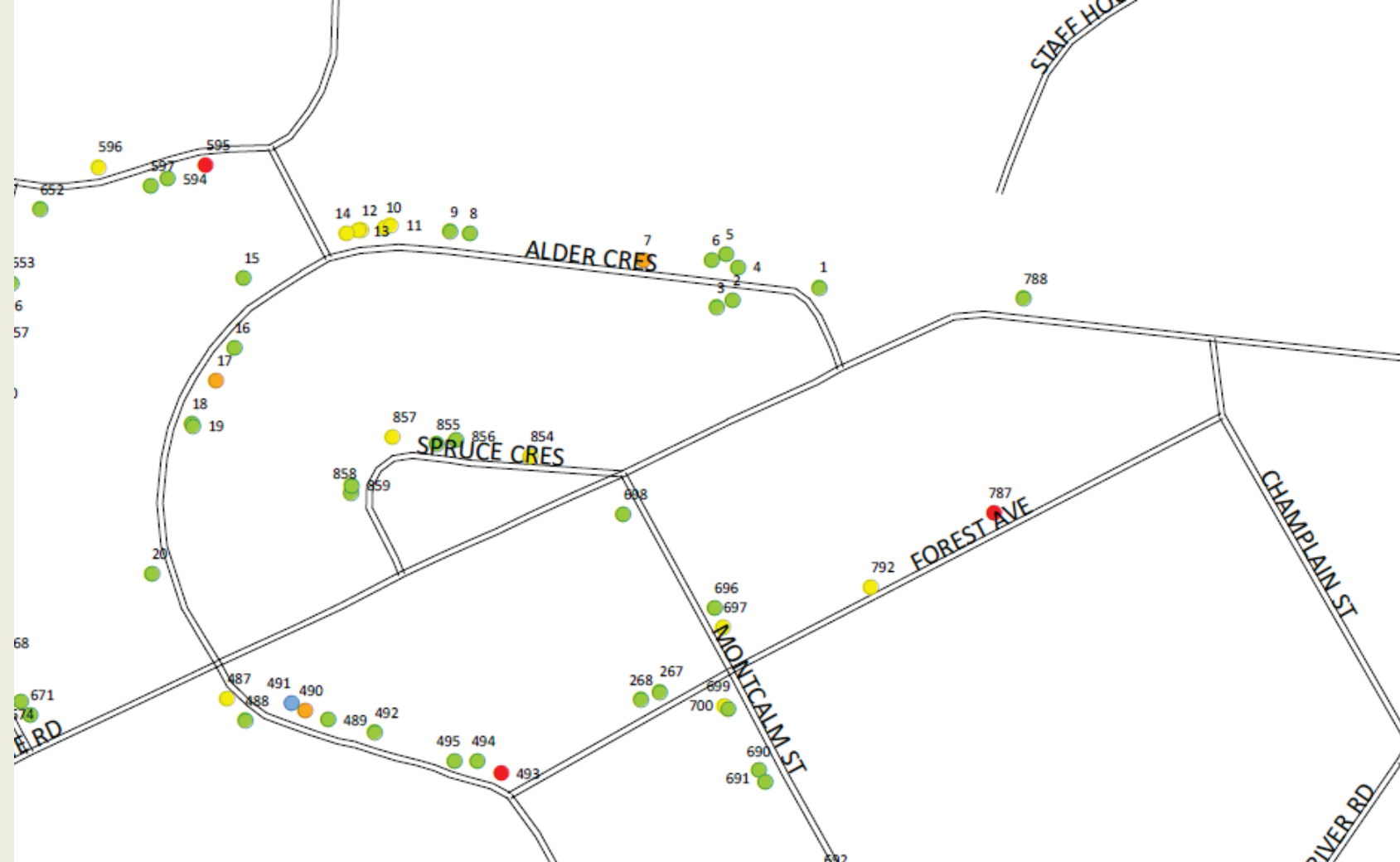
- Review and report on progress to date
- Revisit Urban Forest Patches and assess for general hazards
- Facilitate thinning of Bagg's Road forest, as recommended and accepted in FMP
- Identify other issues re. Deep River's trees and forests



Street Trees

- 981 Street Trees evaluated in 2012-13. Not resurveyed for mid-plan review.
- Assessed for health and safety, management recommendations made.
- Prioritized recommendations and maps included in FMP.
- Town reports that many identified hazards have been removed, as time and budget permits.
- “Succession” planting was recommended in 2013. Work to be done.
- Most recommendations in mid-plan review for street trees are related to planting to retain tree cover.





