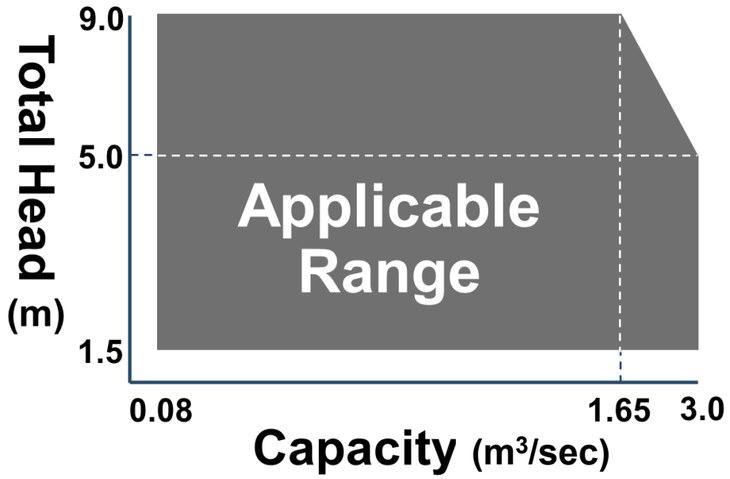
5. Applicable Range

Pump Size
Φ300~1200mm

Discharge
0.1~3.0m³/sec

Total Head
1.5~9.0m



6. Conclusion

FLOOD BUSTER Realizes…

High Reliability
Easy Operation
Small Construction Site
Short Construction Period
Low Cost of Construction

Best Solution for Flood Control !

Please contact us for further information

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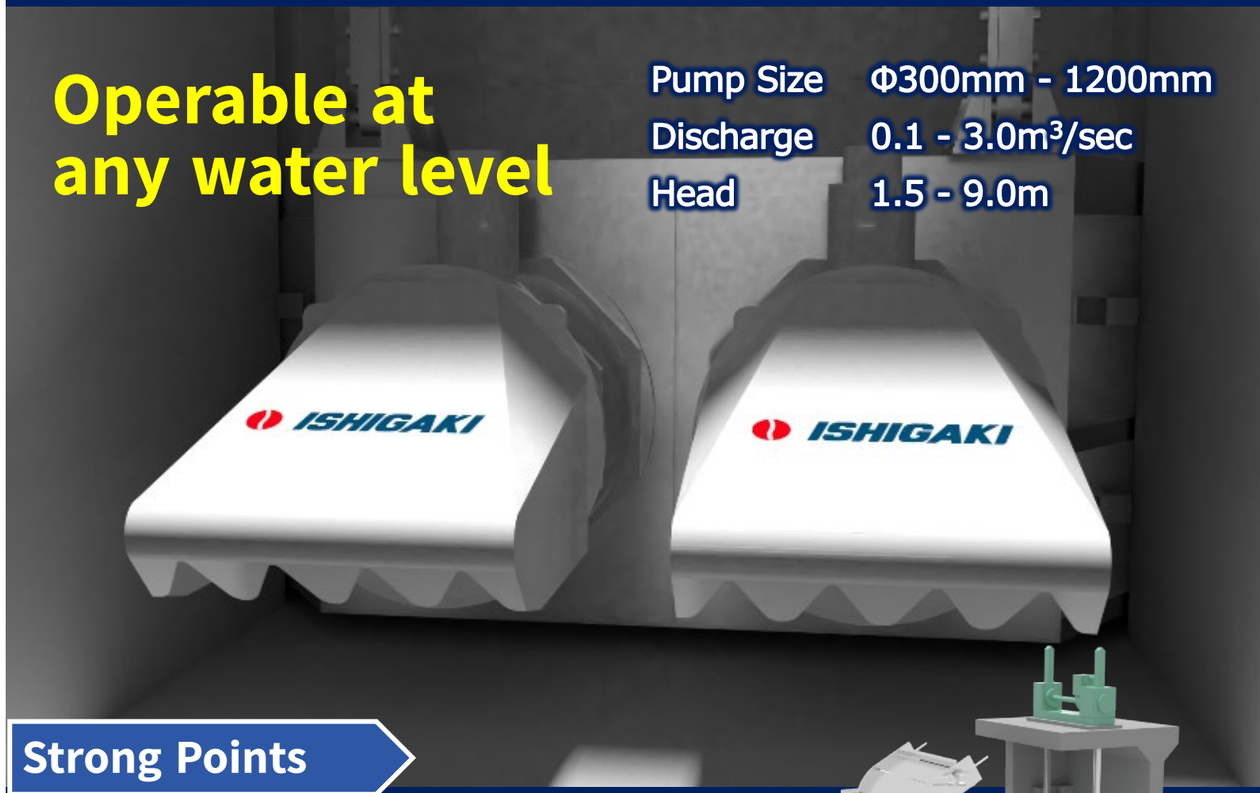
ISHIGAKI

