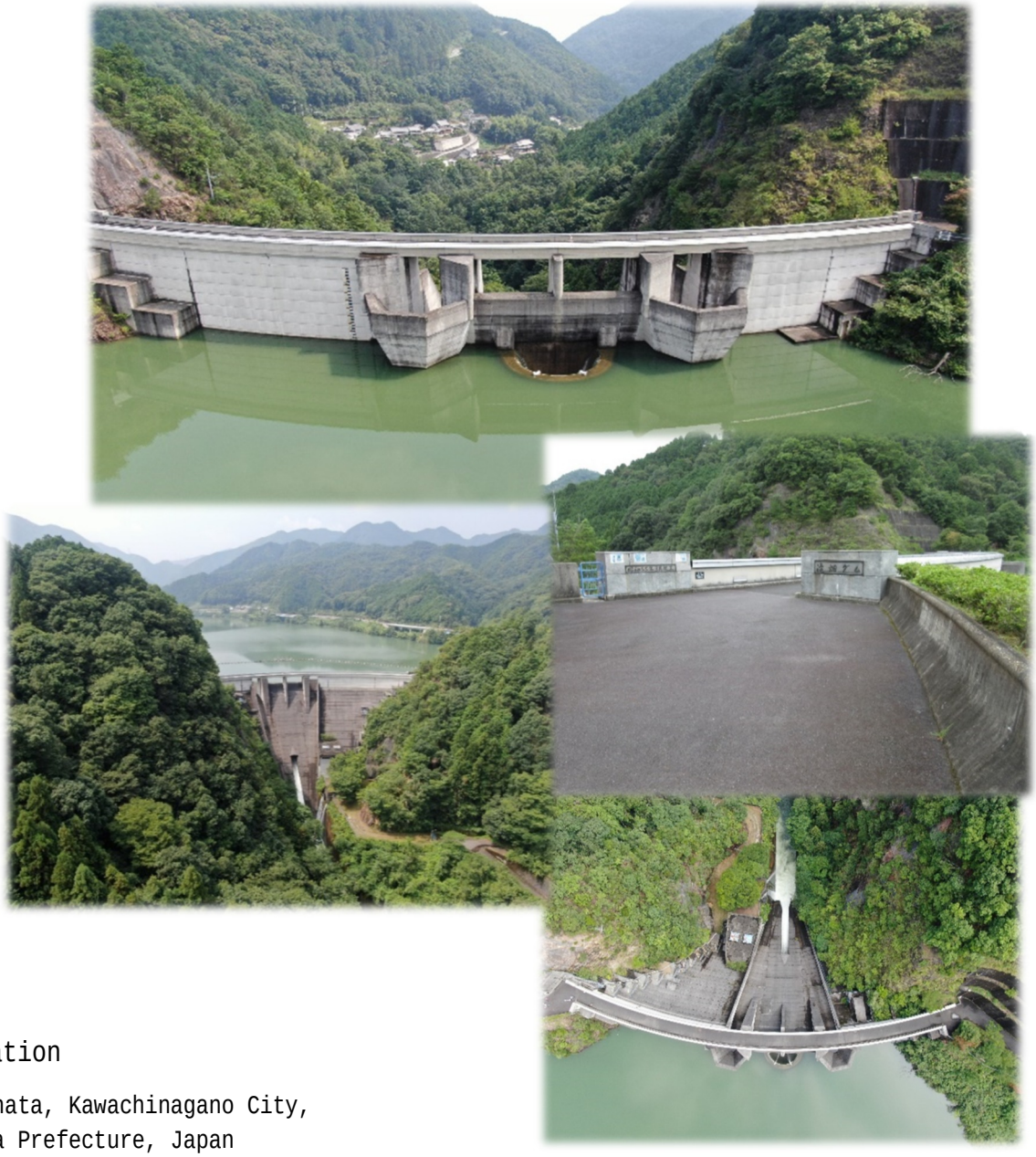
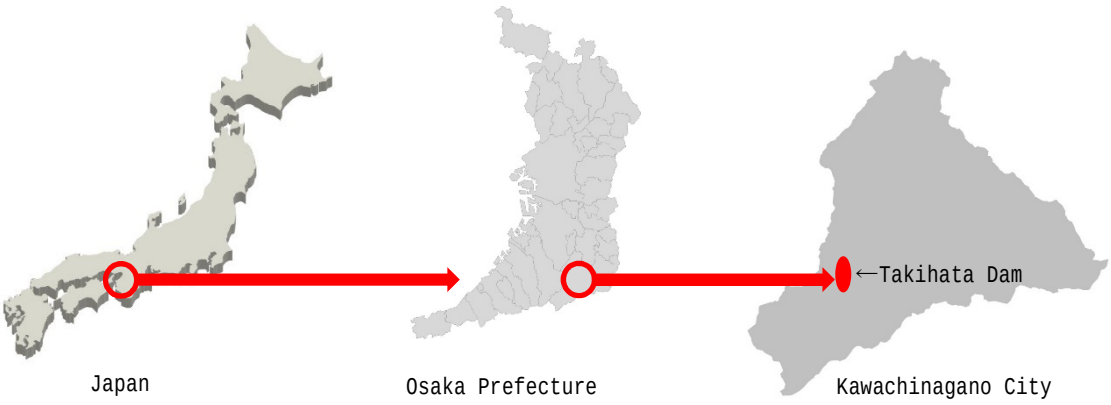
～ Welcome to Takihata Dam Official Website! ～

