

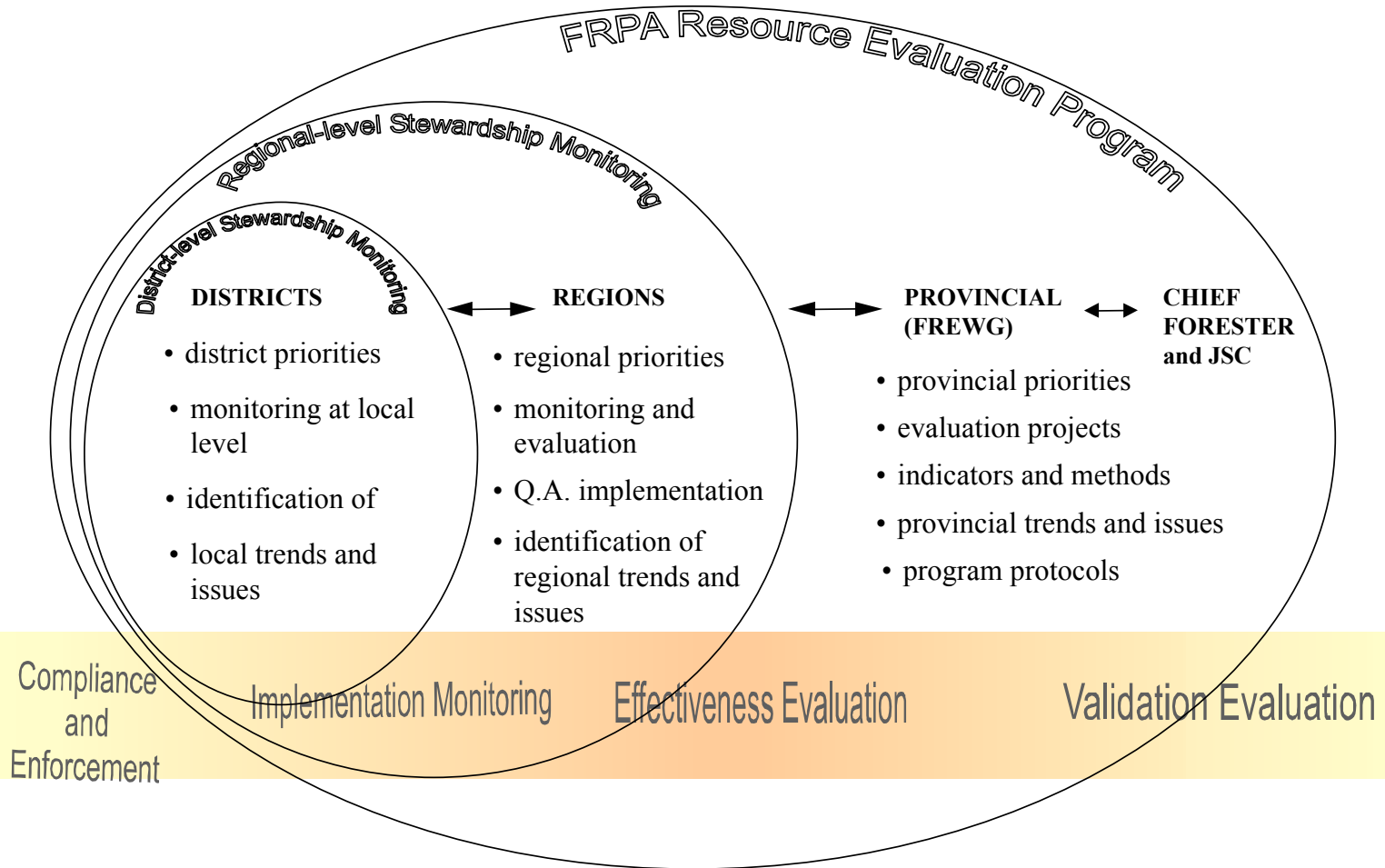
FRPA Resource Evaluation Program



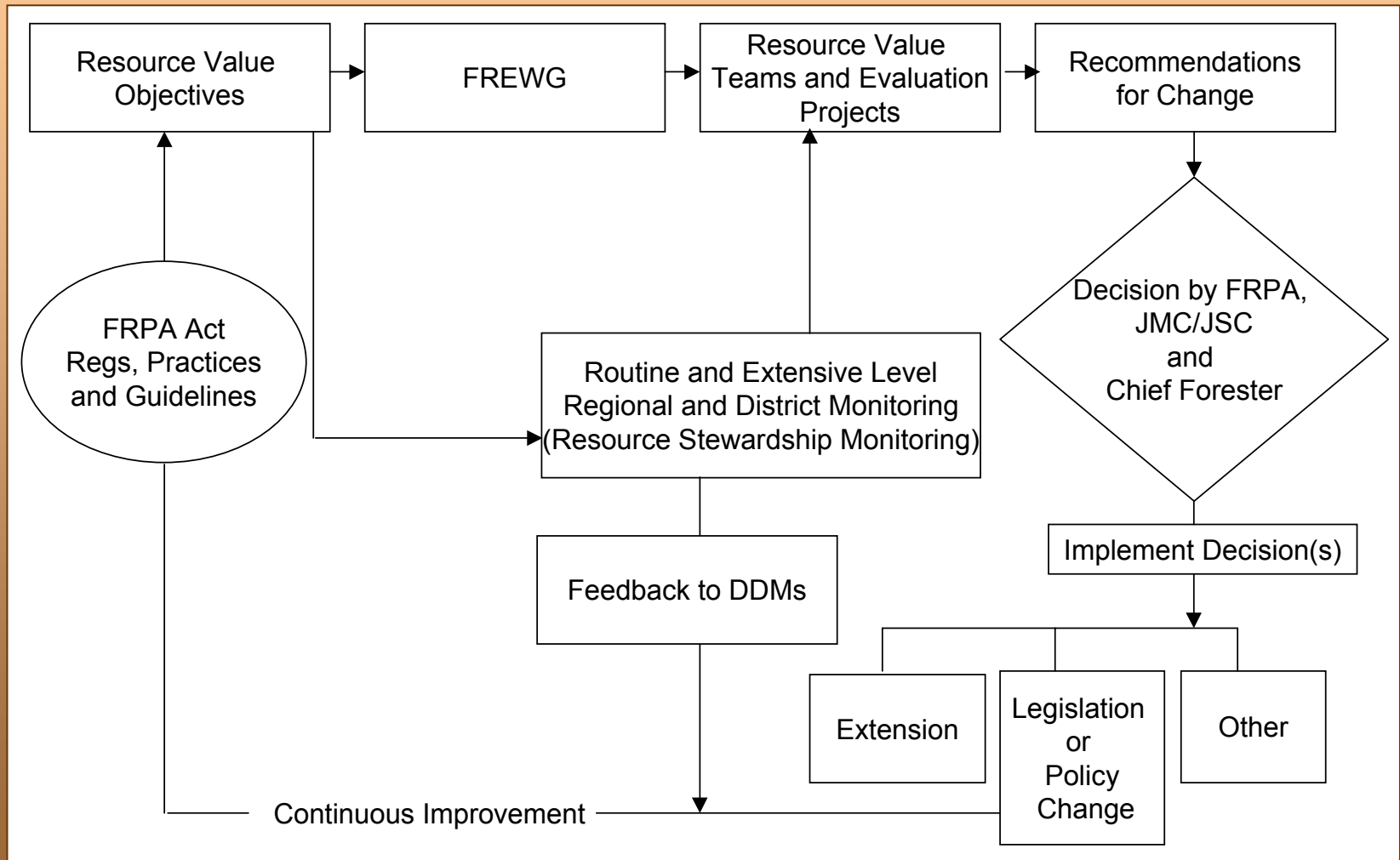
FREP Objectives

...to determine if forest and range policies and practices in BC are achieving government's objectives for FRPA resource values...

FREP Structure



FREP Continuous Improvement Cycle



Resource Stewardship Monitoring Pilots

Test the proposed model including:

- Indicators and protocols



- Site selection criteria

- Quality assurance (including training)
- Data collection and analysis

Stand-level biodiversity indicators

- % Area retained
- Presence of Ecological Anchors
- Trees WT Class 3+
- Tall Trees WT Class 3+
- Large Trees (>50cm)
- CWD