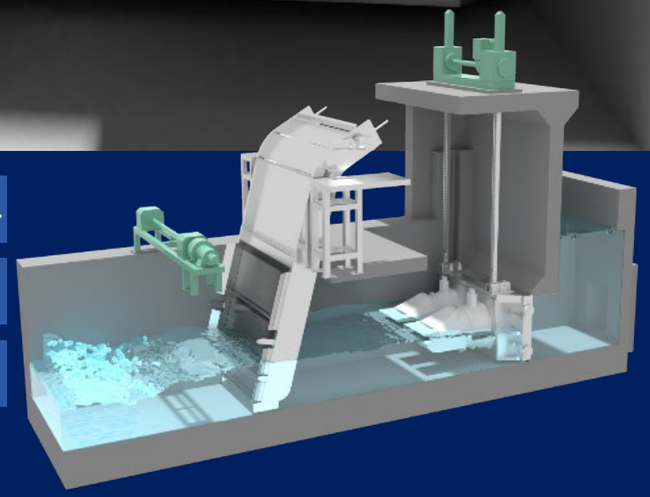
FLOOD BUSTER®

New Pump-Gate System



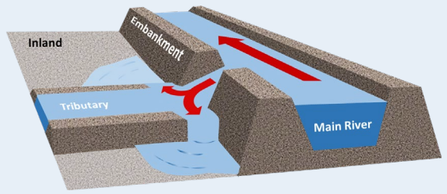
Strong Points

- ***Reliability*** Full speed at any water level
- ***Usability*** Easy operation
- ***Durability*** Less load on the panel



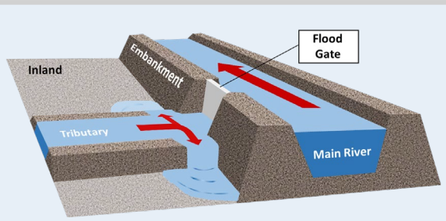
Delivery Records

1. Role of Pumping Station



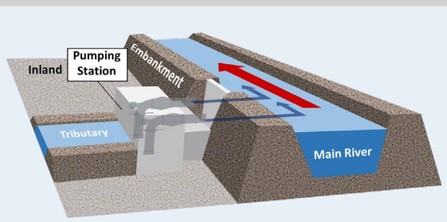
If the embankment of the river is cut off…

When the main river rises due to heavy rain and others, the water flows back into the tributary and flooding damage occurs.



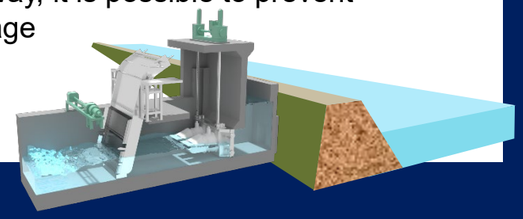
If closed with a flood gate…

Set up a flood gate so that the water in main river does not flow backward.
However, when closing the flood gate, the water in the tributary does not flow, the accumulated water overflows and flooding damage occurs.



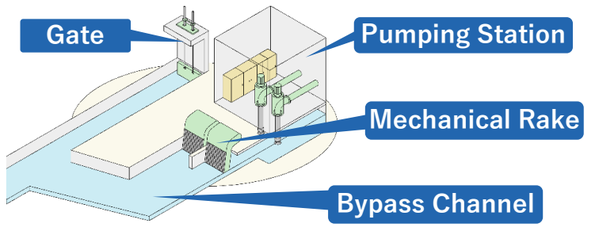
If there is a pumping station…

The water of the tributary water can be properly drained. In this way, it is possible to prevent inundation damage of the inland.

