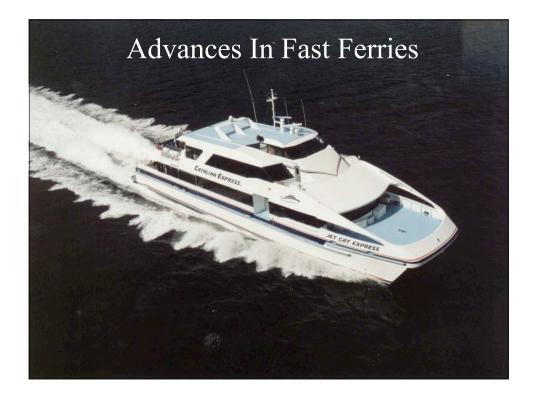
Matt Nichols:

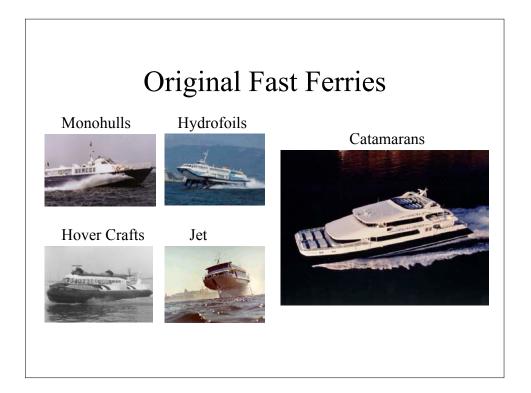
- Puget Sound:home to world-class boat builders
- New high speed jet catamarans w/low wakes handle rough water
- Success of Aqua-Express (Kingston to Seattle) pax ferry
- New technologies also have military uses - Sea Fighter (next slide)

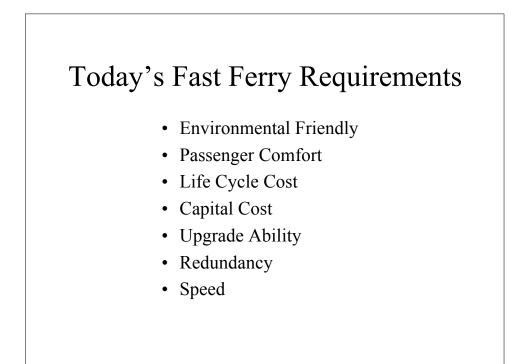






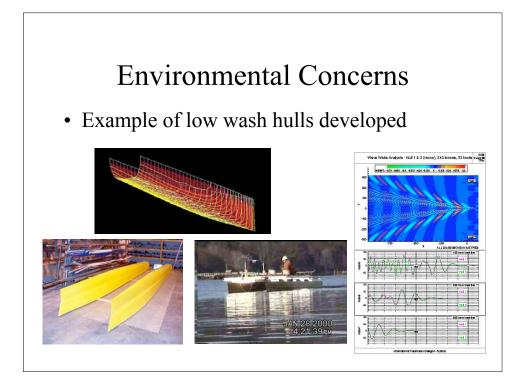






Environmental Concerns

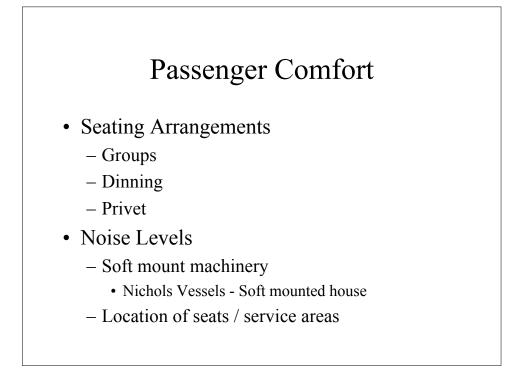
- Wake Wash
 - Early Vessels
 - Shore erosion, damage to shore side facilities and danger to other vessels
 - New Vessels
 - All hulls modified to give off less wake
 - Hulls developed to meet specific wake requirements
 - Continual research

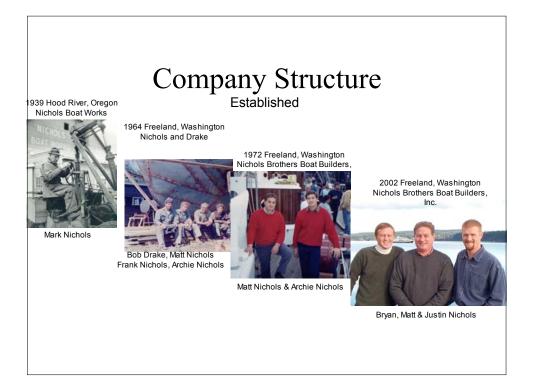


Environmental Concerns

• Emissions

- Diesel Engines
 - All major engine suppliers sell IMO compliant engines
 - IMO requirements deal with NOx (Nitrogen Oxides)
 - » Ozone depleting substance
 - Electronically controlled engines allow further NOx reduction
 - Results
 - » Less fuel efficient
 - » More smoke from unburned carbon



