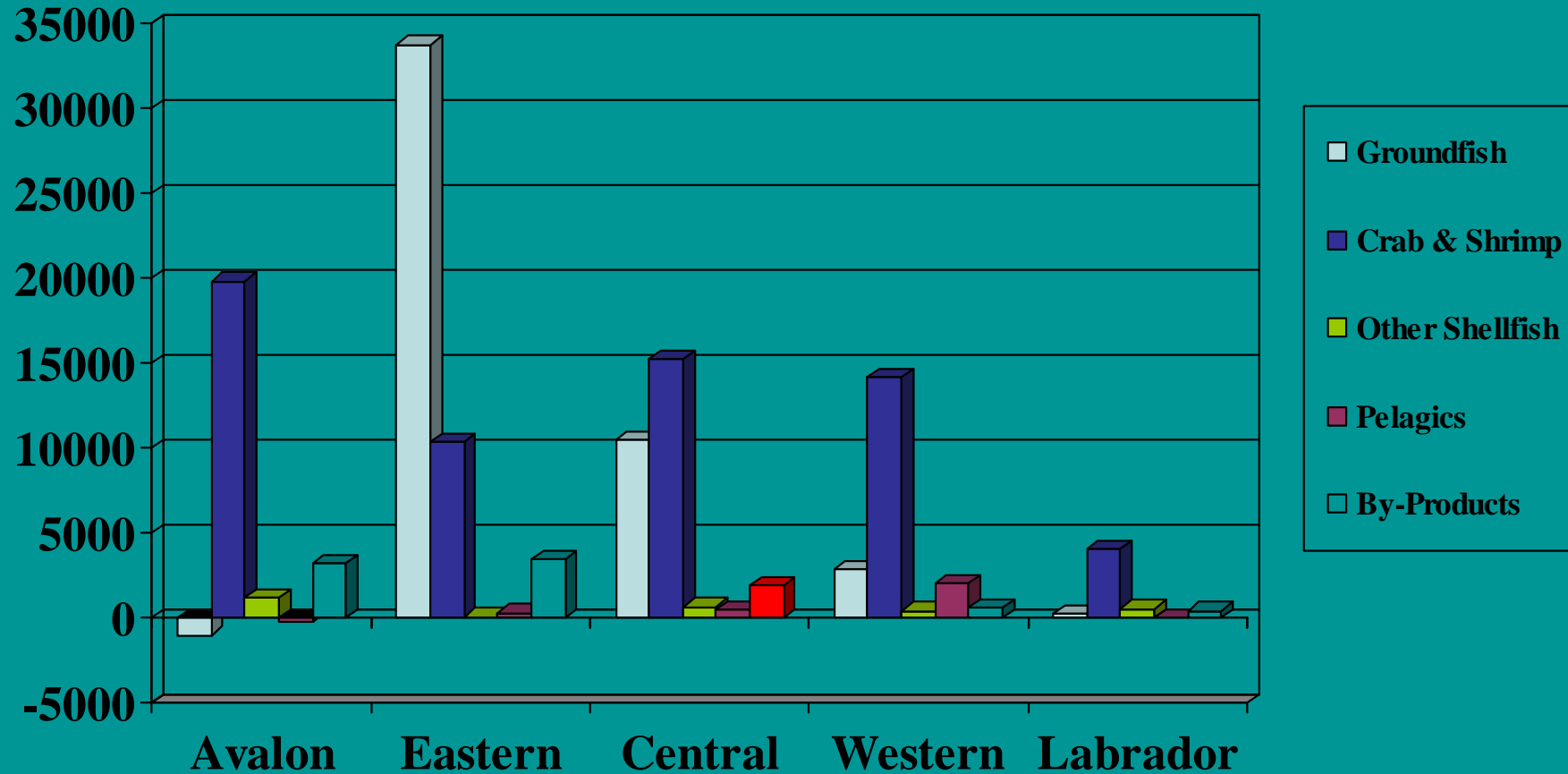


Fish By-Products Availability and Utilization

Newfoundland and Labrador
Department of Fisheries and Aquaculture

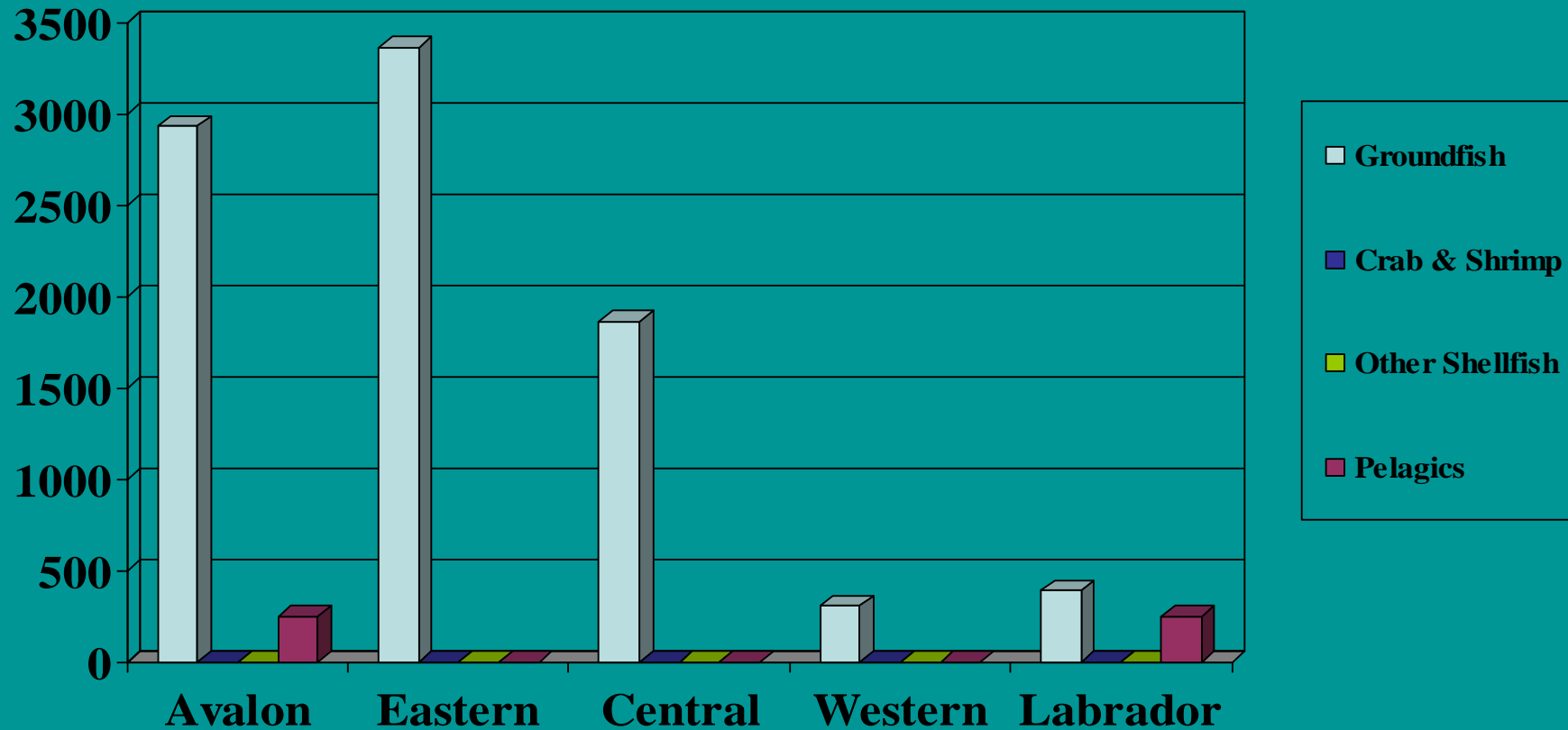
Newfoundland and Labrador Fish Waste by Region 2003

Tonnes **Total Available Waste - 115,263 Tonnes**



Newfoundland and Labrador Waste Utilization by Region 2003

Tonnes **Total Waste Utilized – 9,417 Tonnes**



Solutions and Constraints

- Silage
- Dried Shell
- Chitin, Chitosan
- Fish and Animal Feed
- Compost
- Fertilizer
- Others
- Dehydration
- Stabilization/Shipping
- Prices
- Market Development
- Processing Technology

Technical Challenges

- Development of cost effective silage de-hydration techniques
- Chitin/Chitosan extraction using less chemicals
- Water removal from crab and shrimp shell
- Stabilization and compaction of crab and shrimp shell
- Filtration of plant process water through peat or other materials
- New compost techniques
- Liquid fish fertilizer

Ensiling Tanks (Valleyfield)



Shrimp Shell Dryer (Old Perlican)



Thank you.

For further information, contact:

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