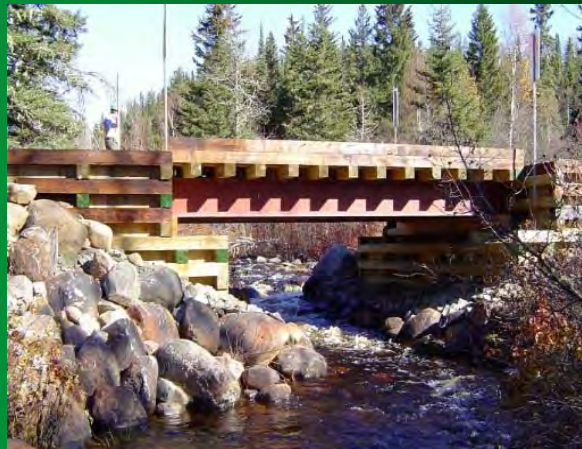


Dog River-Matawin Forest 2021-2031 FMP



Fort William First Nation
2020



- Resolute FP Canada Inc. respectfully acknowledges its operations are located on the traditional lands of the Fort William First Nation, signatory to the Robinson Superior Treaty of 1850.
- Resolute FP acknowledges the history that Fort William First Nation and the Anishinabek hold in the region, and is committed to a relationship with Fort William First Nation based on the principles of mutual trust, respect, reciprocity, and collaboration in the spirit of reconciliation.



Why are we here?

- We want to know what you feel is important on the landbase?
- What TEK can inform us to make a better plan?
- What do you feel can we do better?

Cut Overs have changed over time



Cut Overs have changed over time



Presentation Summary

- Forest Management Plan Overview
- Habitat
 - Areas of Concern
 - Species at Risk
 - Values Protection
- Proposed Harvest Areas
- Traditional Knowledge





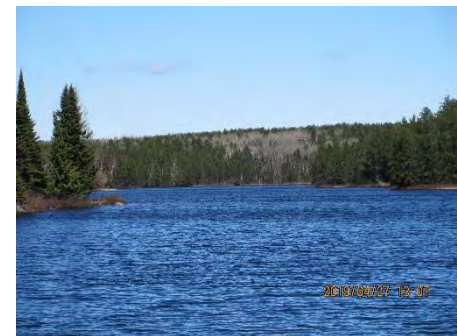
FMP-1: MANAGEMENT UNIT CROWN LAND SUMMARY

Land Ownership and Type	Land Ownership (Hectares)				
	Crown		Patent	Other	Total
	Managed	Other			
Unsurveyed	0	0	0	0	
Non-forested					
Water	111,274	2,410	10,678	169	124,531
Other Land					
Agricultural Land	0	0	26	0	26
Gross & Meadow	64	0	198	0	262
Unclassified	7,371	14	3,820	28	11,233
Other	1,465	41	190	3	1,700
Subtotal Non-Forested	120,175	2,465	14,820	199	137,659
Forested					
Non-Productive Forest					
Treed Muskog	12,882	1,512	2,156	282	16,832
Open Muskog	36,345	3,201	5,378	263	45,187
Birch & Alder	8,780	41	1,770	93	10,684
Rock	10	0	0	0	10
Subtotal Non-Productive	58,016	4,855	9,303	641	72,815
Productive Forest					
Protection Forest					
Site	25,400	1,806	4,362	359	31,927
Islands	4,023	91	101	0	4,215
Subtotal Protection	29,423	1,897	4,463	359	36,142
Production Forest					
Recent Disturbance	36,181	0	144	0	36,325
Below Regeneration Standards	89,534	230	32,444	23	122,031
Forest Stands	571,866	12,345	72,754	3,685	658,650
Subtotal Production	697,681	12,584	105,343	3,708	819,316
Subtotal Productive	727,104	14,481	109,807	4,067	855,459
Subtotal Forest	785,120	19,336	119,117	4,700	928,273
Total	905,295	21,801	833,932	4,902	1,065,930
Total Crown Productive:	741,095				



Management Objectives Overview

1. Crown forest diversity objectives which includes consideration for the conservation of natural landscape patterns, forest structure and composition, wildlife habitat and the abundance and distribution of forest ecosystems;
2. Social and economic objectives, including harvest levels and a recognition that healthy forest ecosystems are vital to the well-being of Ontario communities;
3. Silviculture objectives for the harvest, renewal and maintenance of the Crown forest.