Tree ID	Easting	Northing	Street	Nearest Address	Site Location	Tree Species	DBH (cm)	Foliage Condition	Lean	Crown Balance	Rot	Cracks	Conks	Coppice Stems	V stems	Wire Conflict	Conflict road/swalk	Management Recommendation	Comment
1	307555	5108530	ALDER CRES	7	Front Yard	Bd	10-24	Healthy	0	0	0	0	None	None	0	None	None	Leave	
2	307517	5108545	ALDER CRES	12	Front Yard	M Norway	10-24	Healthy	0	0	0	0	None	None	0	None	None	Leave	
3	307509	5108546	ALDER CRES	13	Front Yard	M Norway	10-24	Healthy	0	0	0	0	None	None	0	None	None	Leave	
4	307527	5108557	ALDER CRES	13	Front Yard	Crab/Prunus	35-48	Healthy	0	0	0	0	None	None	1	None	None	Leave	
5	307525	5108565	ALDER CRES	13	Front Yard	Mr	25-34	Healthy	0	0	0	0	None	None	1	None	None	Leave	
6	307518	5108566	ALDER CRES	13	Front Yard	M Norway	10-24	Healthy	0	0	1	0	None	Present	1	None	None	Leave	
7	307490	5108580	ALDER CRES	17	Front Yard	Pr	>48	Healthy	0	0	0	0	None	None	0	None	None	Remove 2019-2023	
8	307420	5108637	ALDER CRES	29	Front Yard	Mr	10-24	Healthy	0	0	0	0	None	None	1	None	None	Leave	
9	307409	5108644	ALDER CRES	29	Front Yard	M Norway	10-24	Healthy	0	0	0	0	None	None	0	None	None	Leave	
10	307394	5108658	ALDER CRES	33	Front Yard	Bw	25-34	Healthy	0	0	1	0	None	None	0	None	None	Remove 2013-2018	Branch towards house could be trimmed

Mid-Plan Recommendations for Street Trees

1. Continue monitoring and removing hazardous street trees as necessary, using Appendix 4 of the FMP as a guide. The Town may wish to update the street tree inventory in 2023 to reflect removals, planted trees and changing conditions.
2. Create a goal for annual tree planting, to maintain tree cover in the Town of Deep River. Tree planting recommendations and tips have been carried forward from the 2013 FMP. In addition, some ideas to consider:
 - Plant trees in open areas or in areas that allow for tree growth and development into the future.
 - Set a goal to plant the same number of trees planned for removal per year to ensure the maintenance of tree cover in Deep River.
 - Consider succession planting in places where iconic street or feature trees are present.
 - Consider a program to buy and give away saplings to residents who may be interested in planting a tree on their own property.



