

DST Objective

DST Objective is to:

```
"....... project stand conditions under a range of mortality, secondary structure and regeneration scenarios ......."
```

1. Describe Existing Stands

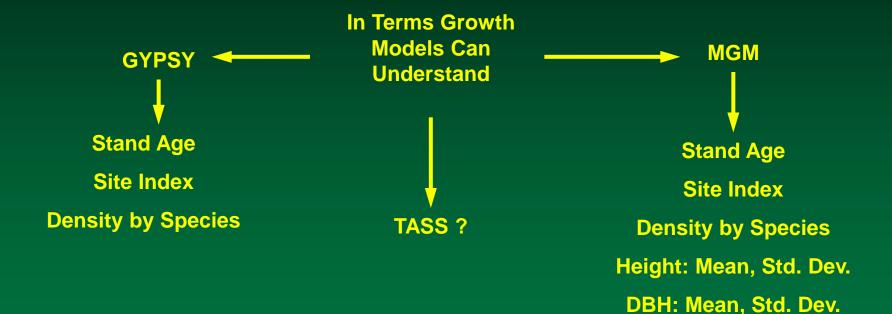
- 1. Describe Existing Stands
- 2. Define Levels of MPB Attack

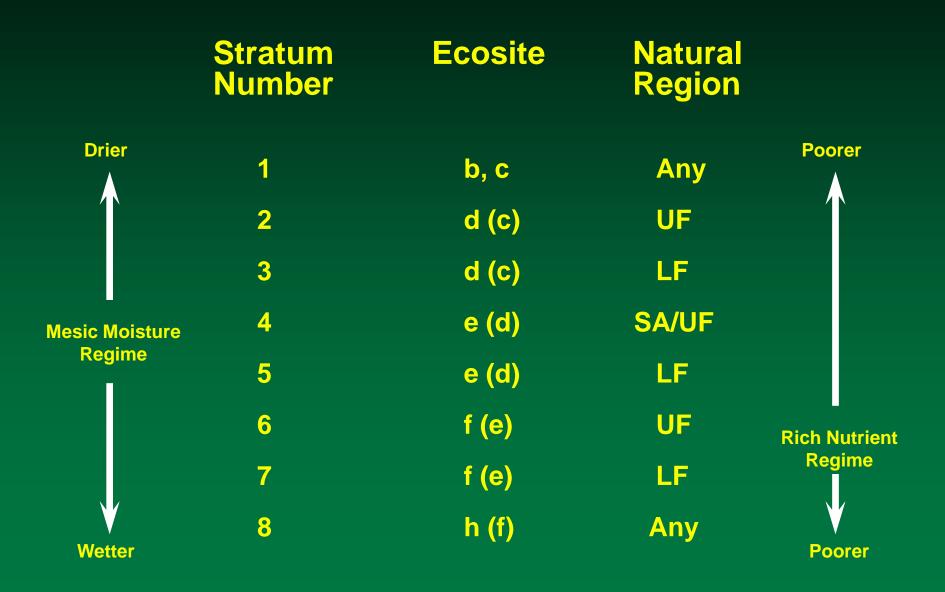
- 1. Describe Existing Stands
- 2. Define Levels of MPB Attack
- 3. Define Salvage Treatments

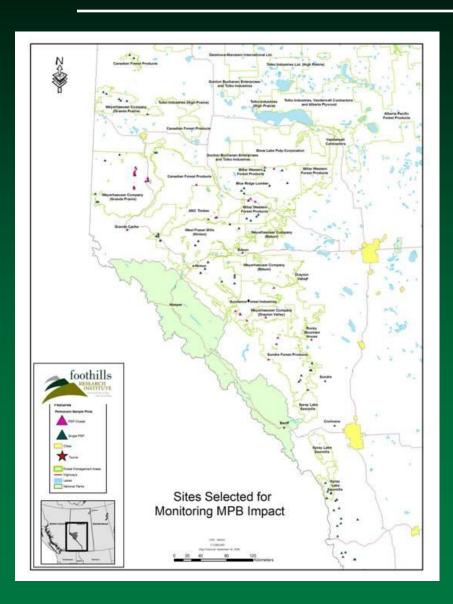
- 1. Describe Existing Stands
- 2. Define Levels of MPB Attack
- 3. Define Salvage Treatments
- 4. Define Regeneration Assumptions