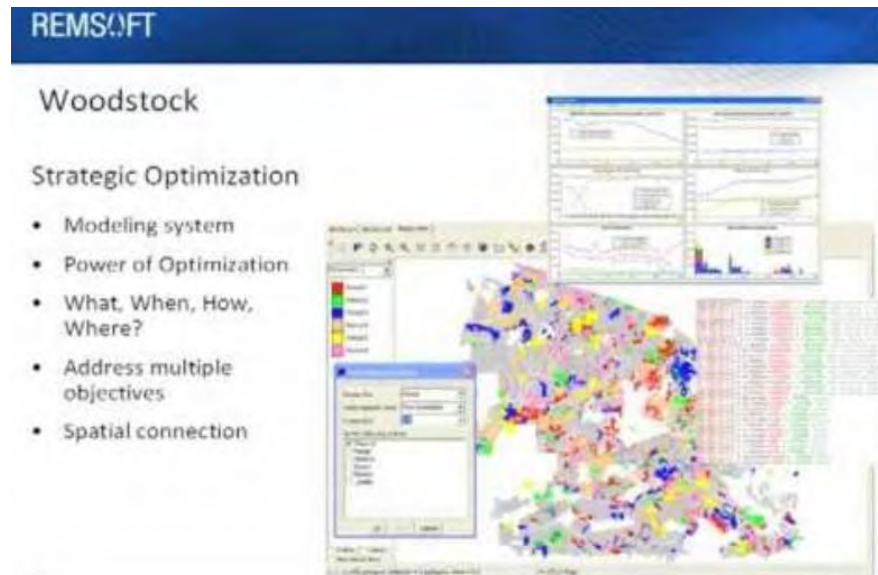


Modelling - Woodstock

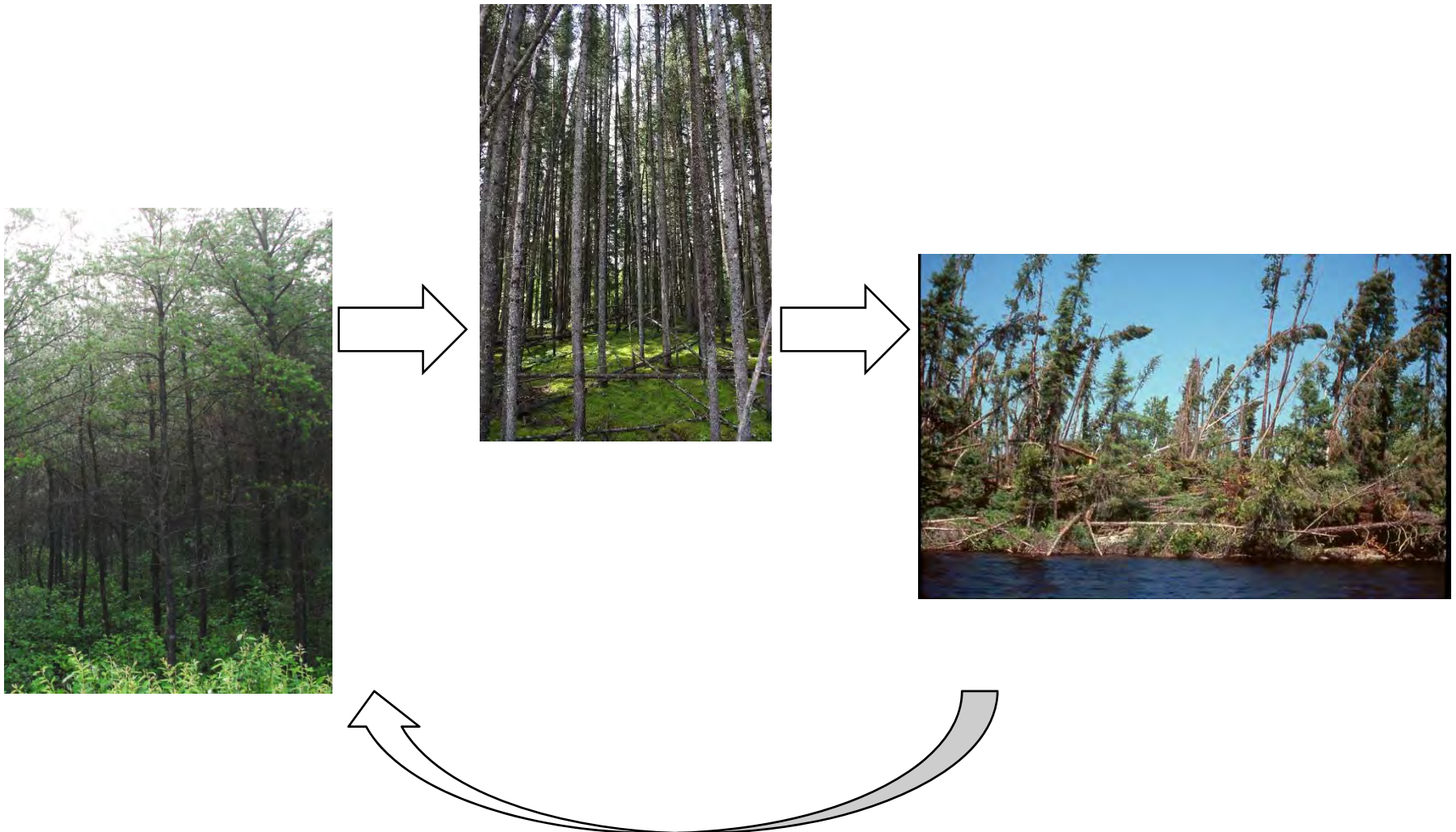
Why do we model?

What inputs do we tell the model?

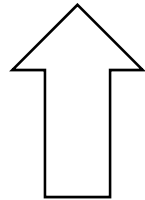
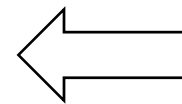
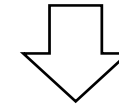
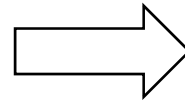
What do we want the model to tell us?



Succession – What happens over time naturally



Succession – What happens after harvest



Large Landscape Patches- Moose Emphasis Areas

MEA results

BRULE					5-30%	15-35%	20-55%
Period	Browse	Conif	Hdwd	Total	%Browse	%Conif	%Hdwd
0	2068.7	2435.13	4922.89	10471.68	19.8%	23.3%	47.0%
1	2672.87	2068.66	4297.88	10471.68	25.5%	19.8%	41.0%
2	3879.27	1796.97	3416.62	10471.68	37.0%	17.2%	32.6%
3	4259.2	1709.95	3356.41	10471.68	40.7%	16.3%	32.1%
4	2907.22	2188.42	4302.28	10471.68	27.8%	20.9%	41.1%
5	3341.93	1657.85	4238.68	10471.68	31.9%	15.8%	40.5%
6	2943.51	1570.75	4147.77	10471.68	28.1%	15.0%	39.6%

DRIFT					5-30%	15-35%	20-55%
Period	Browse	Conif	Hdwd	Total	%Browse	%Conif	%Hdwd
0	6652.46	3536.81	6743.98	19145.91	34.7%	18.5%	35.2%
1	3190.79	3995.05	7860.07	19145.91	16.7%	20.9%	41.1%
2	4294.97	3894.37	7134.42	19145.91	22.4%	20.3%	37.3%
3	6689.94	3599.03	4690.67	19145.91	34.9%	18.8%	24.5%
4	8276.82	3086.37	4586.76	19145.91	43.2%	16.1%	24.0%
5	8623.74	3434.91	4145.15	19145.91	45.0%	17.9%	21.7%
6	6177.08	3595.46	5618.77	19145.91	32.3%	18.8%	29.3%