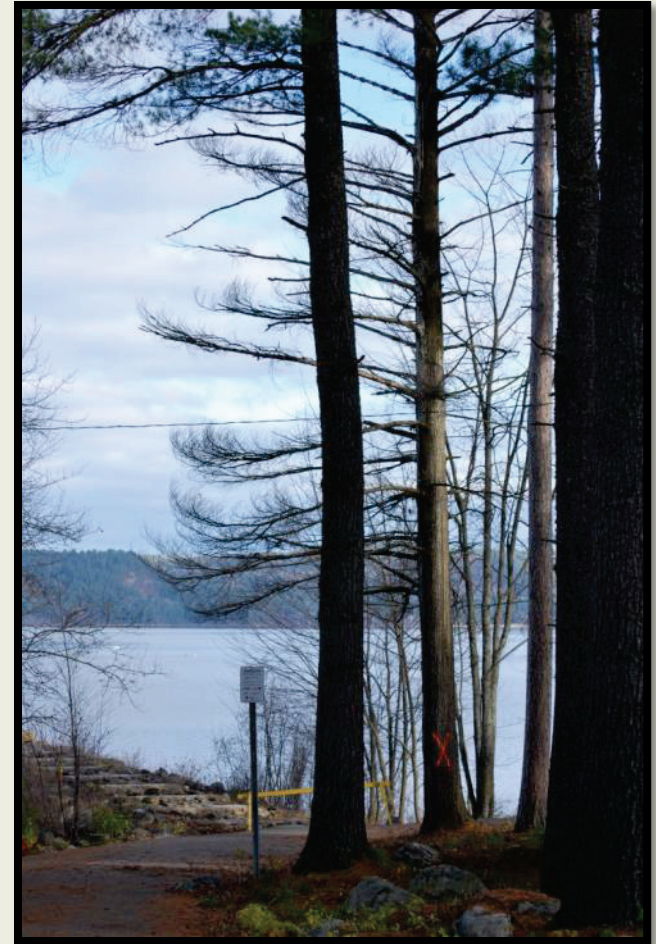
Urban Forest Patches

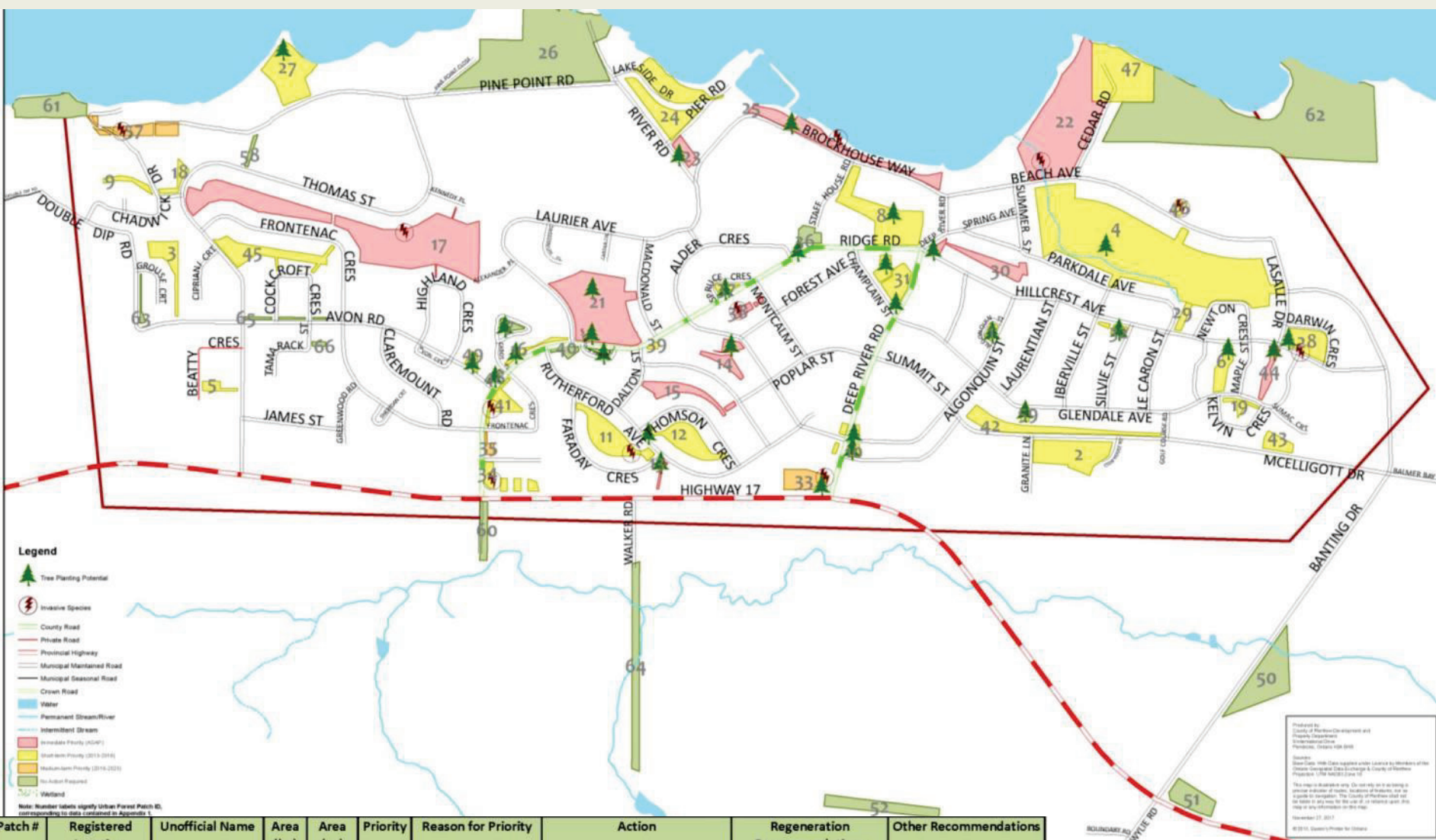
- 60 different urban forest patches surveyed, ranging from treed medians to large parks within town.
- Reassessed in 2017
- Evaluated for safety hazards and risk of damage to adjacent property.
- Town has marked/removed some hazards in some areas identified in 2012.
- Updated results as expected – progressive decline.
- Invasive species and dumping remain a problem.