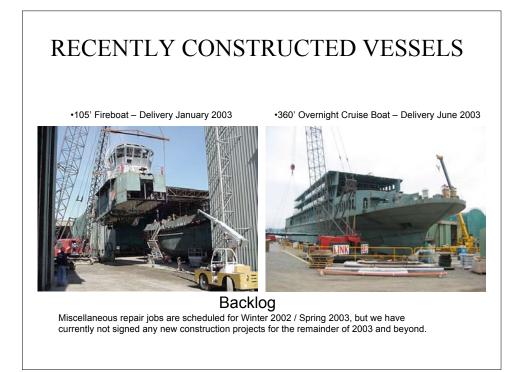


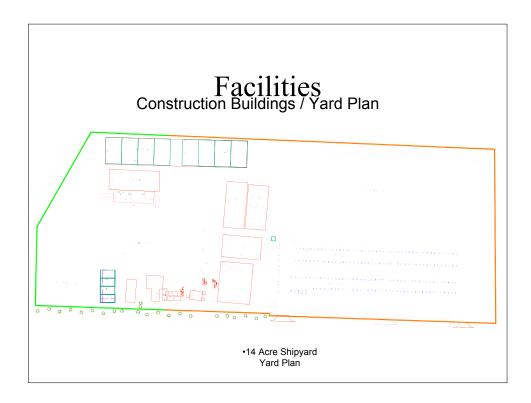


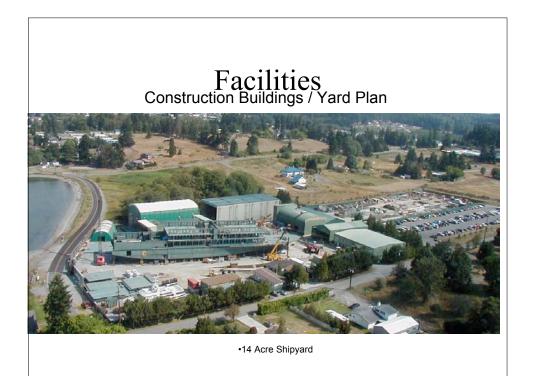


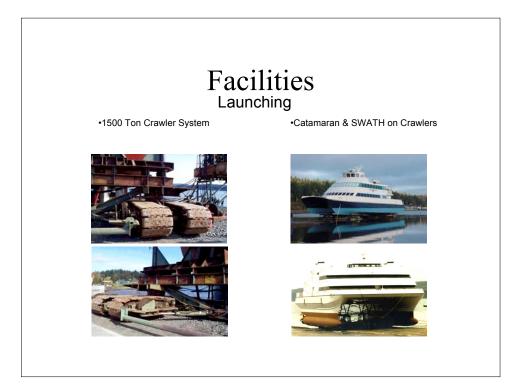


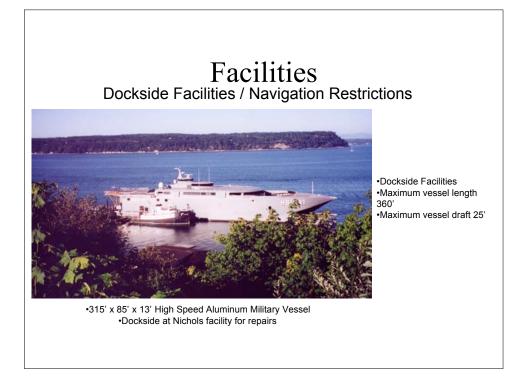












Cuantity 00 Ton hydraulic driven crawler inching machine 1 0 Ton link belt Crawler Crane 1 120 boom 1 Ton Manitowac Crawler Crane 1 90' boom 1 Ton Grove Hydraulic crane 1 175' boom 1 Ton P&H Hydraulic crane 1 64' boom 2 ton Drott hydraulic crane w/ 2 ton Boom truck 56' extending om 1 o 9 ton forklifts 8 an lifts 11 issor lifts 9	tem (Description, size, capacity, tc.) 500 Ton hydraulic driven crawle aunching machine 50 Ton link belt Crawler Crane //120 boom 5 Ton Manitowac Crawler Crane //90' boom 5 Ton Grove Hydraulic crane //175' boom 0 Ton P&H Hydraulic crane //64' boom 0 Ton Drott hydraulic crane //64' boom 0 ton Boom truck 56' extending oom to 9 ton forklifts Aan lifts cissor lifts to 2 ton overhead cranes
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