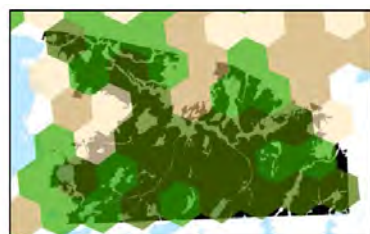
LDML					5-30%	15-35%	20-55%
Period	Browse	Conif	Hdwd	Total	%Browse	%Conif	%Hdwd
0	3896.86	2988.22	7259.37	14300.38	27.3%	20.9%	50.8%
1	6836.92	2422.07	4852.95	14300.38	47.8%	16.9%	33.9%
2	6706.15	2145.06	4166.86	14300.38	46.9%	15.0%	29.1%
3	5510.06	2145.06	5185.06	14300.38	38.5%	15.0%	36.3%
4	2569.81	2145.06	7151.16	14300.38	18.0%	15.0%	50.0%
5	1097.73	2145.06	8303.5	14300.38	7.7%	15.0%	58.1%
6	2903.27	2347.67	7125.49	14300.38	20.3%	16.4%	49.8%

MICH_PARRY					5-30%	15-35%	20-55%
Period	Browse	Conif	Hdwd	Total	%Browse	%Conif	%Hdwd
0	7109.76	3457.53	8360.64	21348.57	33.3%	16.2%	39.2%
1	6074.66	3232.76	7311.83	21348.57	28.5%	15.1%	34.2%
2	5945.41	3202.28	6842.59	21348.57	27.8%	15.0%	32.1%
3	6034.31	3202.28	6020.68	21348.57	28.3%	15.0%	28.2%
4	6825.18	3202.28	6409.32	21348.57	32.0%	15.0%	30.0%
5	8244.31	3563.18	6108.87	21348.57	38.6%	16.7%	28.6%
6	7731.09	3498.94	5951.6	21348.57	36.2%	16.4%	27.9%

QUETICO					5-30%	15-35%	20-55%
Period	Browse	Conif	Hdwd	Total	%Browse	%Conif	%Hdwd
0	5919.55	3940.6	10402.19	21178.79	28.0%	18.6%	49.1%
1	6323.49	3343.63	9767.28	21178.79	29.9%	15.8%	46.1%
2	7292.86	3176.82	8815.92	21178.79	34.4%	15.0%	41.6%
3	8618.92	3176.82	7640.11	21178.79	40.7%	15.0%	36.1%
4	4608.82	3176.82	9672.86	21178.79	21.8%	15.0%	45.7%
5	4864.95	3176.82	9920.01	21178.79	23.0%	15.0%	46.8%
6	6205.05	3176.82	8038.31	21178.79	29.3%	15.0%	38.0%



Mature and Old Large Landscape Patches



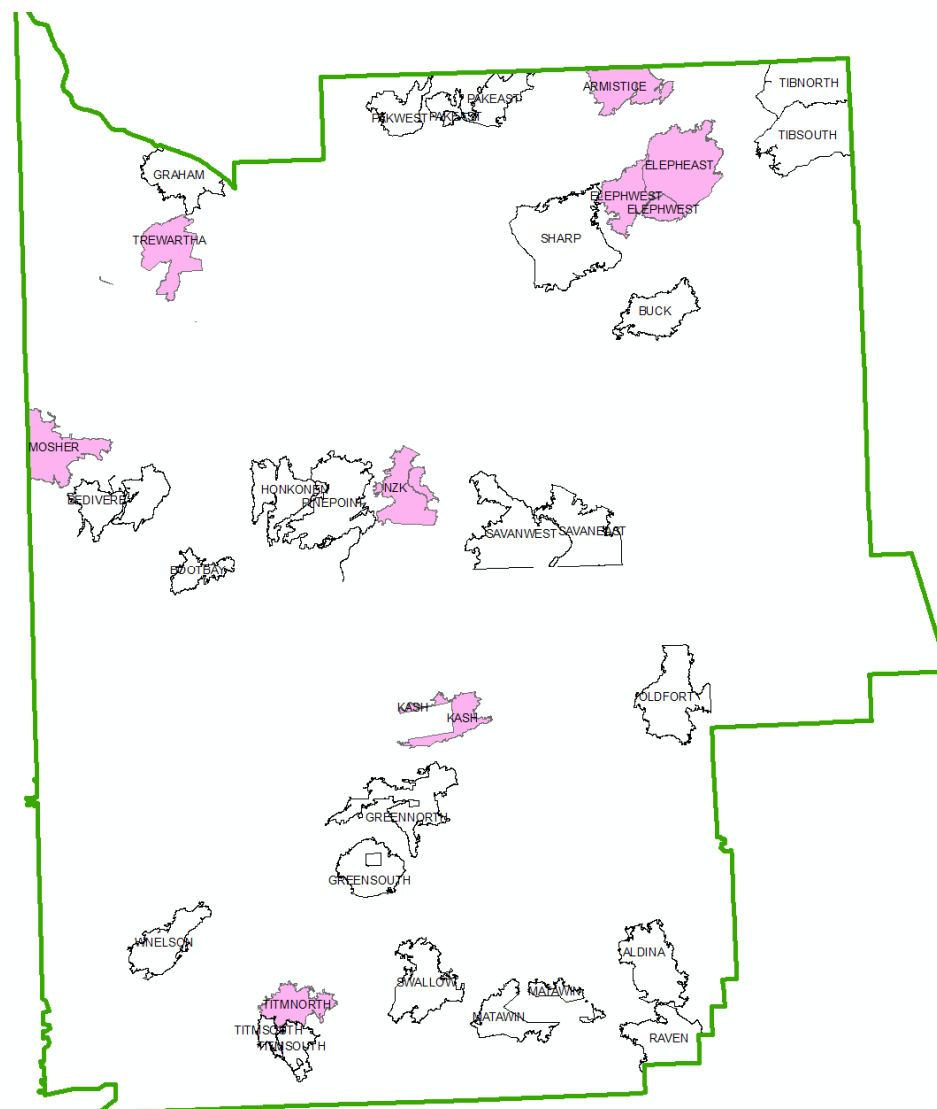
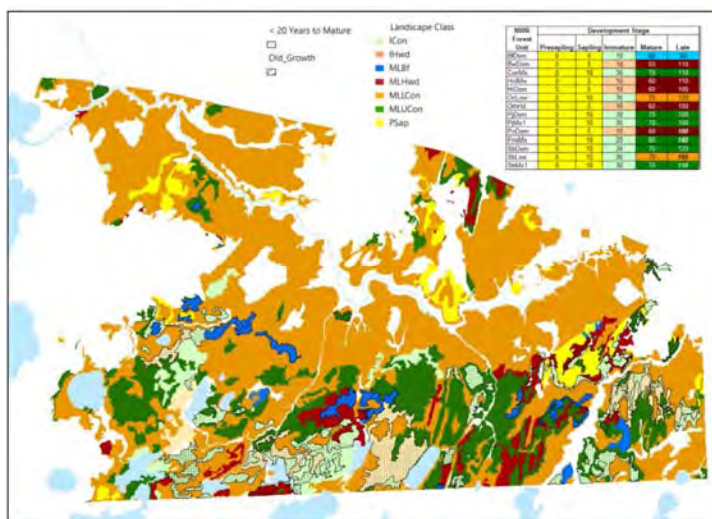
P1NH 500

