

# Agriculture in Hokusō Area Supported by



# Narita Canal



## Feature of Hokusō Area

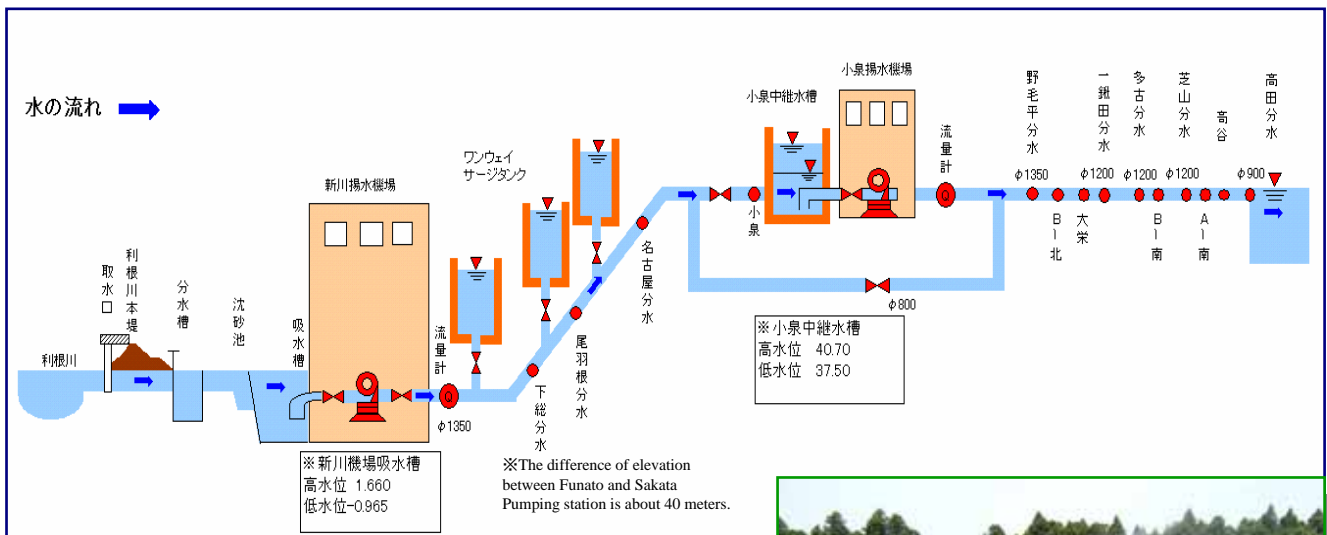
Farmlands surrounding the Shin-Tokyo International Airport had been long suffered from water shortage. In order to utilize abundant water resources of Tone River, the Narita Canal Project was launched so that water can be supplied to the farmlands.



## How to supply water

The Narita Canal carries pumped water from Tone River through pipelines and farm ponds to approximately 3,300 hectares of farmlands neighboring the Narita International Airport, such as *Narita City*, *Tako Town*, *Yokoshibahikari Town*, *Shibayama Town*.

Pumping up water from Tone River at the *Shinkawa Pumping Station* is supplied to paddy fields and upland fields via *Koizumi Pumping Station* installed at Narita Canal.



- ◆Irrigated areas: paddy fields: 1,889 hectares upland fields: 1,438 hectares
- ◆ The total length of main canal: 33km (width 135cm-35cm)
- ◆Pumping Stations: 2 stations.
- ◆Farm ponds: 4 sites where water carried through pipelines is temporary stored
- ◆O&M commenced in 1981



## Positive Impact by Narita Canal

Main agriculture products in Narita area are rice crops ( famous early crops of rice in Japan called *Koshihikari* and *Fusaotome*, ), sweet potato and variety of Japanese potato or *Yamoaimo*. Since water was carried through Narita Canal, cultivation of flowers and ornamental plants (サンダーソニア, Casablanca lily, Calla lily) at indoor facilities has been increased. As outdoor garden-growing crops, a large volume of vegetables such carrot in autumn and winter season and variety of Japanese potato or *Yamoaimo* have been cultivated. Among them, the shipment of variety of Japanese or *Yamoaimo* accounts for 40% of total shipment in Chiba Prefecture.



## Water Quality Management



▲Shibaya Boost-up Pumping Station built as part of Narita Canal Facilities



▲Hexagon float used for restraint of algae or water bloom

Due to the breeding of algae or water bloom in farm pond, it causes the bloc of water sprinkling and odor. To prevent algae from breeding in the farm pond, the surface of water covered by compact visor and it is observed that it is effective at certain level.

## Operation and Management of Facilities



▲Water is leaked through inner band embedded in a water pipe.



▲Degraded part of air valve

After 25 years operation and management, the suspension of water supply becomes a problem due to degraded facilities and water leakage.

## Water Supports A Wealthy Society



Incorporated Administrative Agency  
Japan Water Agency

Narita, Hokusotobu, Toso, Boso Canals and Inba-numa Comprehensive  
Operation and Maintenance Office

市村上3139

TEL047-483-0722 Fax047-483-0709

メールアドレス: mizu-chiba@jcom.home.ne.jp  
//www.water.go.jp/kanto/chiba/index.html

〒13076

TEL0478-54-2235 Fax0478-54-4490

Toso Canal Operation and Maintenance Branch Office

〒270-0811 市川区八幡川81

TEL0478-86-1311 Fax0478-86-1314

Boso Canal Operation and Maintenance Branch office

〒270-0811 市川区大字池田455

TEL0475-72-4121 Fax0475-72-4119