- 1. Describe Existing Stands
- 2. Define Levels of MPB Attack
- 3. Define Salvage Treatments
- 4. Define Regeneration Assumptions
- 5. Post-Attack Stand Projections

- 1. Describe Existing Stands
- 2. Define Levels of MPB Attack
- 3. Define Salvage Treatments
- 4. Define Regeneration Assumptions
- 5. Post-Attack Stand Projections
- 6. DST Application Development







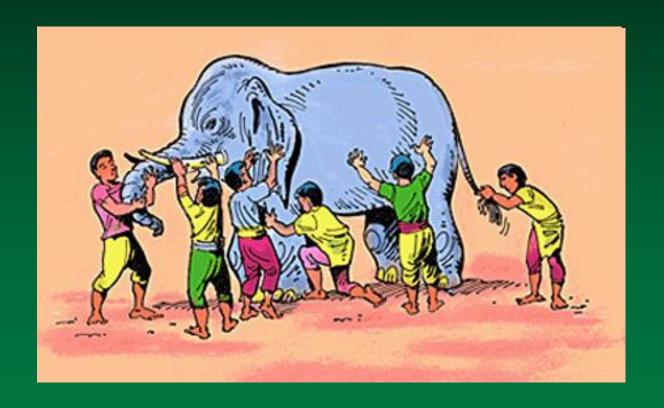
149 MPB Monitoring PSP's in:

8 Strata

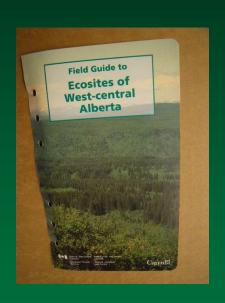
Spatially widespread - SRD + 7 FMA's

All Ages

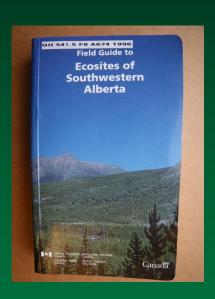
What does the elephant REALLY look like?



AHA!!







Let someone else do the sampling!

Result:

18 unique 'Stand Types' across the 8 Strata

Result:

18 unique 'Stand Types' across the 8 Strata

Represent the most common 'typical' stand types found in the 8 project strata

Result:

18 unique 'Stand Types' across the 8 Strata

Represent the most common 'typical' stand types found in the 8 project strata

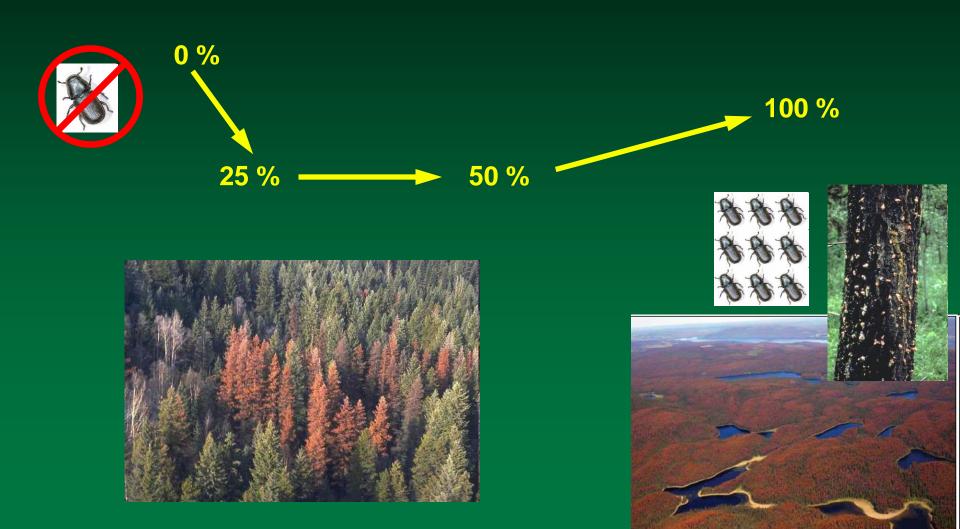
Attributes

1 layer vs 2 layer

Species composition by layer

Plot data and Ecosite Guides used for densities, heights, Site Index

2. Define Levels of MPB Attack



3. Define Salvage Treatments

No:

No removal of trees, no matter the degree of attack



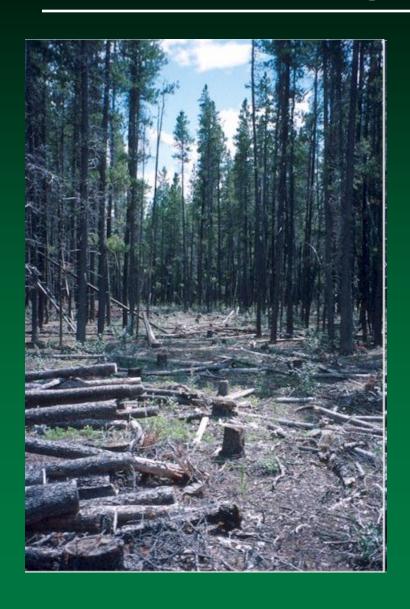
Removal of all attacked trees, no matter the degree of attack



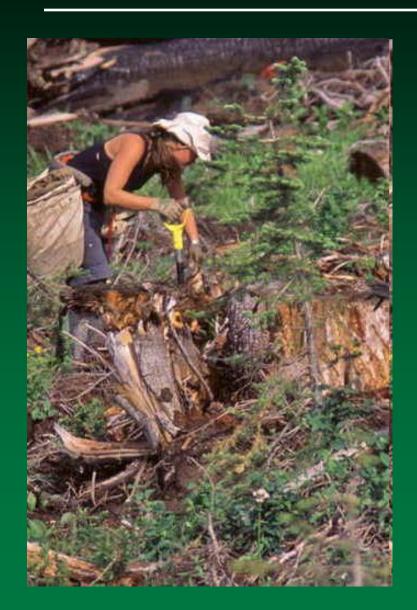




Where undisturbed by salvage, understory continues to grow

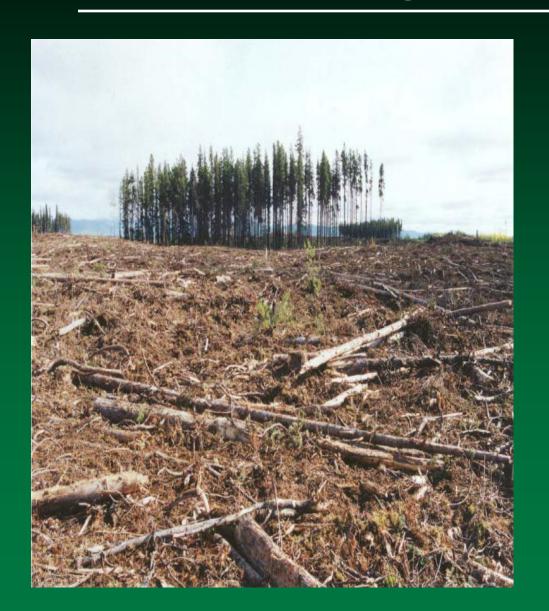


Areas disturbed by salvage recruit natural *Pine* regeneration at rates observed in FGYA RLP study



Option:

Supplemental planting of 2000 *Pine* trees/ha in salvage - disturbed areas



Option:

Scarification / site preparation to promote natural regeneration

Only after salvage in 100% MPB attack

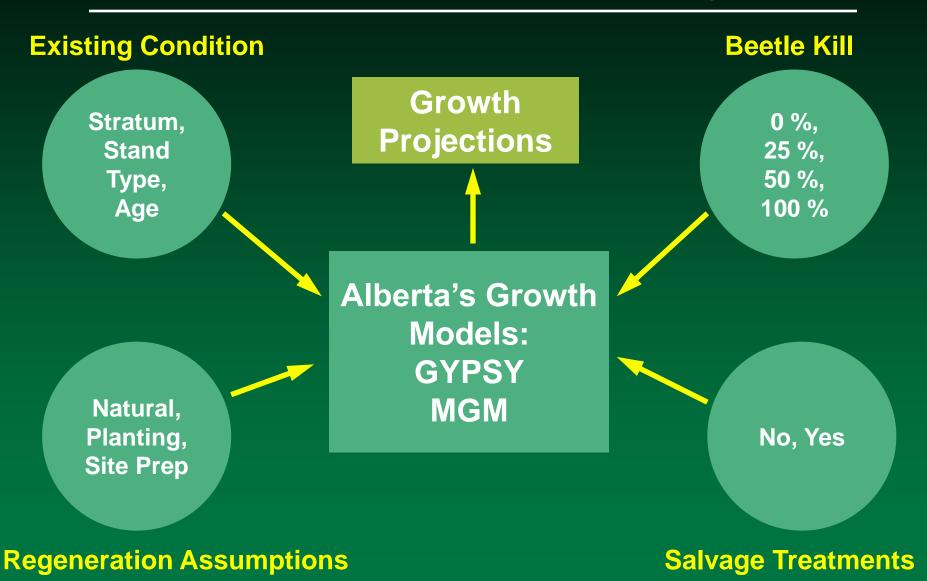
5. Post Attack Stand Projections



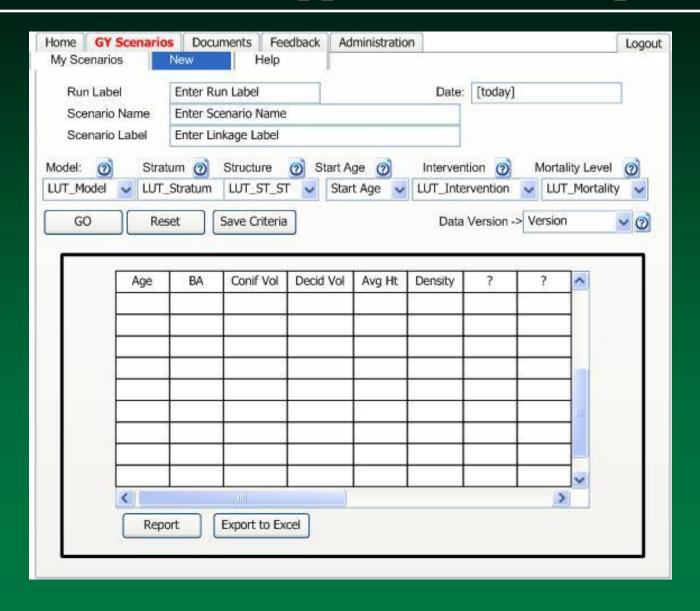
Regeneration Assumptions

Salvage Treatments

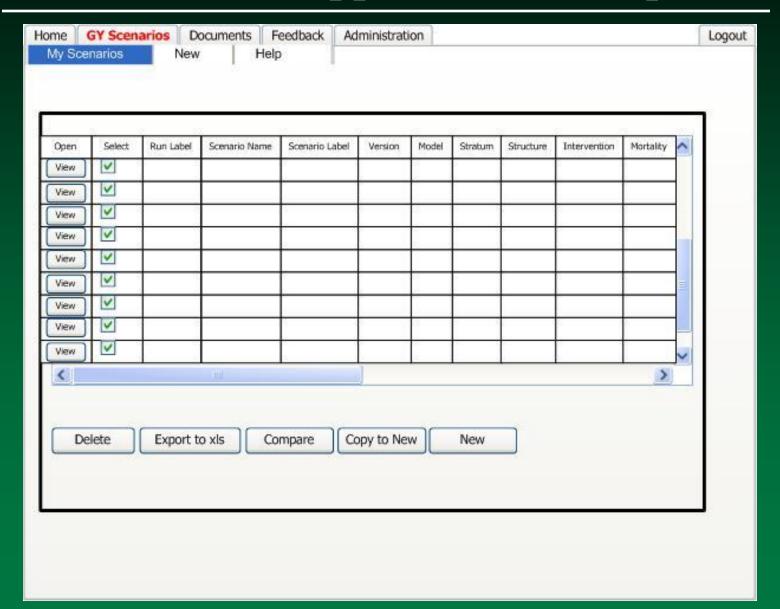
5. Post Attack Stand Projections



6. DST Application Development



6. DST Application Development



6. DST Application Development