Stand-level biodiversity results

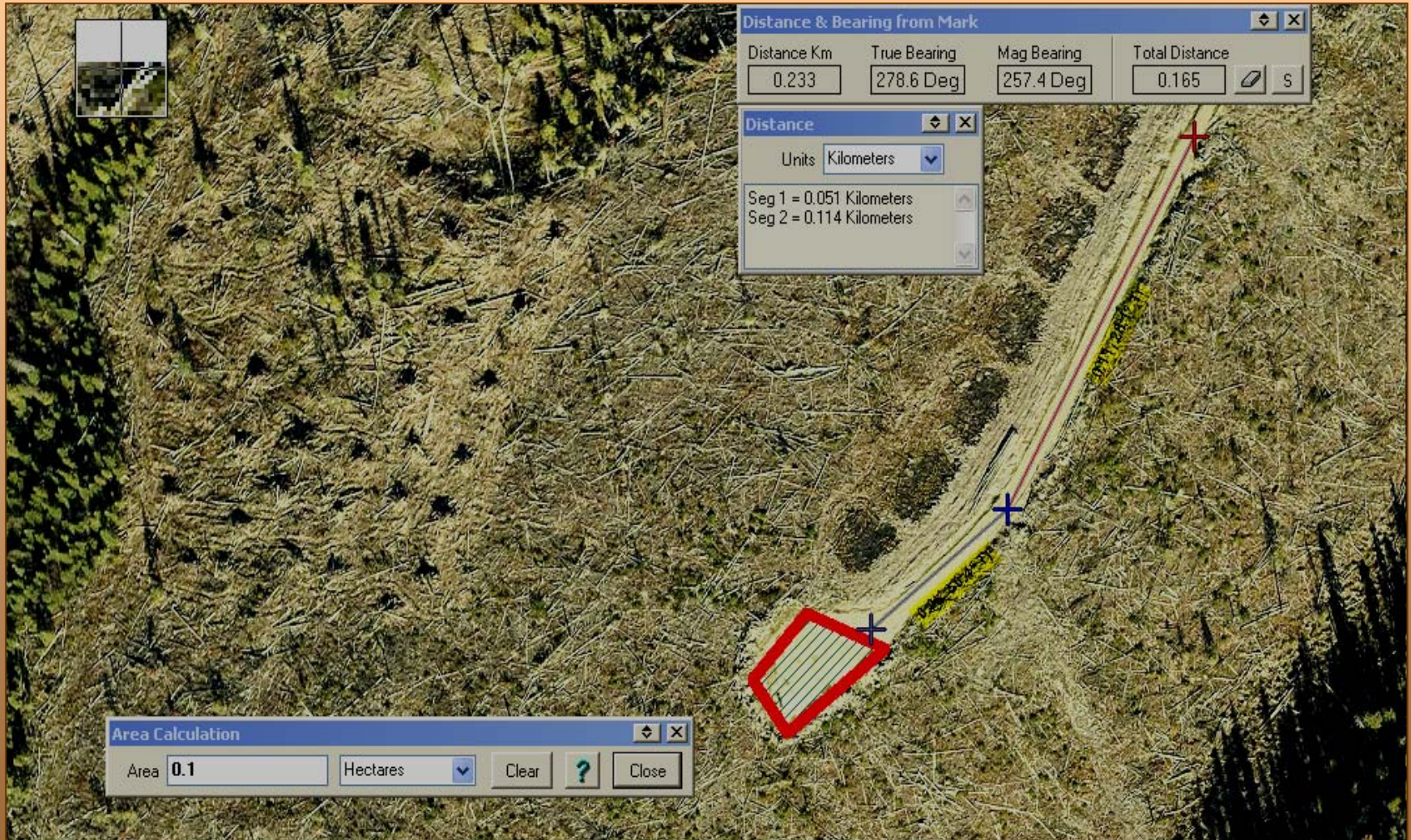
- Six districts -- 39 blocks
- 100% of cutblocks had retention
- 59% with ecological anchors
- Average retention 28% (5% unconstrained)
- Windthrow
- Risk ratings -- 15 low, 7 moderate, 2 high, 1 very high



Soils indicators

- % access structures
- Area of landslides, drainage diversion and erosion caused by access
- Disturbance to natural drainage patterns
- Soil disturbance hazard and level
- Green tree retention

Soils -- air photo analysis



Riparian indicators

- Channel bed disturbance
- Channel bank disturbance
- LWD processes
- Channel morphology
- Aquatic connectivity
- Fish cover diversity
- Moss abundance and condition
- Fine sediments
- Aquatic invertebrate diversity
- Windthrow
- Riparian soil disturbance
- LWD supply
- Shade & microclimate
- Disturbance-increaser plants

Riparian results



- 5 districts -- 47 sites
- 19 functioning, 8 at risk, 9 non-functioning
- 16/22 -- S6 streams with problems
- Fine sediment -- road related

The Pilots -- Lessons Learned

- Training
- Ease of use
- Digital
- Consistency
- Air photos
- Resources
- On-site validation
- Integrate stand and landscape
- Licensee cooperation needed
- Big picture
- QA



We're ready to go!

Implementation in 2005



- Biodiversity
- Riparian

New pilots in 2005

- Soils
- Water quality?
- Other value(s)?



Resources -- staff

Implementation:

- 10 days/district per value (20 sites each value)
- 2005 -- 2 values -- 20 field days/district
- 2006 -- 4 values -- 40 field days/district
- 2007 -- 6 values -- 40+ field days/district

Pilots:

- 5-10 field days/value for each participating district

Issues and Decisions

- Top down direction
 - memo
 - service plan and IPMs
 - EPDPs
- Number of districts involved
 - implementation
 - new pilots
- Number of sites per value