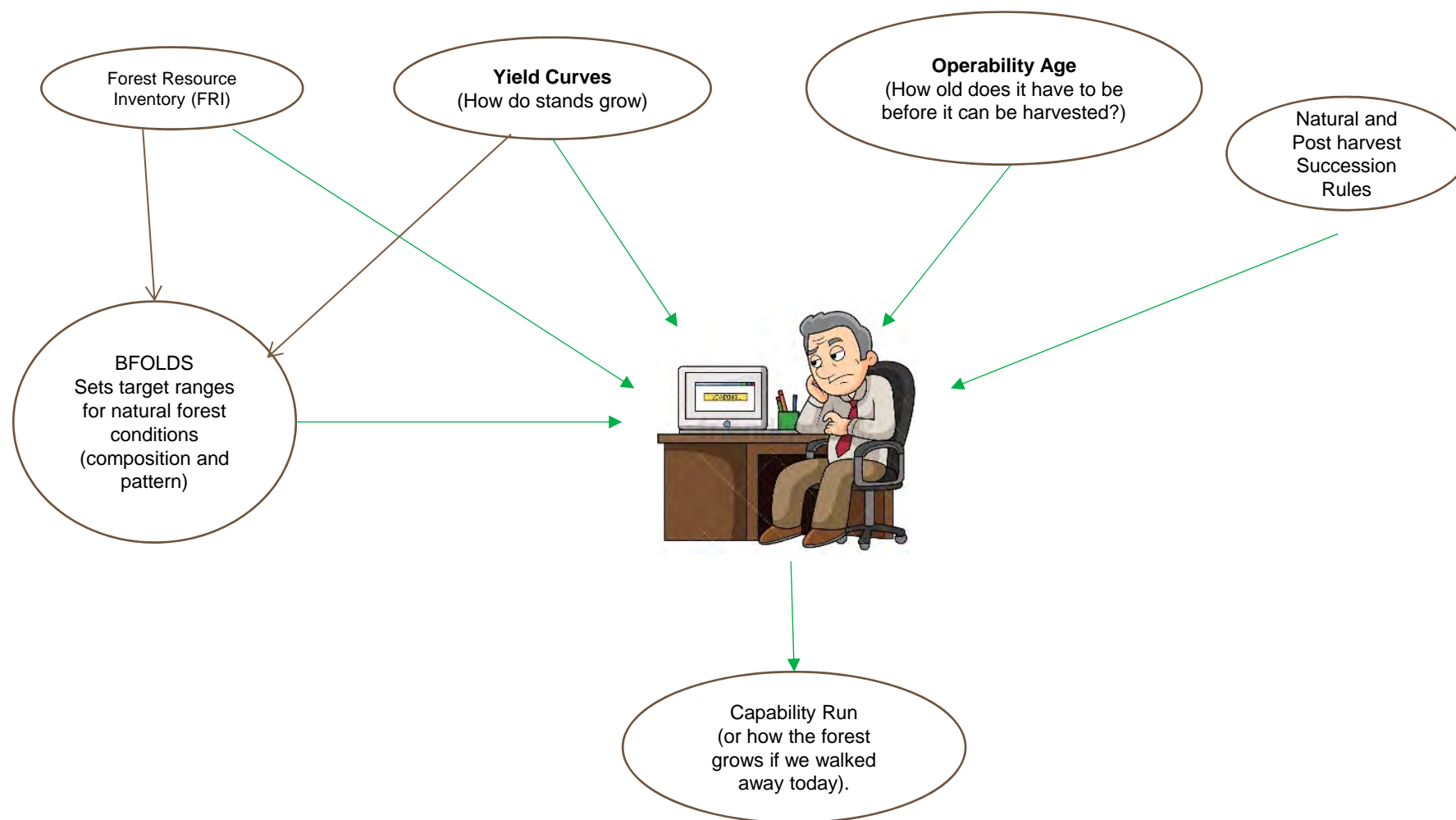


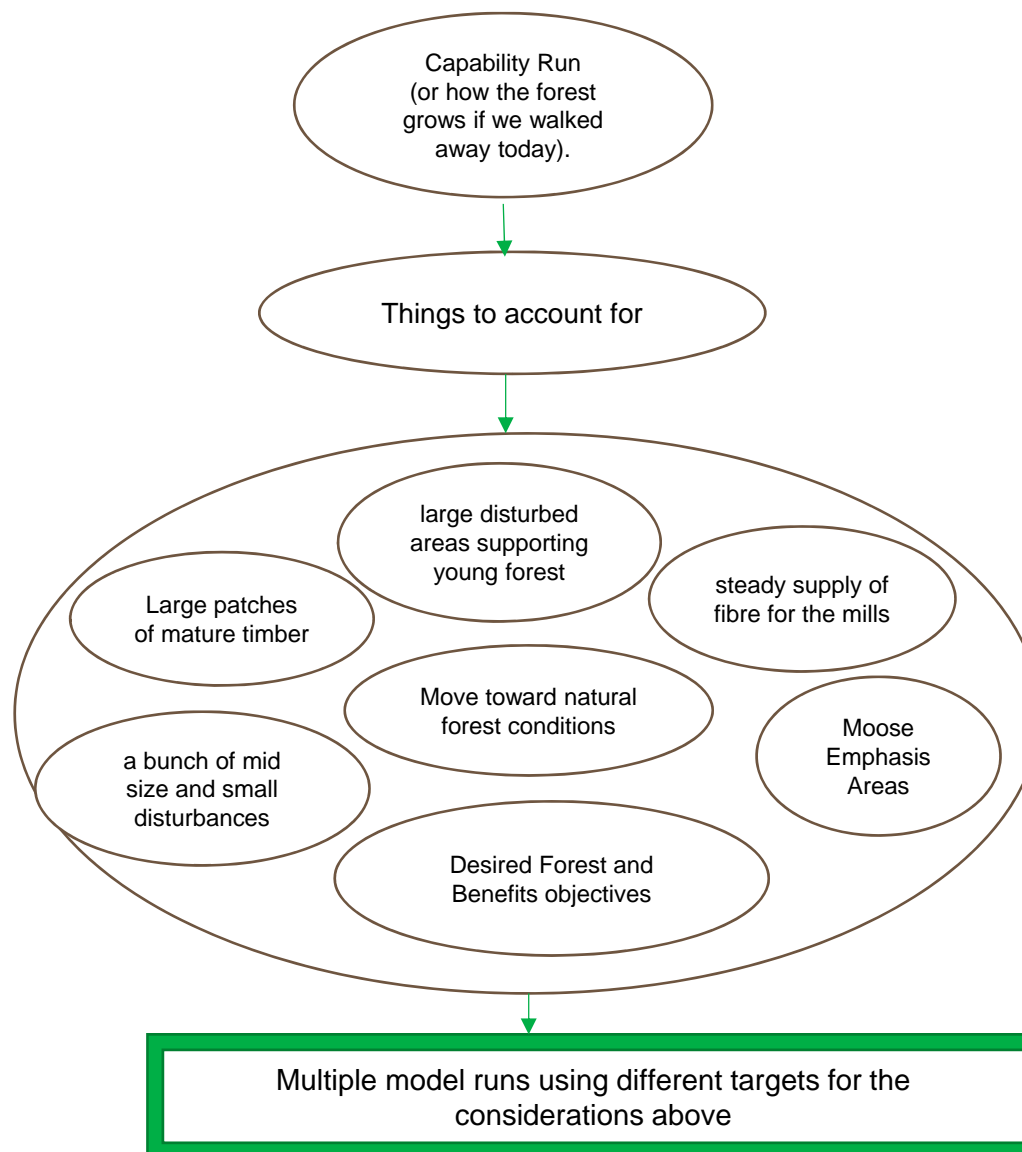
P1NH 5000

LLPs deferred from harvest list

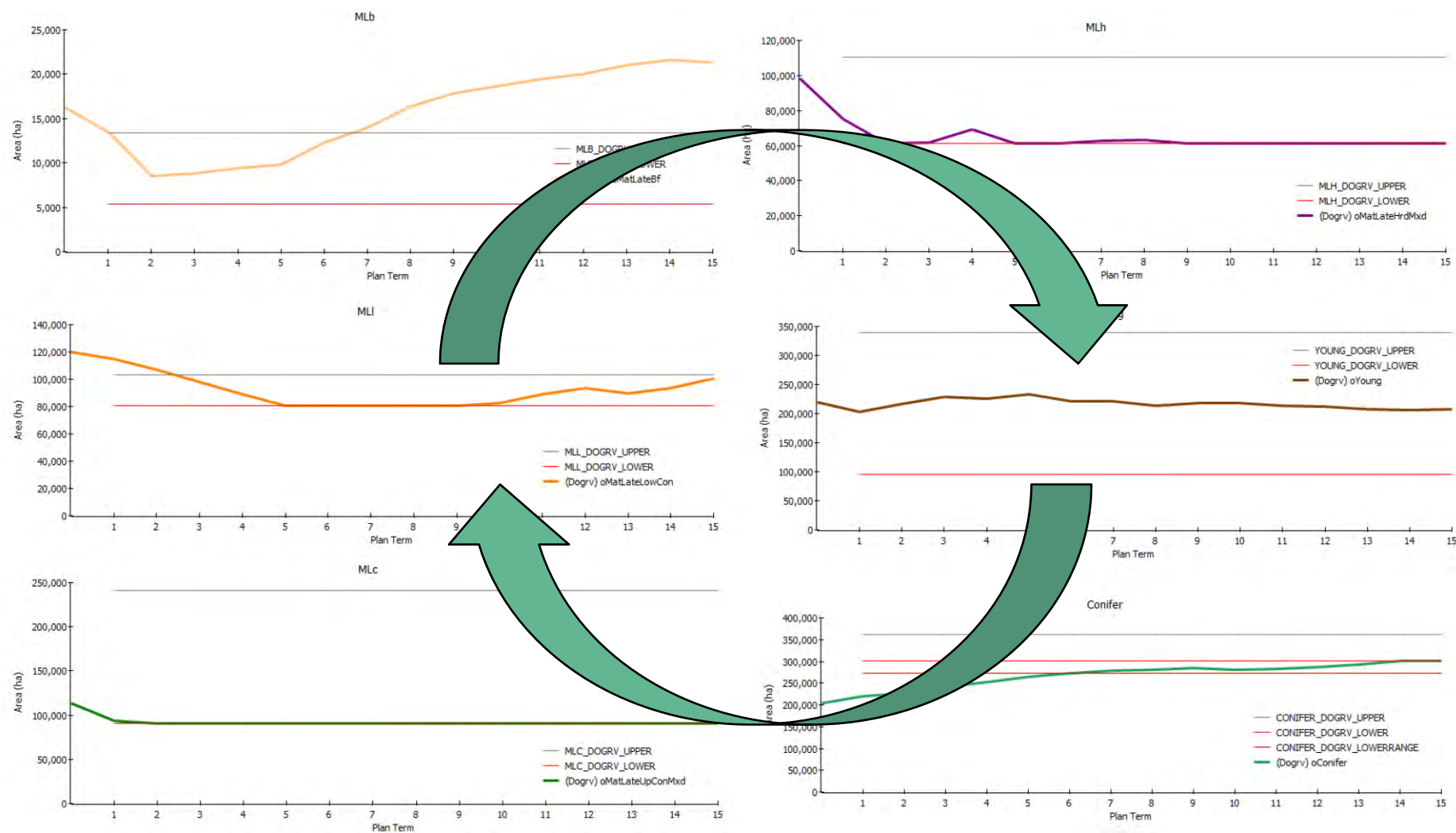
LLP Name	LLP #	Benchmark Deferral Period
TREWARTHA	2	60
ARMISTICE	5	60
ELEPHEAST	8	60
ELEPHWEST	9	60
NZK	14	60
MOSHER	17	40
KASH	20	60
TITM NORTH	28	40