Priority	Details	2017	2017	2012
		# Patches	%	%
Immediate (I)	At least one tree is hazardous enough to warrant immediate attention	11	18	23
Short-term (S)	Hazards exist or are developing that warrant attention in the next 5 years (2017-2023)	31	51	9
Medium-term (M)	Conditions exist that could deteriorate and should be monitored for hazards. Action is expected to be required in 5-10 years (2023+)	3	5	30
None (N)	No conditions exist that should require attention within the next 10 years	16	26	39
Total		61	100	100

Mid-Plan Recommendations for Urban Forest Patches

1. Continue monitoring and removing hazardous trees within urban forest patches as necessary.
2. Plant trees in open areas to offset hazard tree removal.
3. Consider public education about invasive plants to discourage dumping of garden waste in urban forest patches, and encourage community pulls for invasive plants.





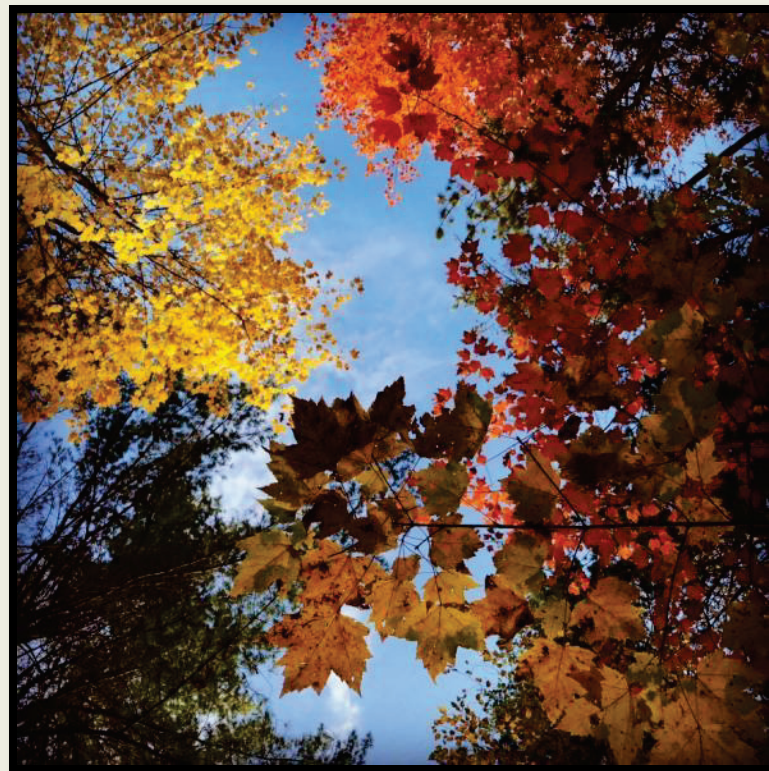
Patch #	Registered Location	Unofficial Name	Area (ha)	Area (ac)	Priority	Reason for Priority	Action	Regeneration Recommendations	Other Recommendations
38	PLAN 291 BLK H PART	Forest Ridge Alley	0.14	0.34		Pj still a corner, especially behind houses and parking area.	Remove Pj.	Could underplant Pw or oak after Pj removal but would require monitoring/tending. Some natural regeneration occurring.	A lot of dumping is occurring. Goutweed and periwinkle are invading.
39	RIDGE RD	Ridge Road across from MacDonald	0.04	0.10	S	Pj near house	Continue to monitor Pj and remove as necessary.	None. Naturally regenerating.	
40	PLAN 316 BLK KK PARKLAND	Mountain View and Ridge Road	0.18	0.44	N	No hazards	None	Planting opportunities exist that could reduce need for mowing and naturalize the area.	