About “Takihata Dam”



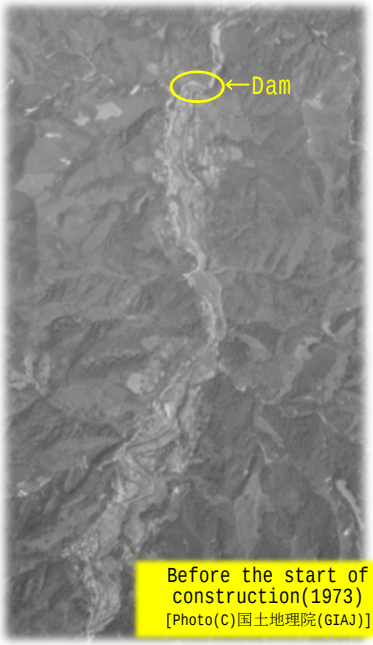
○Location

Takihata, Kawachinagano City,
Osaka Prefecture, Japan

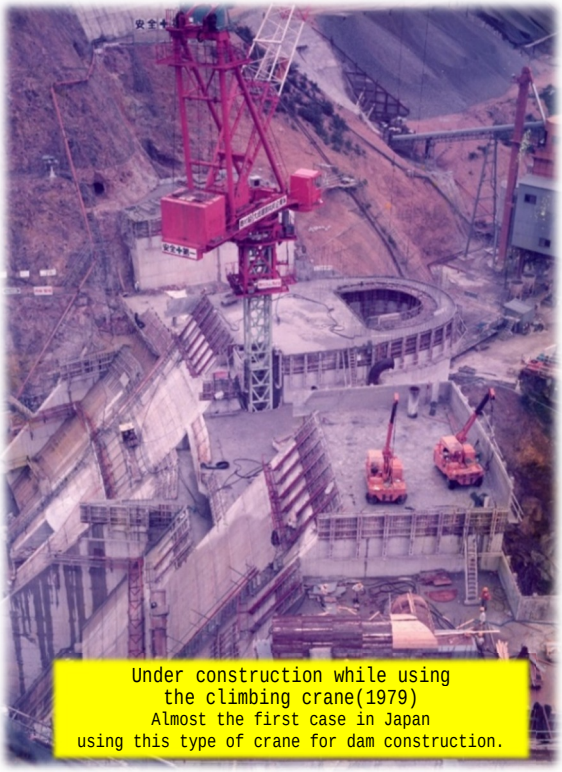


○Construction

Constructer	Osaka Prefecture
Construction Period	1973～1981
Total Project Cost	18 billion yen



Before the start of construction(1973)
[Photo(C)国土地理院(GIAJ)]


Under construction while using the climbing crane(1979)
Almost the first case in Japan using this type of crane for dam construction.