Model Results



Multiple model runs using different targets for the considerations above

Run 1:
Cut the maximum,
protect nothing

Run 2
Protect everything
cut very little

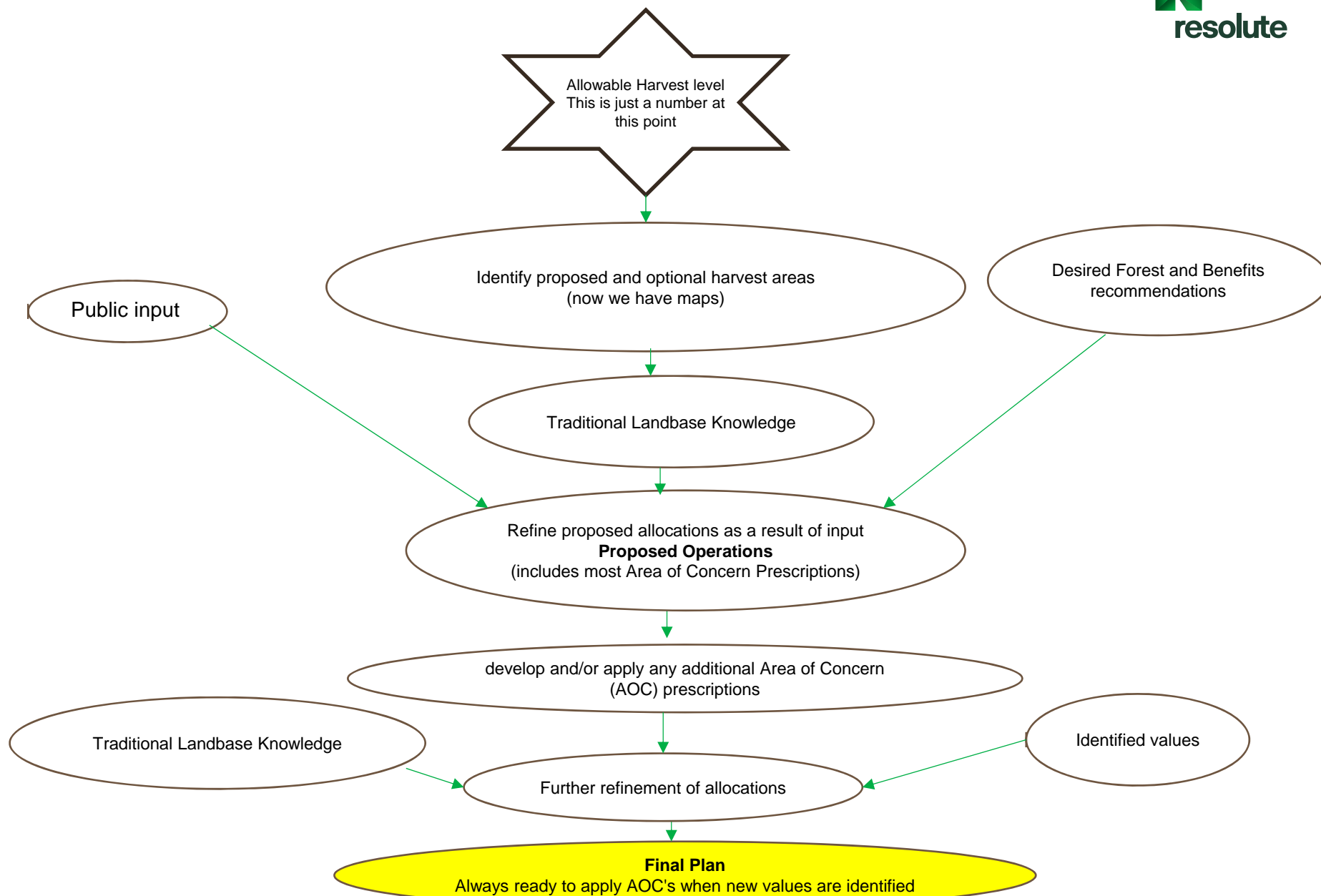
Run 3:
Cut less, protect more

Run 4:
Protect less, cut more

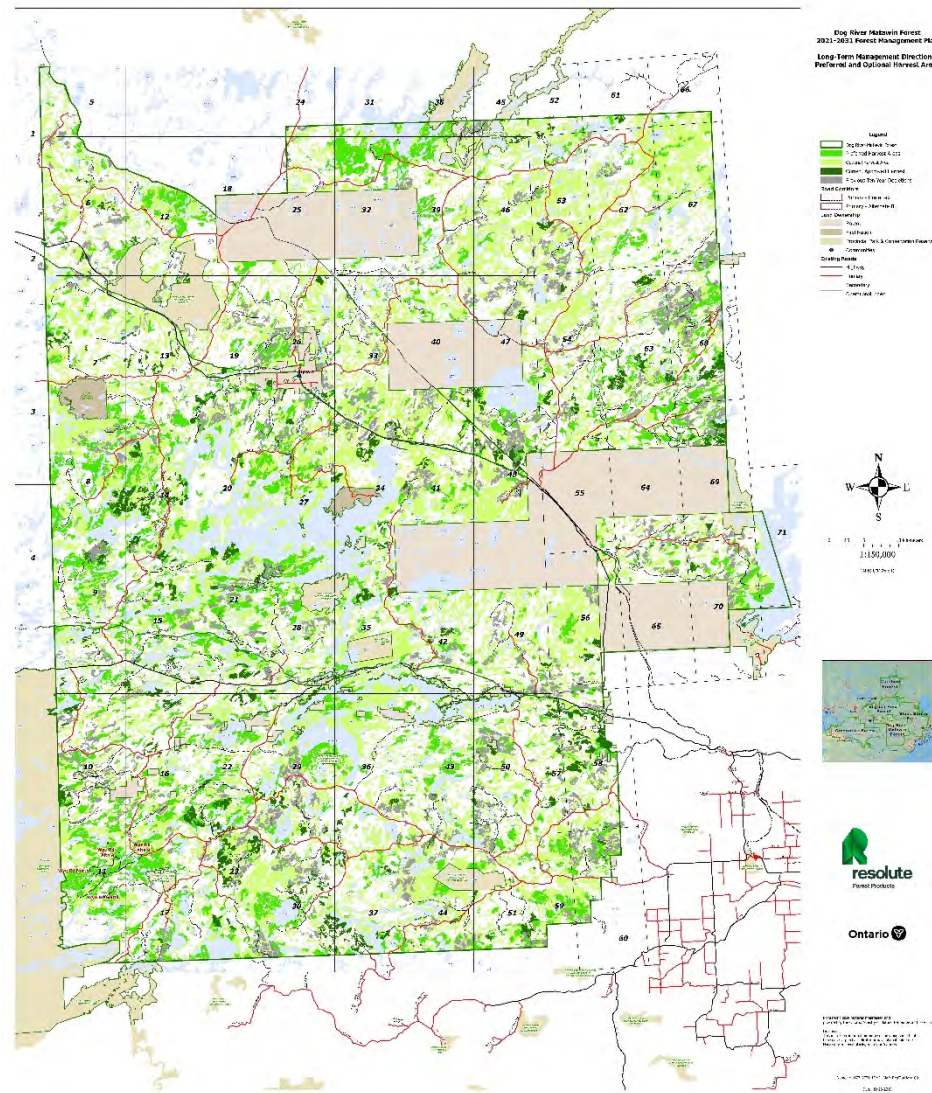
Run 5:
Balance of both harvest
and protection. Best
balance of all objectives

