## Kushiro Wetland Nature Restoration Project And Impact Of Climate Change Nippon Koei Co., Ltd. Kohei Yoshimura, Yoshiyasu Fujimura, Takafumi Yogata

**Abstract:** The government is promoting nature restoration projects in Kushiro wetland, but

Reeds and sedge community





X2 MLIT Kushiro River Improvement Plan https://www.hkd.mlit.go.jp/ks/tisui/c86hsb00000bu22-att/c86hsb00000bu59.pdf 3 JMA Record rainfall caused by typhoons and fronts (August 2016) https://www.data.jma.go.jp/cpd/j\_climate/hokkaido/kencho\_summer2016.html X4 MLIT Nature Restoration in the Kushiro Wetland (WWD2022: Wetlands Action for People and Nature)



The observed relation between the impact of the flood in recent years and the response of the wetland, insight from the ongoing project, and The strengthening of facilities to trap sediment from river channels is a concrete option to deal with the situation where climate change increases Fences called "artificial kelmi" prevent sediment Photo of sediment trap after flood in 2016 from entering the wetland.

Annual

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topographic rainfall

Year-round warming greatly affects the hydrological cycle. Warming in fall will cause to reduce snowfall and snowpack. Warming in spring will cause that snowmelt runoff (which contributes to water resources and the environment in northern Japan) is expected to be

Prioritize the heavy rain year

The ability of mountain soils and wetlands to store water has been found to help maintain



