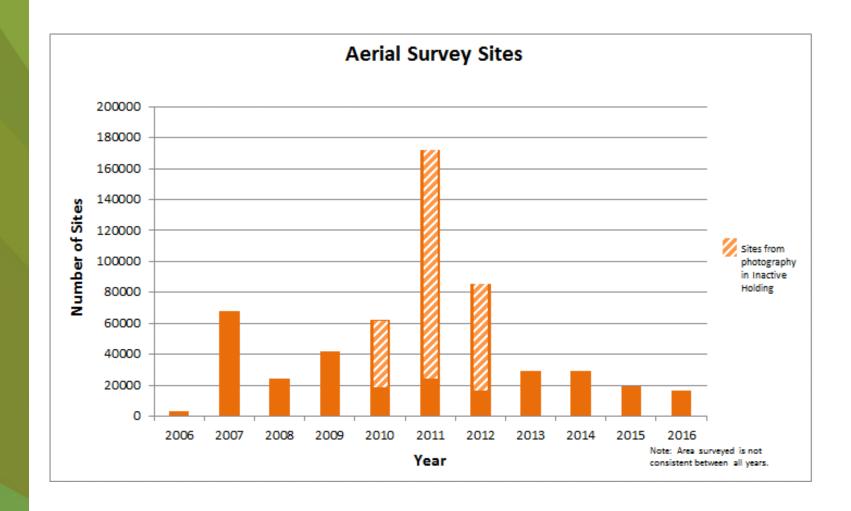


Mountain Pine Beetle in Alberta

Erica Samis
Alberta Agriculture and Forestry

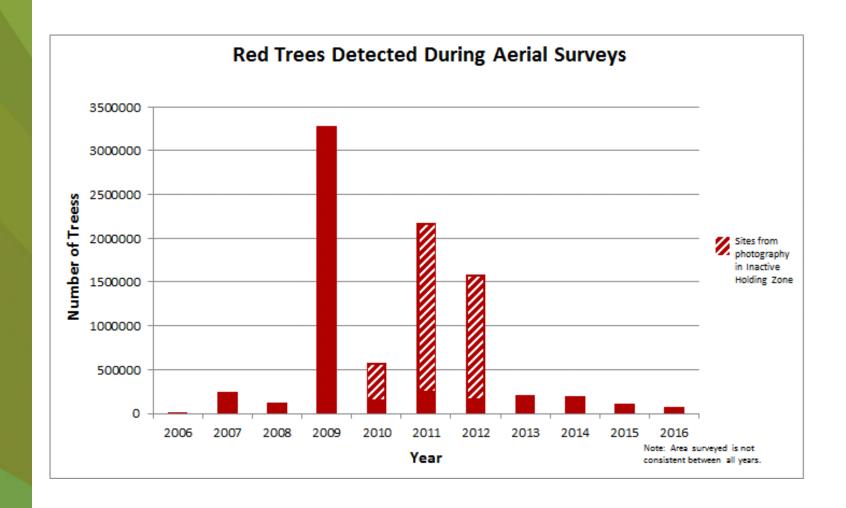
- What decisions have to be made
- How we make the decisions
- Impacts of the decisions