Tree Planting

- Many grass/open areas identified on map where trees could be planted
- Ideas:
 - Organize a community tree plant each year to reforest an area – less mowing!
 - Explore funding opportunities through Tree Canada and Forests Ontario
 - Adopt a cut a tree/plant a tree policy
 - Offer trees for residents to plant on their own property

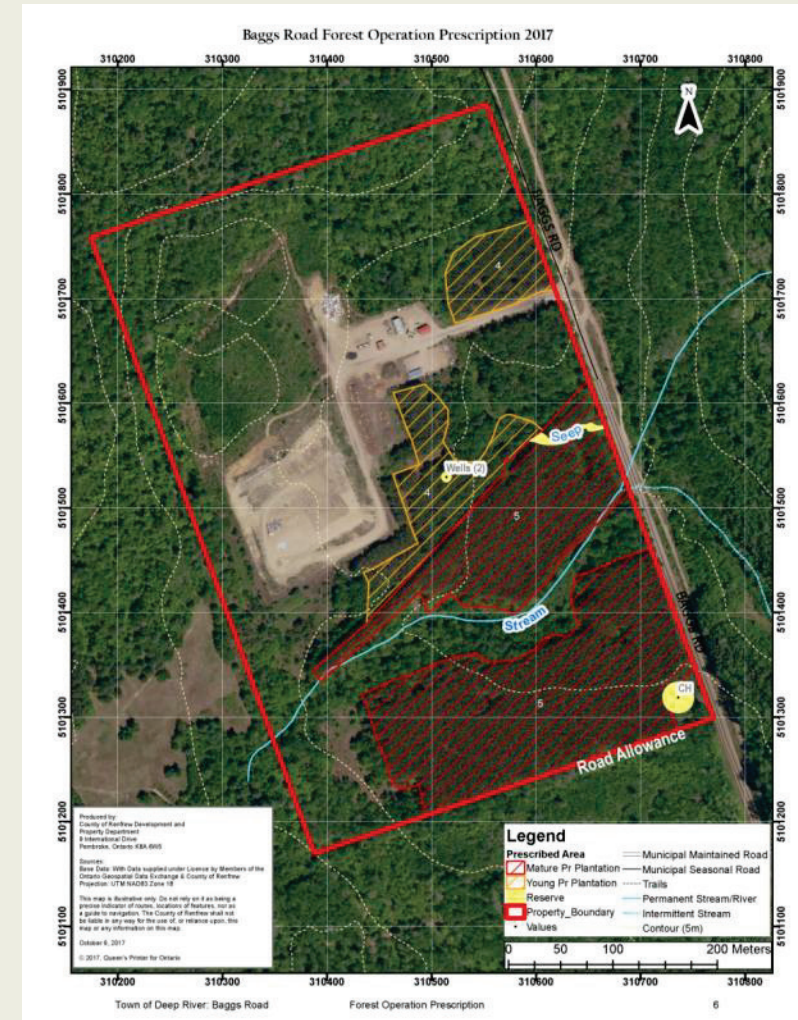
Large Forest Areas

- 5 distinct forest areas = almost 500 hectares
- 2012:
 - Forest Operation Prescriptions were prepared:
 - Baggs Road Lands
 - McAnulty Lands
 - Other evaluated areas:
 - Miller Road: 10 hectares, tree plant potential, harvest in 40 years (Christmas trees)
 - Highway 17 Lands: 23 hectares, harvest in 20 years
 - East End Lands: not available for harvest



Large Forest Areas: Mid-Plan Update

- Baggs Road prescription updated
 - Tree marking (~1/4 thin of red pine plantations)
 - Tendered with RCF harvests for 2018
 - 2 bids received
 - Thinning occurred in October 2018.
 - 2nd thinning in 10-12 years.
 - Some concerns were raised before thinning occurred, but none during/after.