LTMD
Long Term Management Direction

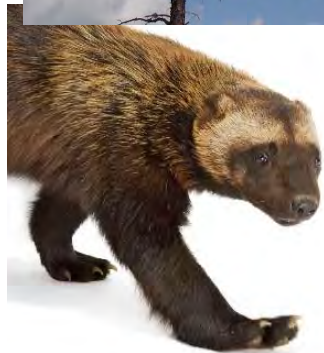
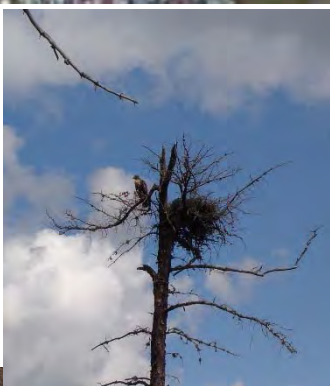
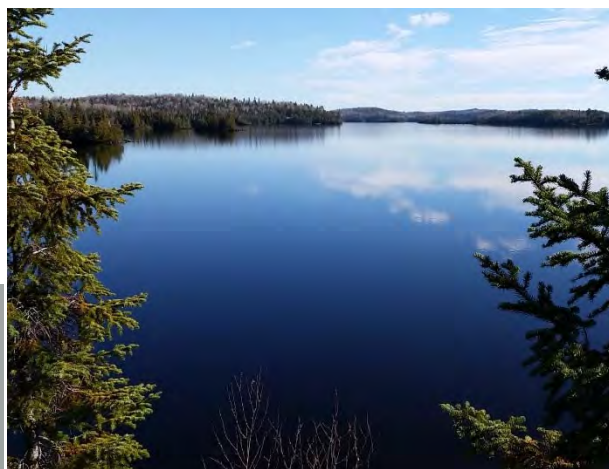
Allowable Harvest level
This is just a number at
this point