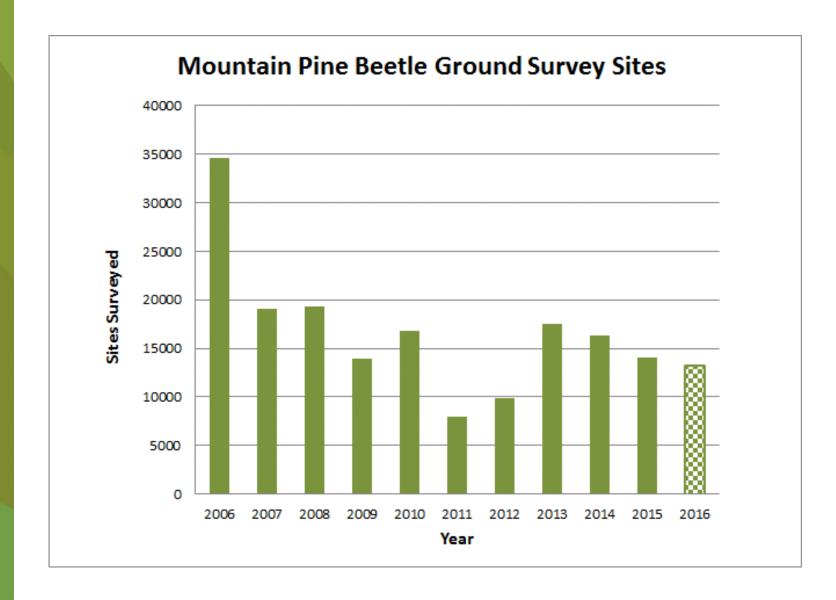






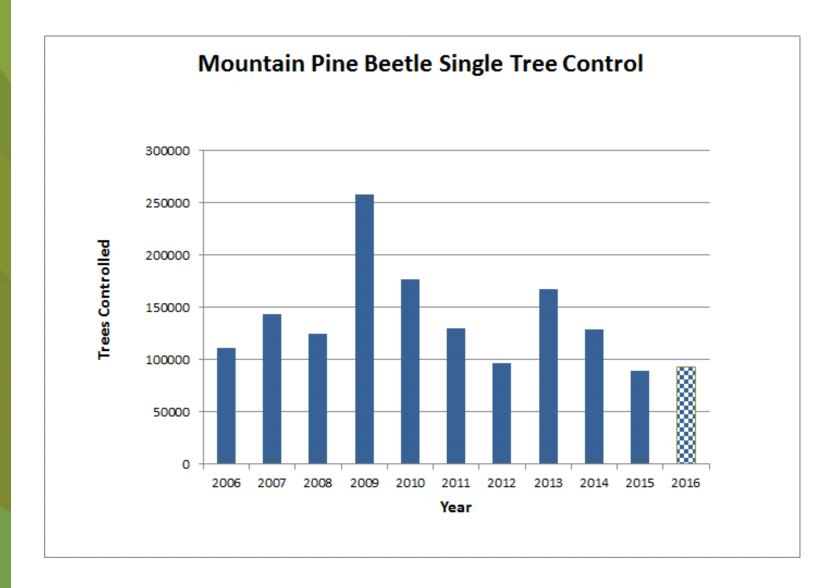






182,626 ground survey sites





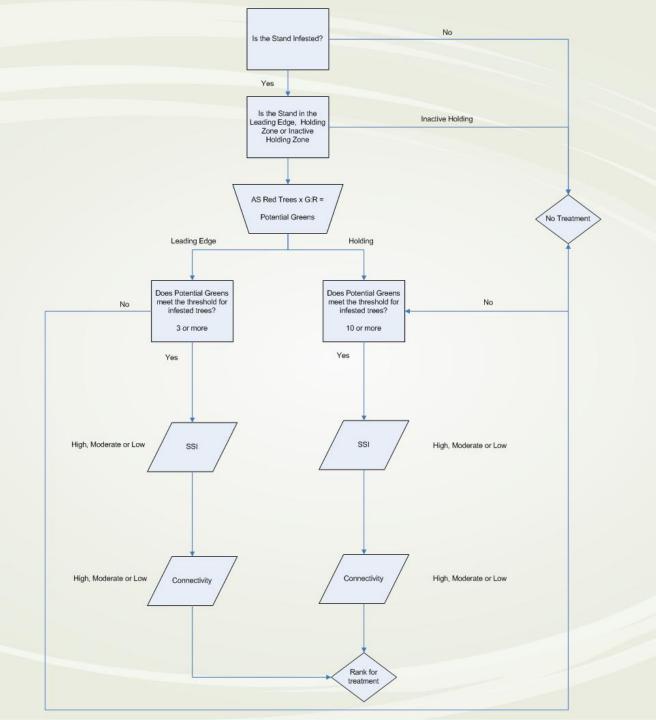


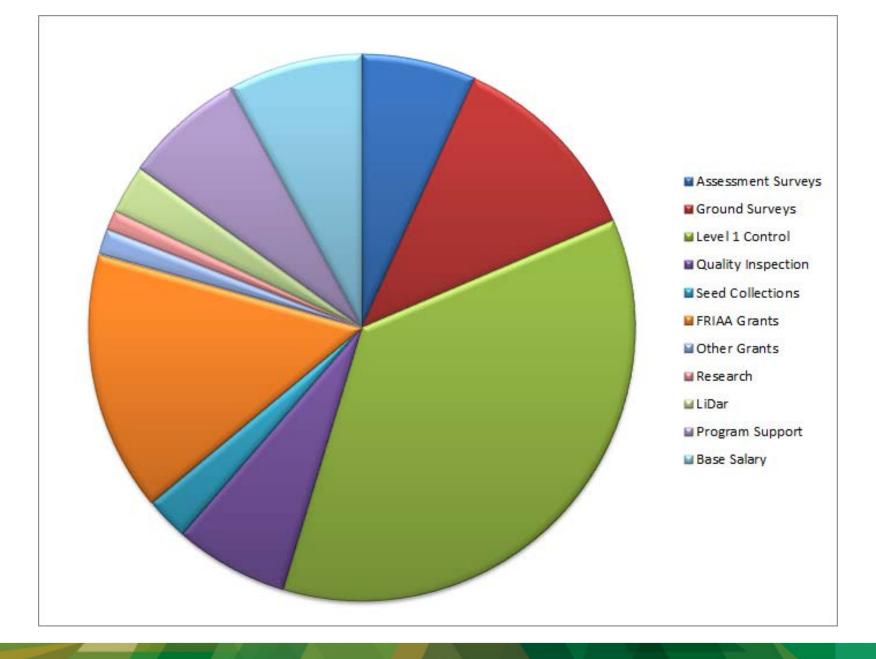


Beetle Strategy – Level 1

 What aerial surveys sites are ground surveyed and controlled?









Pine Strategy – Level 1

 What stands should be harvested as part of a landscape susceptibility reduction program?



Table 1: Pine Stand Ranking

Climate Facto (per stand)	r					Compartment Risk			
		Rank 1	Rank 1	Rank 1	Rank 1	High			
Very Suitable 1.	0	Rank 2	Rank 1	Rank 1	Rank 1	Moderate			
		Rank 2	Rank 2	Rank 1	Rank 1	Low			
		Rank 1	Rank 1	Rank 1	Rank 1	High			
Highly Suitable 0.	8	Rank 2	Rank 2	Rank 1	Rank 1	Moderate			
		Rank 2	Rank 2	Rank 2	Rank 1	Low			
Moderately		Rank 2	Rank 1	Rank 1	Rank 1	High			
Suitable 0.	0.5	Rank 2	Rank 2	Rank 2	Rank 1	Moderate			
		Rank 3	Rank 2	Rank 2	Rank 2	Low			
		Rank 2	Rank 1	Rank 1	Rank 1	High			
Low Suitability 0.	2	Rank 3	Rank 2	Rank 2	Rank 2	Moderate			
		Rank 3	Rank 2	Rank 2	Rank 2	Low			
Very Low		Rank 3	Rank 2	Rank 2	Rank 2	High			
Suitability 0.	1	Rank 3	Rank 3	Rank 2	Rank 2	Moderate			
		Rank 3	Rank 3	Rank 3	Rank 3	Low			
		0 to 30	31to 50	51to 80	81to 100				
		Pine Rating							



Forestry Divis						
Mountain Pin	e Beetle Fundir	ng and Spendi	ng			
For fiscal years 2004-05 to 2015-16						