Under construction in snow cover(1980)


After completion(1981)


First test filling on surcharge level(1989)

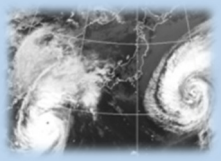
After completion(1997)
[Photo(C)国土地理院(GIAJ)]

○Basic Specifications

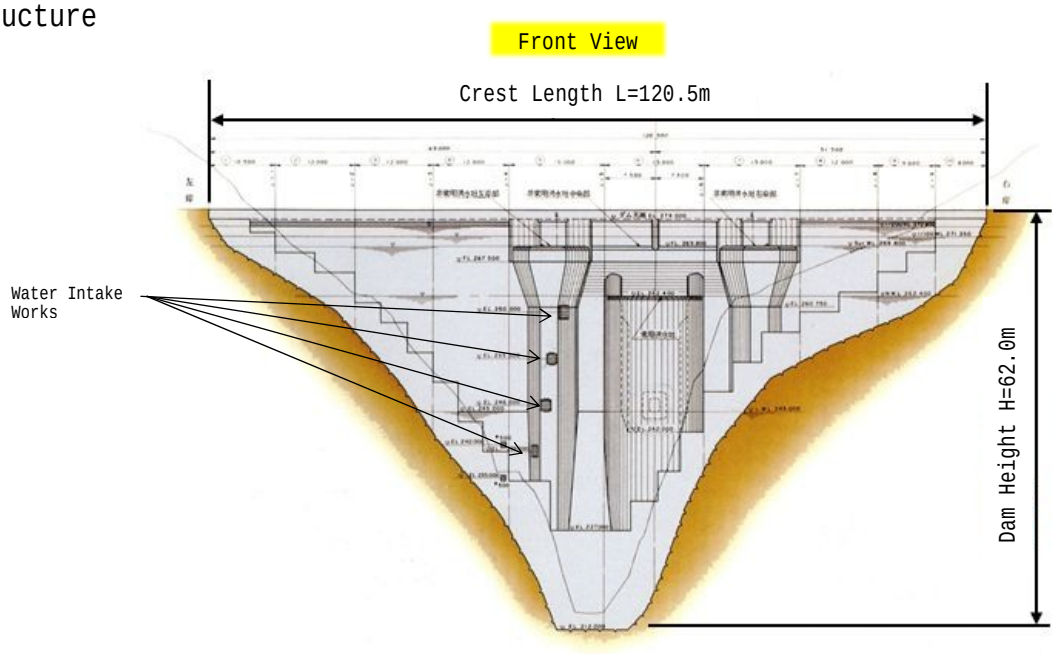
Dam Type	Curved Concrete Gravity Dam(There are only 9 dams of the same type in Japan.)		
River Name	Yamato River System, Ishikawa		
Basin Area	2,290ha	Surcharge Level	EL.269.8m
Flood Prevention Area	542ha	Constant Reservoir Level	EL.262.4m
Reservoir Area	52.3ha	Minimum Level	EL.245.0m
Dam Height	62.0m※	Reservoir Capacity	9,340,000m^3
Crest Length	120.5m	Flood Control Storage	3,405,000m^3
Dam Volume	84,500m^3	Water Utilization Capacity	4,613,000m^3
Dam Crest Elevation	EL.274.0m	Dead Capacity	1,322,000m^3

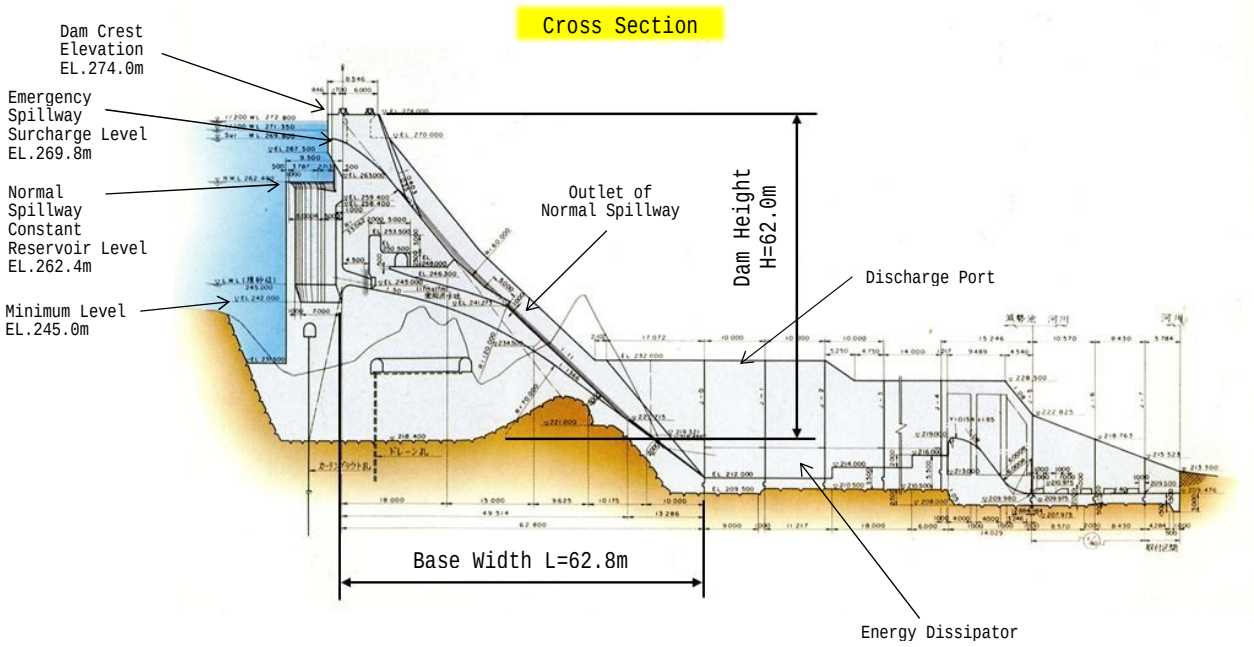
※：Highest Concrete Dam in Osaka Prefecture