Thinning at Baggs Road

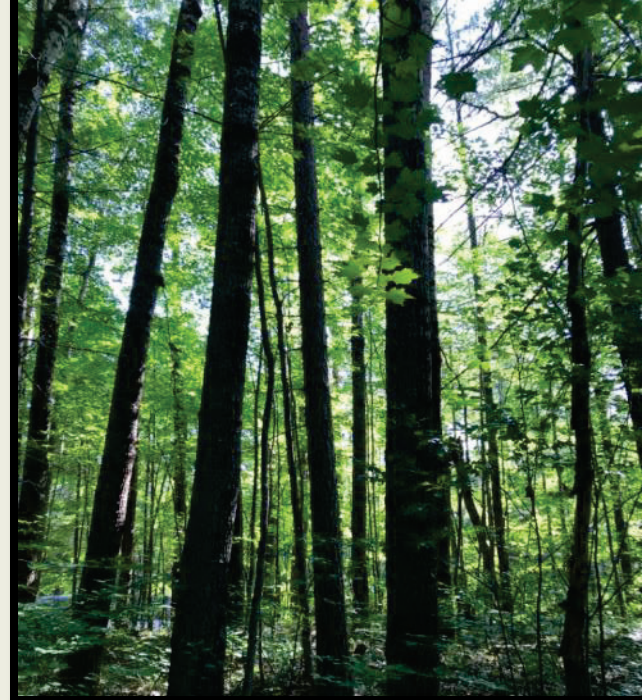
Goals:

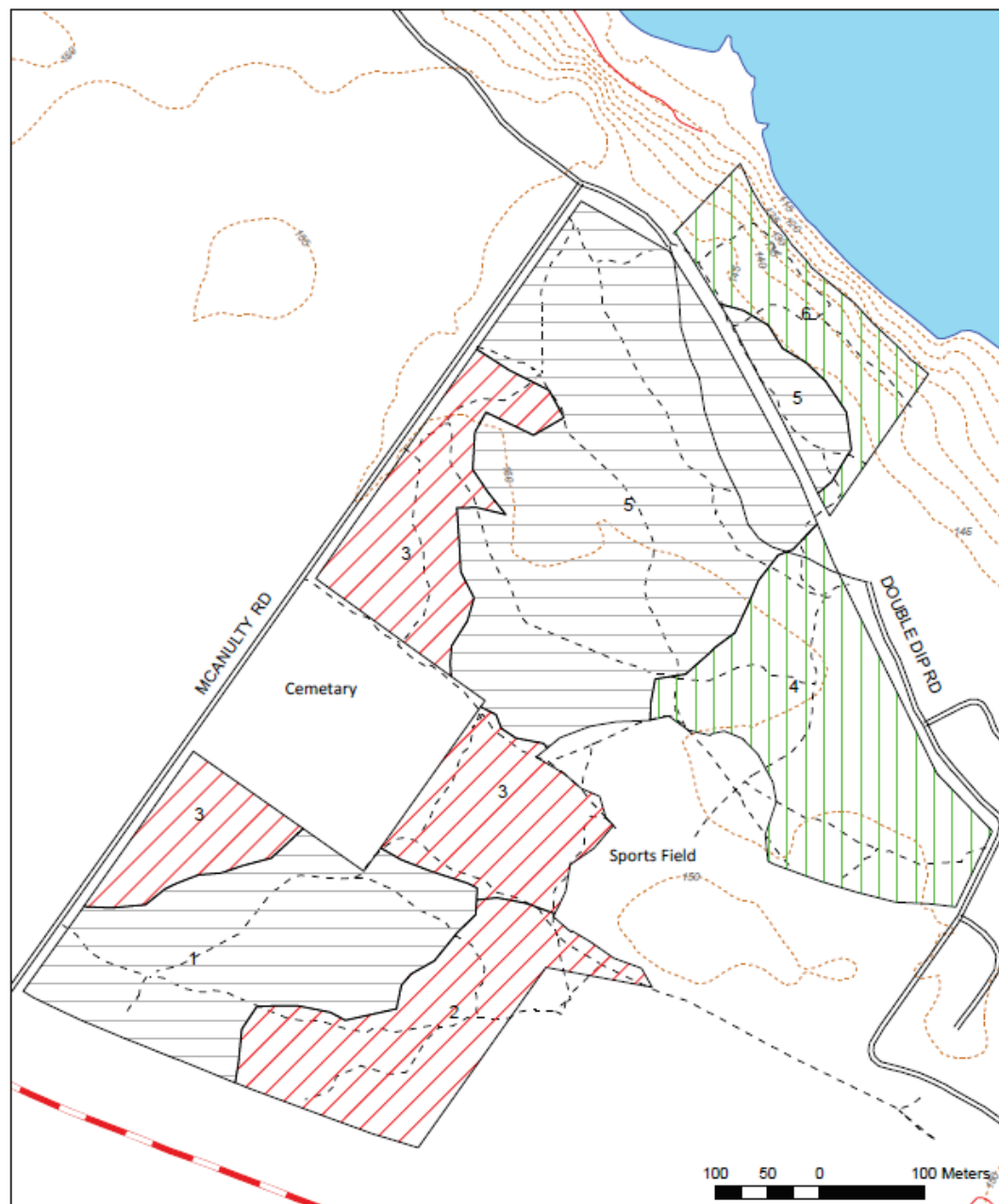
- Protect forest values
- Increase understory light to encourage natural regeneration of white pine and hardwoods
- Improve health, growth and vigour of overstory red pine
- Create access for future by removing every 5th row. Selective thinning in other rows.
- Capture carbon into wood products, while generating income for the Town.