(Millions)						

	Allocated Funding							Expenditures		
Year	Federal Contribution	Other Contribution	Supplementary Estimate	Included in Forest Mgt Budget	Budget Base Funding (BU 069)	Total Provincial Funding	Base Spending (BU 069)	Supplemental Spending	Total Expenses	
2004-05	-	-	_	_	0.95	0.95	0.95	_	0.95	
2005-06	-	-	-	-	7.04	7.04	7.04	-	7.04	
2006-07	-	-	-	50.00	2.60	52.60	2.60	46.50	49.10	
2007-08 ⁽¹⁾	8.00	-	22.00	50.00	2.60	74.60	2.60	74.40	77.00	
2008-09	-	-	18.00	50.00	5.20	73.20	5.20	54.60	59.80	
2009-10 ⁽²⁾	10.00	-	25.00	-	4.20	29.20	4.20	32.30	36.50	
2010-11 ⁽³⁾	0.37	-	30.00	-	4.20	34.20	4.20	28.20	32.40	
2011-12 ⁽⁴⁾	-	0.15	30.00	-	4.20	34.20	3.39	29.40	32.79	
2012-13 ^(5,6)	-	0.45	40.00	-	4.30	44.30	3.32	37.92	41.24	
2013-14 ⁽⁷⁾		1.10	40.00		4.30	44.30	2.68	42.33	45.01	
2014-15 ⁽⁸⁾		1.10	40.00		2.50	42.50	3.05	35.38	38.44	
2015-16 ⁽⁹⁾		1.25	35.00					34.40	35.65	
Total	18.37	4.05	280.00	150.00	42.09	394.59	39.24	345.65	455.92	



Funding Levels

- Since 2009 \$262 million has been spent on MPB management activities in Alberta
- Since 2004 total spending is \$456 million

What are we getting for the money spent?



 Need to base these decisions on the best available information.

 Through the MPBEP, have made strides towards answering these questions.



Dr. Allan Carroll

Dr. Brad Seely

Dr. Clive Welham