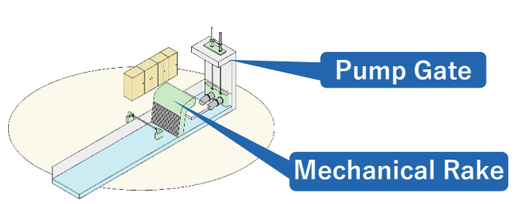


2. Comparison

Pumping Station



Pump Gate



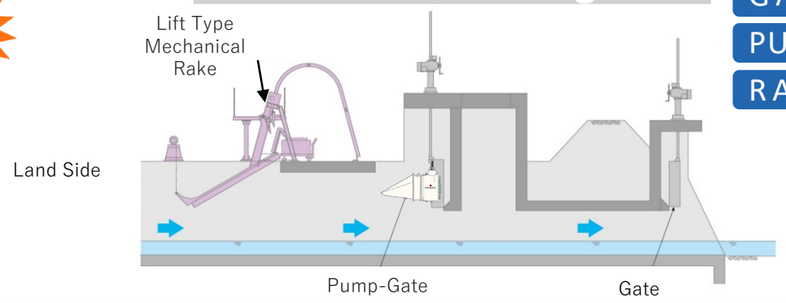
Compared to the pumping station, the pump gate can achieve the following

- Utilization of existing waterways
- Small construction site
- Low construction cost
- Short construction period
- Low number of equipment
- High maintainability

3. How to Operate

Natural Drainage

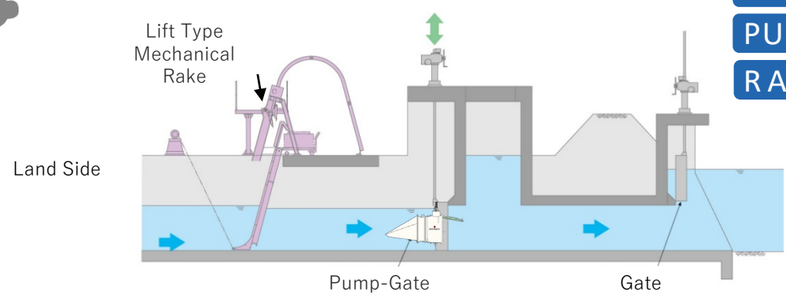
Fine



GATE :OPEN
PUMP :O F F
RAKE :U P

Forced Drainage

Rain

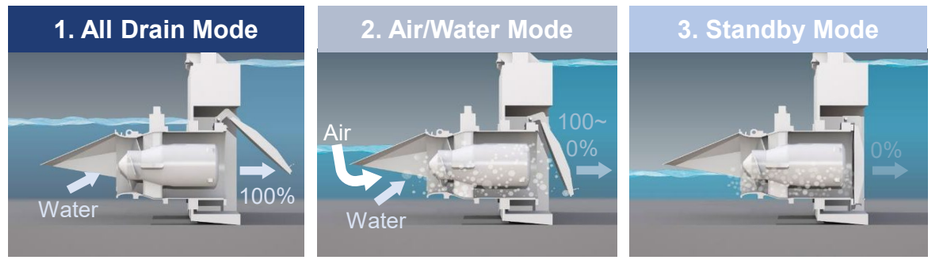


GATE :CLOSE
PUMP :O N
RAKE :DOWN

4. Advanced Technology

FLOOD BUSTER has Three (3) Operation Modes

-Since the FLOOD BUSTER has three operation modes, it is possible to continue the operation without stopping even at the low water level.
-It is friendly to electrical equipment because it does not repeat starting and stopping.



	1. All Drain Mode	2. Air/Water Mode	3. Standby Mode
State	Max Discharge	Discharge Mixed Air and Water	Standby
Discharge	100	100～0	0
Rotation Speed	100	100	100
Power Consumption	100	100～30	30