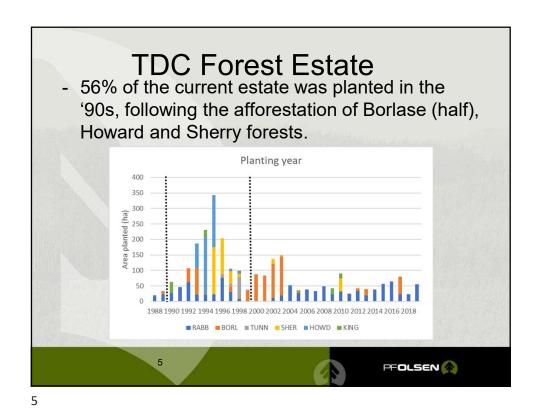
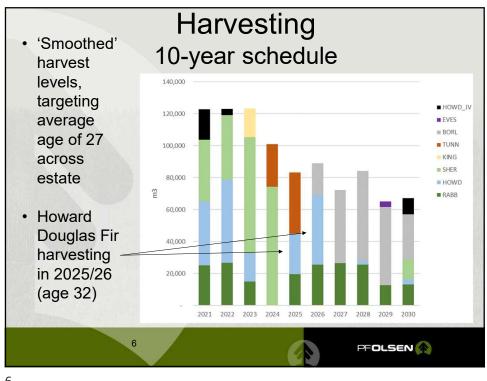


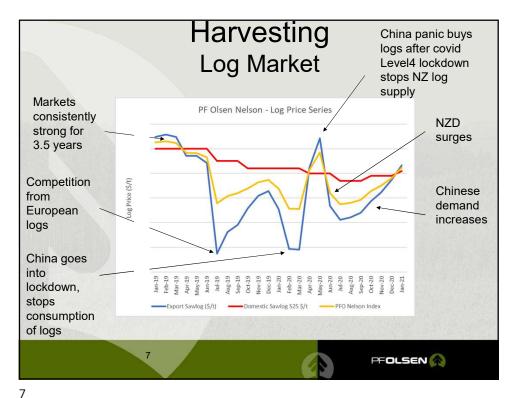
# Management of the Estate

- PF Olsen has been managing the TDC Forest Estate since 1992
- PF Olsen manages the Estate as per the Forest Management Plan (circulated) which is produced every 5 years in consultation with the TDC.

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## Harvesting Log Market

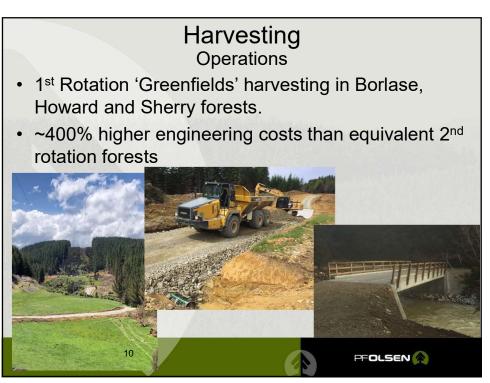
#### Log market outlook

- Domestic demand is strong with buoyant NZ construction activity
- Export market outlook is positive
  - China reporting strong economic growth prospects = construction levels increasing

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## Harvesting

#### **Operations**

- Harvesting contractors invest roughly \$2M in equipment per crew which improves productivity and safety.
- They need certainty in work program to justify investment
- TDC Forests contribute to the work program of four harvesting crews, all with different configurations for different terrain in the Estate

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### **Forest Management**

- Use top quality genetic seed stock
- Clearwood (pruning)
   regime at Rabbit Island –
   enables biosolids
   application
- Framing (unpruned) regime in other forests - <u>currently</u> most economical regime



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## Forest Management

- Maintain roads networks to high standard
  - Recently renewed signage
  - Regular road maintenance program
- Invest money in fire preparedness
  - Water point maintenance
  - Fuel reduction spraying/mowing



## **Forest Management**

- Forest Retirement plans
  - Kingsland forest: Recreation values
  - Rabbit Island 30m marine margin:
    Recreation values
  - Borlase/Sherry: Considering some environmental/economic retirements

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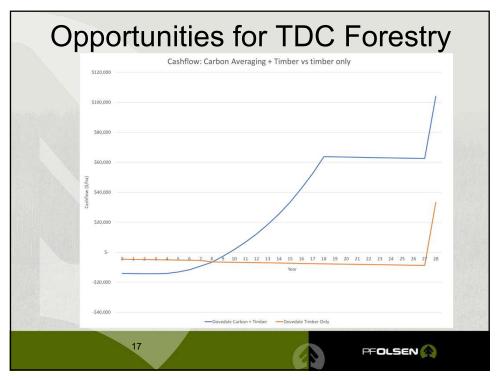
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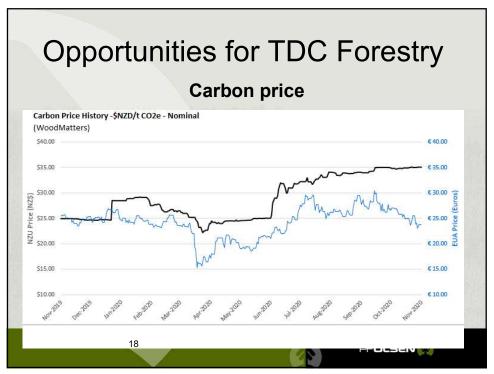
# Opportunities for TDC

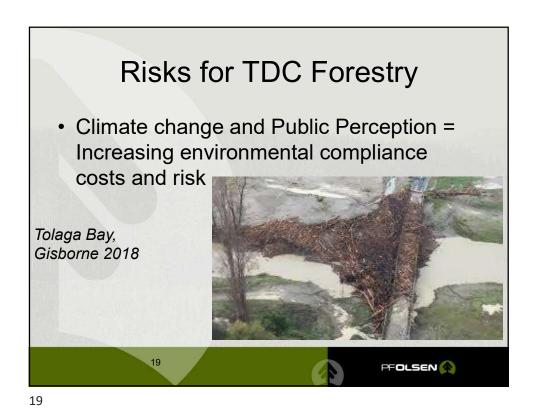
- Two options investigated for purchasing 50ha Dovedale site:
  - Carbon and Timber
    - Land price = \$12,000/ha (farmland)
    - IRR = 14.78%
  - Timber only
    - Land price = \$2,500/ha (forest cutover)
    - IRR = 6.83%

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Summary

- TDC Forestry's economies of scale
- Smoothed harvesting model
- Domestic log market strategy
- Opportunity to maintain or increase economies of scale with carbon

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