

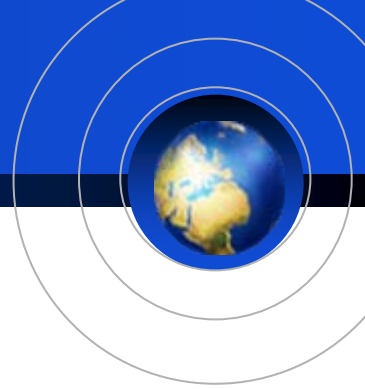
Korean Inland Waterway(ARA line)



28 September 2010

Korea Hydrographic & Oceanographic Administration

I. GENERAL INTRODUCTION OF KHOA



Histroy

Hydrographic Div.
Operations. Dept. Navy

[1949]

Hydrographic Office
Ministry of Transportation

[1963]

National Oceanographic Research
Institute, Ministry of Maritime
Affairs and Fisheries

[1996]

Korea Hydrographic & Oceanographic
Administration, Ministry of Land, Transport,
and Maritime Affairs

[2008]

Organization

❖ 4 Divisions, 2 Offices, 3 Regional Offices

Director General

General
Service
Div.

Oceano-
graphic
Div.

Survey
Div.

Nautical
Chart
Div.

Ocean
Research
Office

Marine
Territory
Office

South Sea Hydrographic & Oceanographic Office

East Sea Hydrographic & Oceanographic Office

West Sea Hydrographic & Oceanographic Office



Korea Hydrographic & Oceanographic Administration

I. GENERAL INTRODUCTION OF KHOA



Korea's Plan for ARA Inland Waterway



Main Channel (18Km): Port of Incheon ← → ARA Inland Waterway ← → Port of Seoul

Additional area to be included:

- Yellow Sea Connecting Area (Incheon Terminal)
- Han River Connecting Area (Kimpo Terminal)

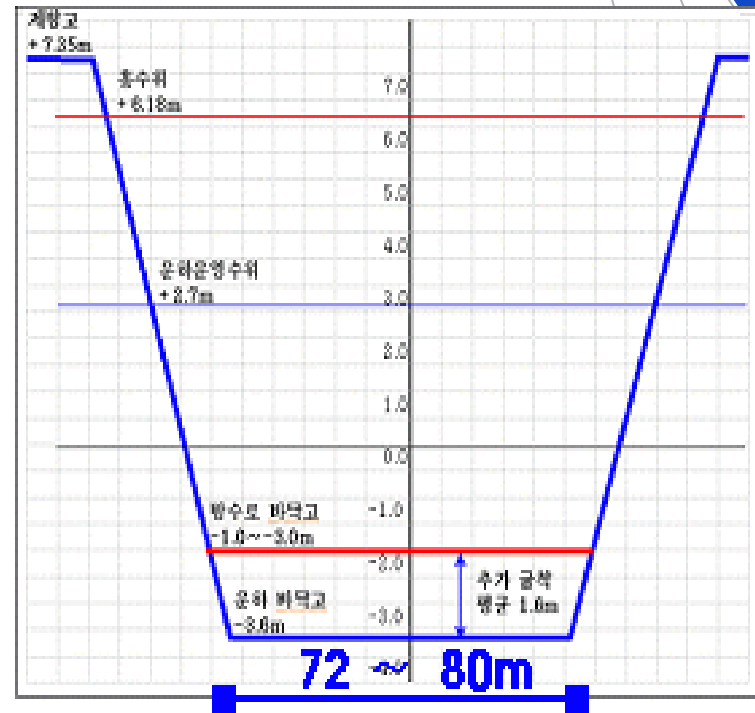
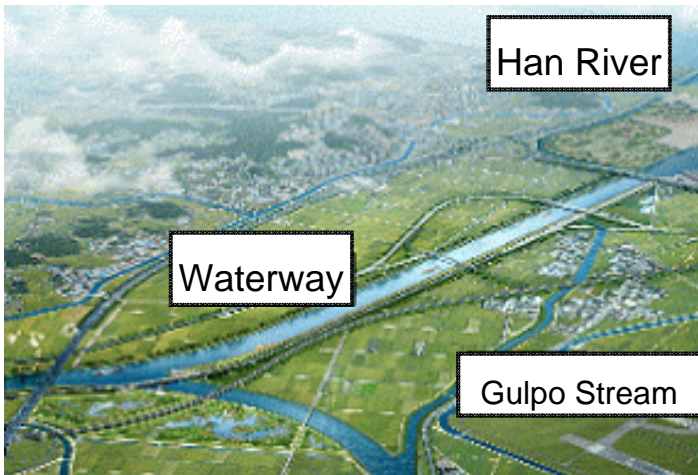
Chart Coverage (paper and IENC) of both land and inland waterway. Includes:

- The "Su Kyung" (8 Scenic location near Seoul)
- Detailed mapping of ~3 Km adjacent land-side along the Waterway.



Korea's Plan for ARA Inland Waterway

Main Channel



Total Length: 18Km (width 80m, depth 6.3m)

Drain Channel 14.2 Km

Connecting Channel 3.8 Km

18.0 Km

Required Depth for Ship Draft: 1.6m

Korea's Plan for ARA Inland Waterway



Major Objects to be included in "Test sample" Inland ENC

Terminal and Watergate(lock)

INCHEON Terminal

Area : 2.45 sq. Km

No. of Docks : 12

Yellow Sea Gate : Sliding Gate

Max. Size of Ship : RoRo

(Length 140m. Beam 22m, Draft 6.5m)

KIMPO Terminal

Area : 1.72 sq. Km

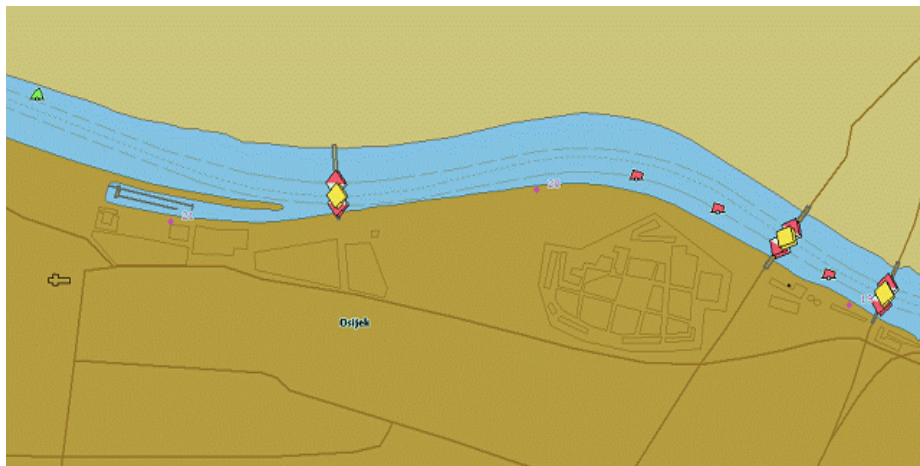
No. of Docks : 11

Han River Gate : Swing Gate (mitre)

Max. Size of vessel : Passenger ferry/tour boat

(Length 120m, Beam 20m, Draft 4.5m)

Number of bridge crossings : 16



Inland Waterway ENC DB

1. Base DB

- Land Area, Tour Sceneries

2. Waterway DB

- Buoy, Distance mark, Notice mark.
waterway axis, fairway, etc.

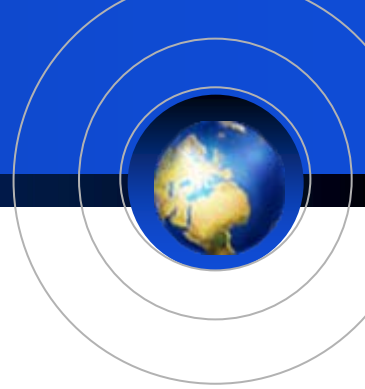
State of the Art :

INCHEON-SEOUL Ara Inland Waterway Project



Korea's Plan for ARA Inland Waterway





THANK YOU