McAnulty Lands

- Overmature poplar, mature/overmature red pine
- Prescription prepared in 2006, updated in 2012.
- About 18 hectares eligible for harvest.
- Some area has blown down since original prescription.
- Fire origin (pre-establishment of Town) and some area harvested in 1980s.
- Heavy recreational use.
- If not harvest: will gradually fall down, naturally regenerate in gaps
- If harvested: clearcut poplar, partial or clearcut of red pine, should plant, will be visually impactful.
- If management desired, Rx should be reviewed/updated.





Legend

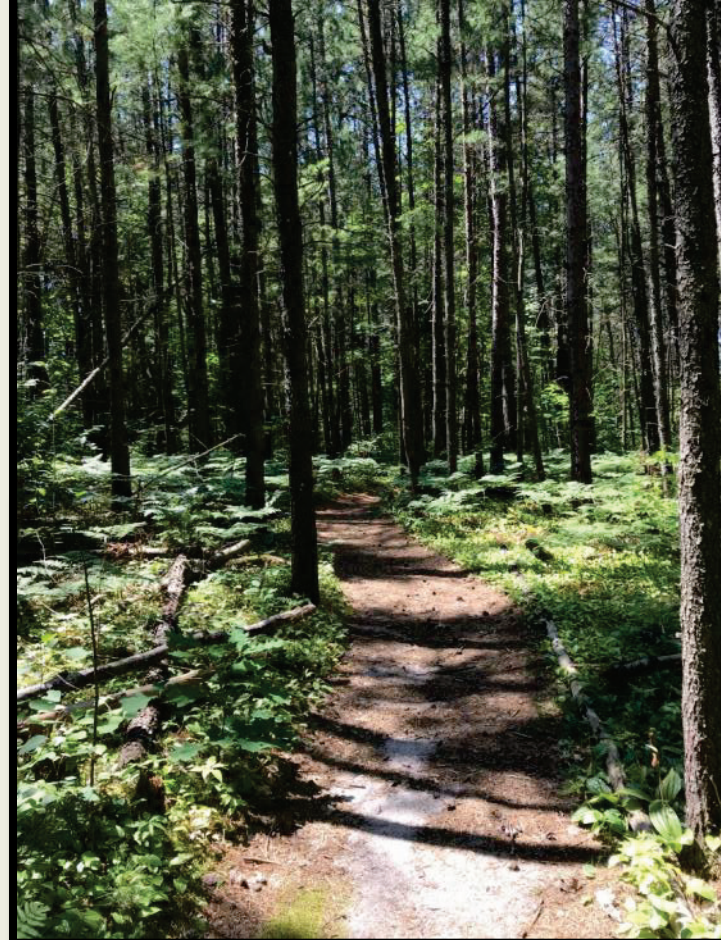
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|---|--|
|  Area A |  Trails |
|  Area B |  Contour (5m) |
|  Area C (bypass) | |

