

Management and Mayhem: Some Lessons from Fiona

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ASF Currently Administers:

- Private Land Silviculture Funding
- **Training for NRR/Industry/Private Land Practitioners**
 - Forest Ecosystem Classification (FEC)
 - Pre-Treatment Assessment (PTA)
 - Biodiversity Assessment Module
- Tropical Storm Fiona Cleanup
 - Non-Industrial Private Land
 - Industry Contractors

ASF Silviculture Treatments

- **Fill Planting**
- Full Planting
- Early Competition Control
- Pre-Commercial Thinning (Natural /planted)
- Commercial Thinning
- Selection Management
- Crop Tree Release
- Crop Tree Pruning

Fill & Full Planting ECC





Pre-Commercial Thinning (PCT)



Post-Fiona PCT

Coarse Woody Material, from Silviculture



Coarse Woody Material, from Fiona







Early successional impacts



Commercial Thinning



Commercial thinning cleanup



Irregular shelterwood cleanup



There's a brook here somewhere











Current Fiona Cleanup Eligibility

$\geq 50\%$ windthrow (>15 deg from vertical) in area claimed

Categories & Rates

- **$> 75\%$ windthrow – Severe (475/ha)**
- **$50 - 75\%$ windthrow – Moderate (250/ha)**
- **\geq Moderate but variable – Blended (365/ha)**
- **$\geq 50\%$ windthrow with $\geq 50\%$ hardwood (1000/ha)**

Clean-up Standards

Area claimed:

- Must have evidence of wood products removal
- Must be left in a condition suitable for natural regeneration or planting, with potential for 70% stocking to commercial species at 2.4m spacing
- Future silviculture ops must not be hindered by hazardous trees or excessive material

Example of Cleaned-up Site





Boundary Line ID or Retracement

Boundary line length claimed:

- Must be adjacent to areas which qualify for clean-up
- Line location must be clearly marked (flagging tape)
- Any boundary retracement/establishment must be carried out under the supervision of a licensed NS land surveyor



A few Fiona takeaways

- Storms and effects can be unpredictable
- Don't put all silviculture eggs in one basket
- Pre-commercial treatments may be preferable
- Maintain several successional stages in woodlot
- Landscape-level diversity and succession
- Consider site safety during cleanup
- Magnitude of wildfire risk still being assessed
- NRR working to correlate site characteristics with windthrow susceptibility

Road Post-Fiona



Road Post-Cleanup



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