○Function

Flood Control	The dam stores floods that flow in due to heavy rainfall of 289.1mm/day or 66mm/hr, and prevents agricultural damage caused by floods along the lower coast of Ishikawa. [Photo(C)気象庁(JMA)]	
Securing Agricultural Water	The dam supplies agricultural water to agricultural land along the Ishikawa coast.	
Securing Tap Water	The dam supplies 12,780,000tons/year as a tap water source for 100,000 people.	
Discharge of River Maintenance Water	The dam constantly discharges a certain amount of water into the river in order to preserve the river environment of Ishikawa.	

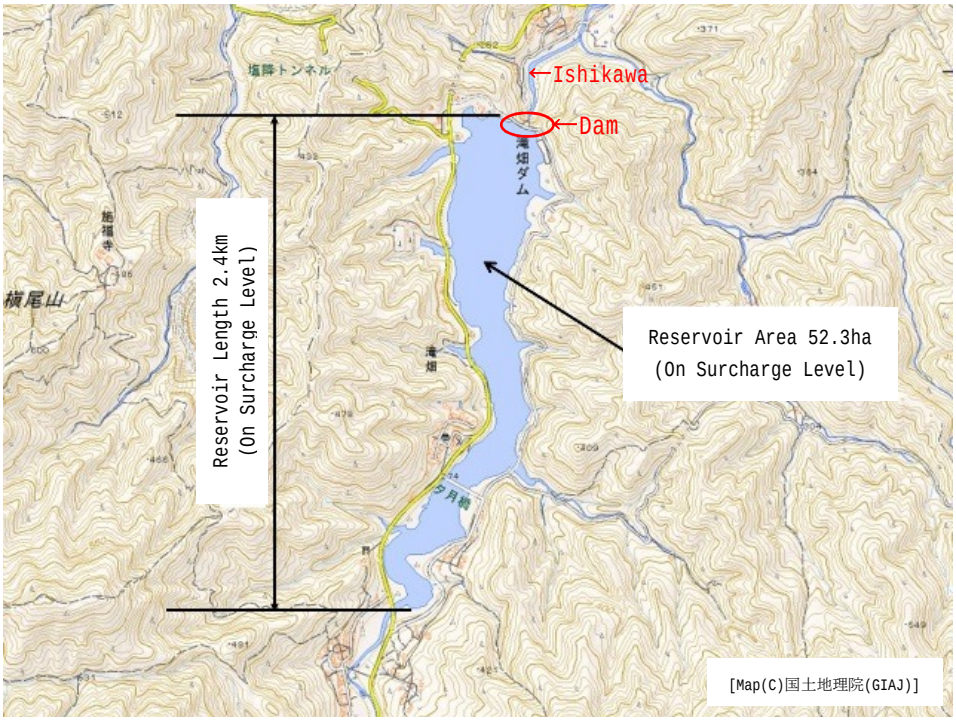
○Structure

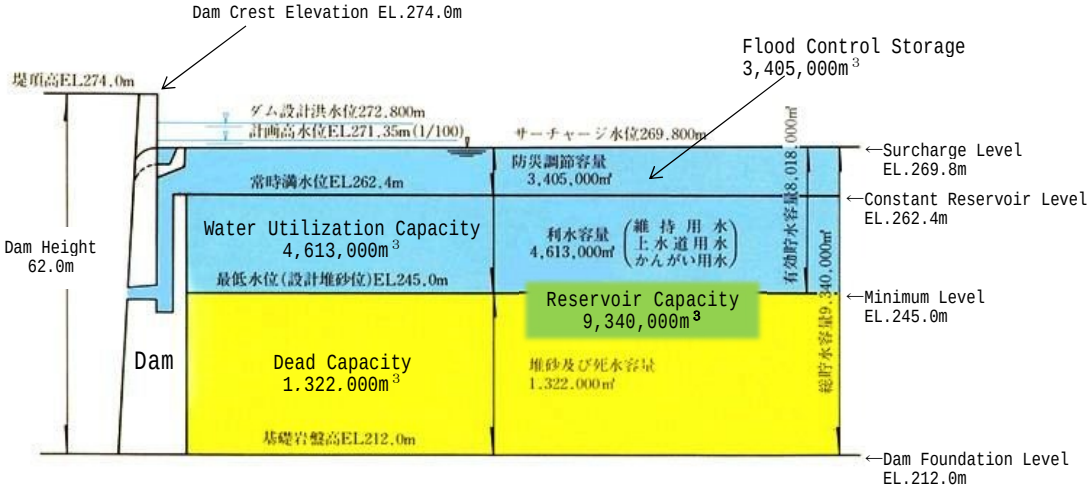



Cross Section
Dam Crest Elevation EL.274.0m
Emergency Spillway Surcharge Level EL.269.8m
Normal Spillway Constant Reservoir Level EL.262.4m
Minimum Level EL.245.0m
Outlet of Normal Spillway
Dam Height H=62.0m
Discharge Port
Base Width L=62.8m
Energy Dissipator


Dam Crest Elevation EL.274.0m