McAnulty Road Lands 2013 Forest Operation Prescription



McAnulty Lands

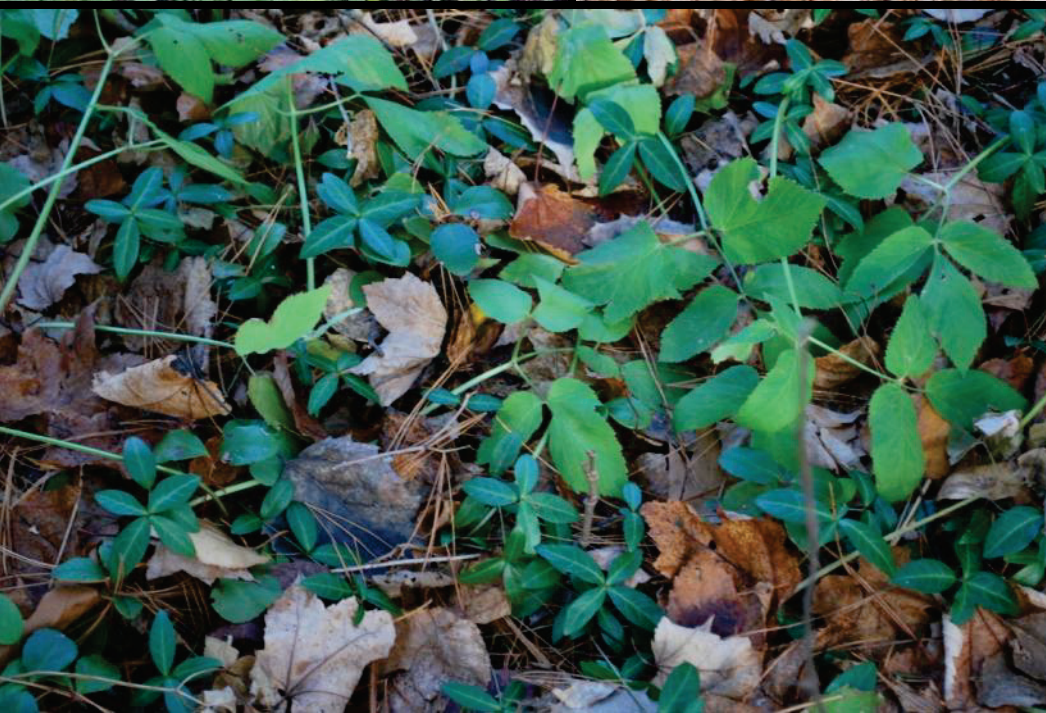
- Town's objectives? Social, ecological, economic?
- Pros:
 - Would remove declining/hazardous trees, improve forest health
 - Lower future fire hazard
 - Generate revenue
 - Vigorous young forest condition created
- Cons:
 - Short-term fire hazard risk increased
 - Short-term (slash, clearcut) and long-term (removal of large trees) aesthetic impact
 - Requires \$ and time commitment to regenerate red pine
 - Harvest requirements/restrictions will be complex, may deter interest from operators.



Managing Outside Impacts

- Invasive species are a problem province-wide
- Additional infestations discovered in mid-plan review





Mid-Plan Recommendations for Managing Outside Impacts

1. Continue to manage garlic mustard infestation at Lamure beach, and consider placing sign and boot brush for public awareness. Consider control measures at patch #46.
2. Post information about invasive species on the Town website, or engage in some other means of public education (newsletter, newspaper, etc).
3. Actively manage Japanese Knotweed to reduce risk to infrastructure and further spread.
4. Keep other recommendations from 2012 FMP in mind:
 1. Encourage public to properly dispose of garden waste
 2. Encourage pulling of identified invasives by concerned community members (Adopt-a-Forest)
 3. Consider brushing and treating locust if consider human safety risk.
 4. Only plant native or non-invasive tree species
 5. Consider treatment of ash trees against EAB and discourage the movement of firewood
 6. Encourage responsible recreation, equipment use and import of fill



Summary

- Street Tree and Urban Forest Patches:
 - Continue to remove hazards
 - Plant trees to maintain benefits from cover
- Large Forest Areas
 - Consider Town's objectives and evaluate potential at McAnulty Lands
- Forest and Tree Health
 - Manage invasive species
 - Improve/maintain current conditions



Questions?