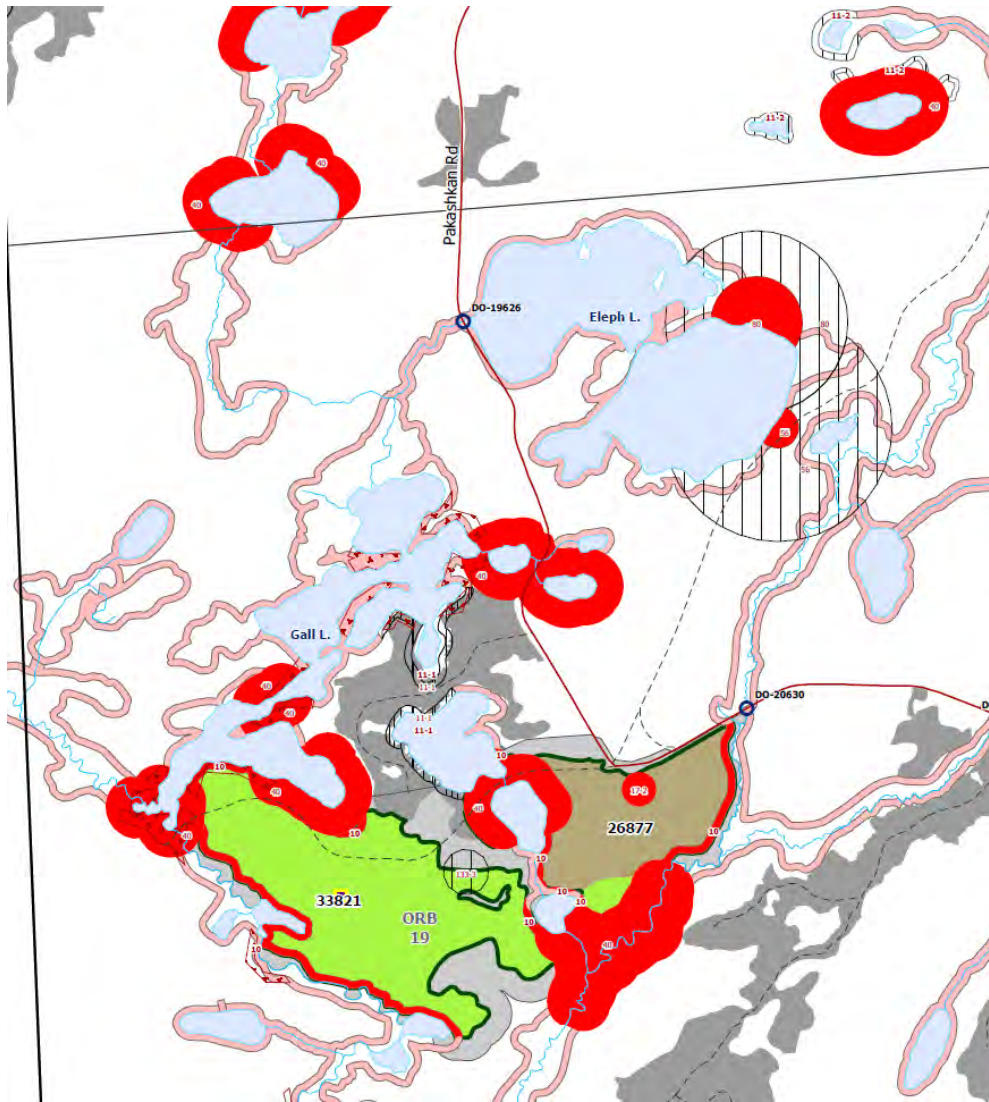
Proposed Operations



Areas of Concern Prescriptions



Proposed Harvest Areas - Example



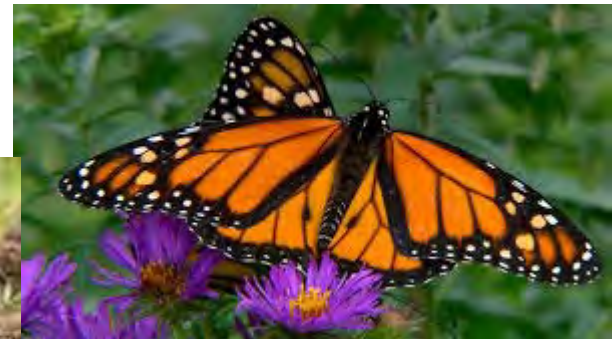
Traditional Knowledge and Values Protection

- Sweet Grass
 - What sort of protection does it require?
 - Where does it grow?
- Fish Spawning Areas
- Mineral Licks (Salt Licks)
- Other values on the landscape

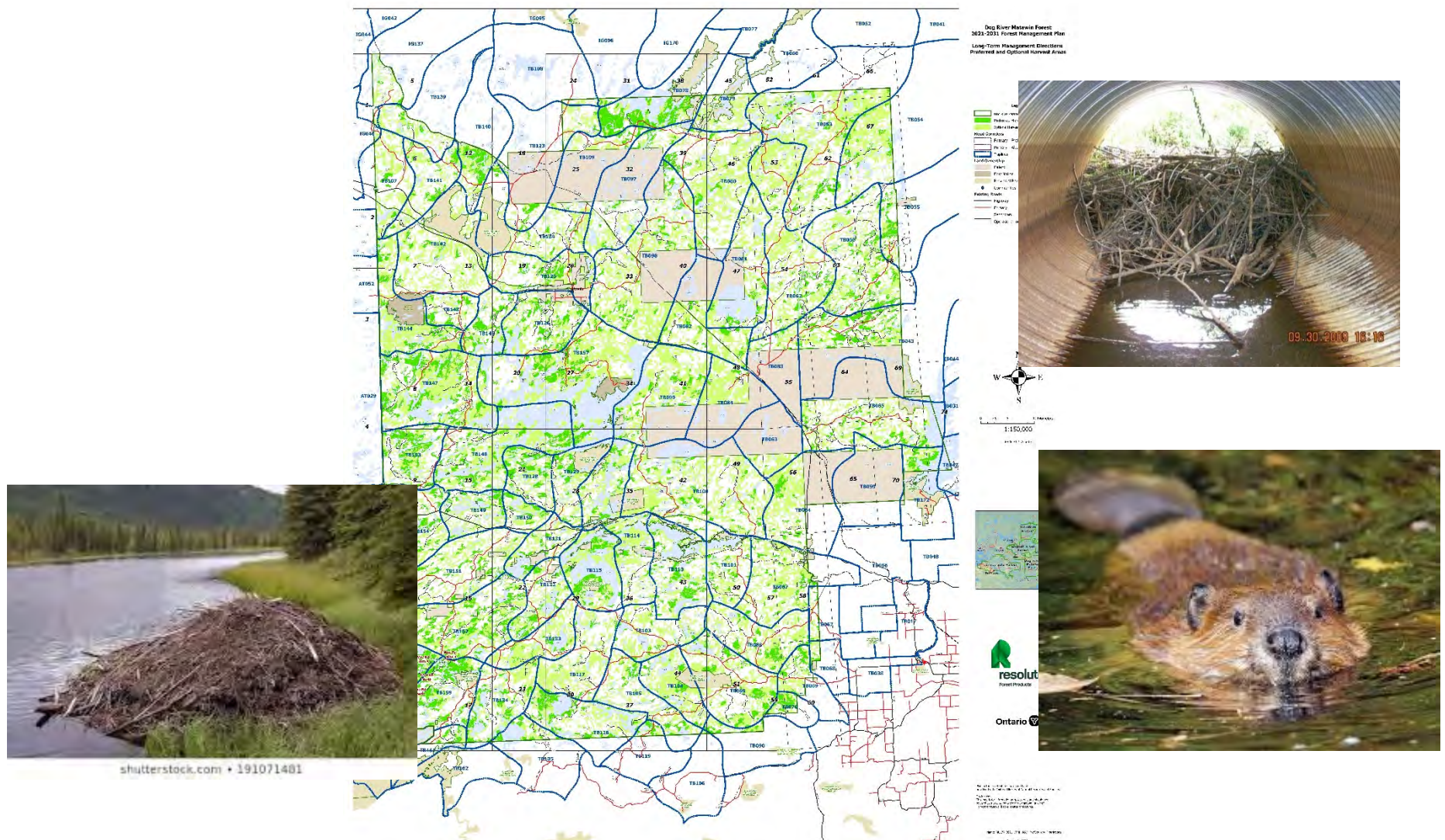


Species At Risk

- When a species is identified
 - Species are identified on the Forest
 - Descriptions are included in the Forest Management Plan
 - Range and Habitat
 - Protection included in the Forest Management Plan.
 - List of available documents on species.
- A few current examples
 - Bank Swallow
 - Bats
 - Monarch Butterfly
 - Eastern Cougar
 - Snapping Turtle
 - Kirkland Warbler



Nuisance Beaver Trapping



Miigwetch
Thank you

Questions?