Normal Spillway Constant Reservoir Level EL.262.4m
Emergency Spillway Surcharge Level EL.269.8m
Outlet of Normal Spillway
Discharge Port
Energy Dissipator

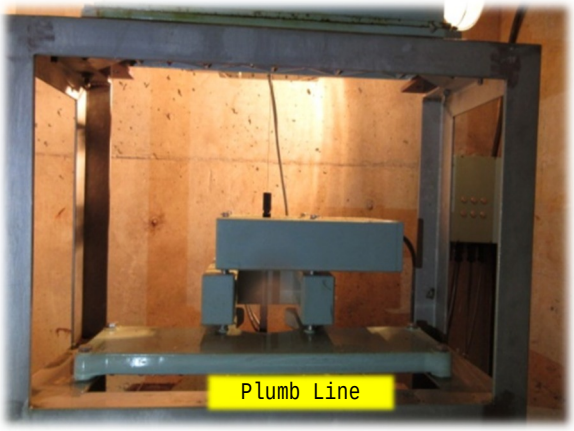
○Reservoir





○Major Facilities

Inspection Gallary



Plumb Line

Water Intake Valves

Discharge Control Valves

Leakage Measuring Unit

Log Boom

Incline

Parking Lot & Public Toilet

○Access

You can visit the dam by public transport. This is unusual for dams in Japan.

Osaka City

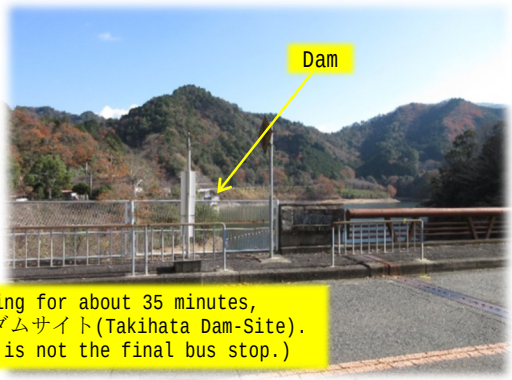
Namba Station[NK01]　Osaka-Abenobashi Station[F01]

Nankai Railway
Koya Line

Kintetsu Railway
Minami-Osaka Line
and
Nagano Line

Get off at
Kawachinagano Station [NK69]or[023].

Move to bus stop No.7 in front of the station.
And take the Route No.419 or 419V bus bound for 滝畑ダム(Takihata Dam).



After boarding for about 35 minutes,
get off at 滝畑ダムサイト(Takihata Dam-Site).
(Caution! Here is not the final bus stop.)

Turn right in front of the tunnel, and you will find the dam parking lot soon.