Worldwide Small Port Analysis

Background

- Vision and Preliminary Work
- Quick Look
- DCD-Trans Sponsored Effort
- ERDC Sponsored Effort

Perception

- Purpose Misunderstood by Some
- Small Port Analysis
- Multiple Beneficiaries
- Not Trying to Duplicate Other Work

Worldwide Small Port Analysis

Data Collection Methodology

- Bottom up process
- Scan charted shoreline features
- Identify & document potential areas
- Document published small ports
- Populate small port data points & reference links
- Determine & document RPE potential

Worldwide Small Port Analysis

Data points

COCOM AOR
Country
Region

Port Name
Latitude
Longitude

Tidal Range
Cargo Ops
Max Length
Control Depth
Control Width
Navigation Aids

Terminal Name
Terminal Type
Turning Basin Diameter
Turning Basin Depth

Berthing Facilities
Facility Type
Facility Remarks
Berth Number / ID
Berth Depth
Pier Length

Shore Gradient
Shore Remarks

Rapid Port Enhancement
Overall Remarks
Lightweight Causeway
Near-shore Breakwater
Pier Enhancements
On-shore Infrastructure
Expedient Dredging

Reference Links
Nautical Chartlet
Topographical Maplet
World Port Index
Sailing Directions
Internet Sites
Other Data Sources

Worldwide Small Port Analysis

Current Status

- **Quicklook Dec 02 (282 Ports)**
- **CENTCOM Jun 03 (61 Ports)**
- **PACOM On-Going (500+ Ports)**
- **EUCOM not funded**
- **SOUTHCOM not funded, not started**
- **NORTHCOM not funded, not started**

- **Interim Total = 600+ Ports**

Worldwide Small Port Analysis

Conclusion

- Focus on Small Ports
- Envisioned as JLOTS Bare Beach Alternative
- Where Should This Effort Go?
  - ✓ Continue to Collect and Analyze Port Data
  - ✓ Construct Database or
  - ✓ Populate an Existing Database
  - ✓ Validate Data by Physical Survey
  - ✓ Develop a Port Characterization Model