

# Red Pipe Improvements

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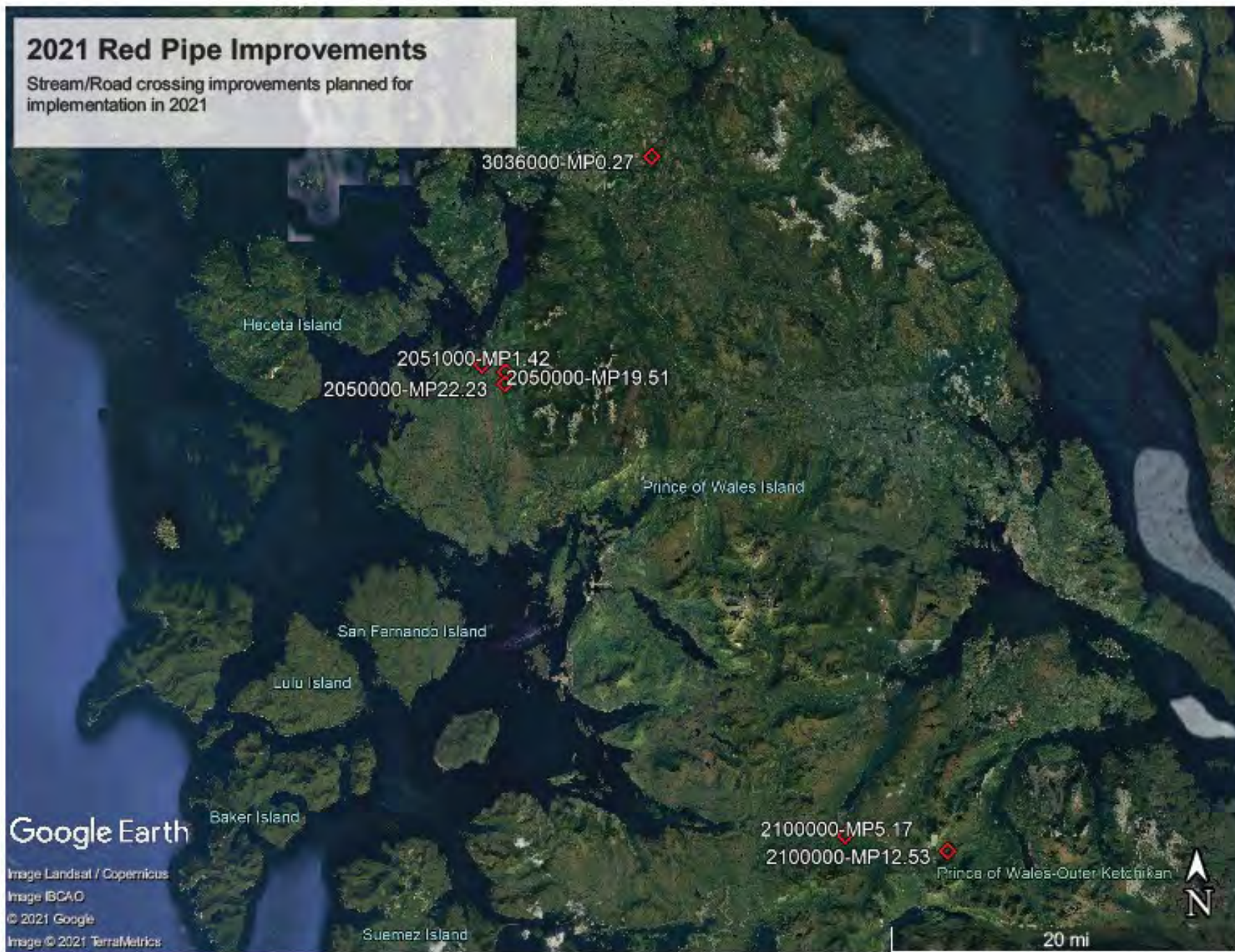
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## 2021 Red Pipe Improvements

Stream/Road crossing improvements planned for implementation in 2021



## 2021 AOPs

- 2050000-MP19.51
- 3050000-MP22.23
- 2051000-MP1.42
- 2100000-MP5.17
- 2100000-MP12.53
- 3036000-MP0.27



21000000-MP5.71 (Polk Road)  
Before & after



3036000-MP0.27 (Logjam)  
Before & after (reconstructed stream channel)

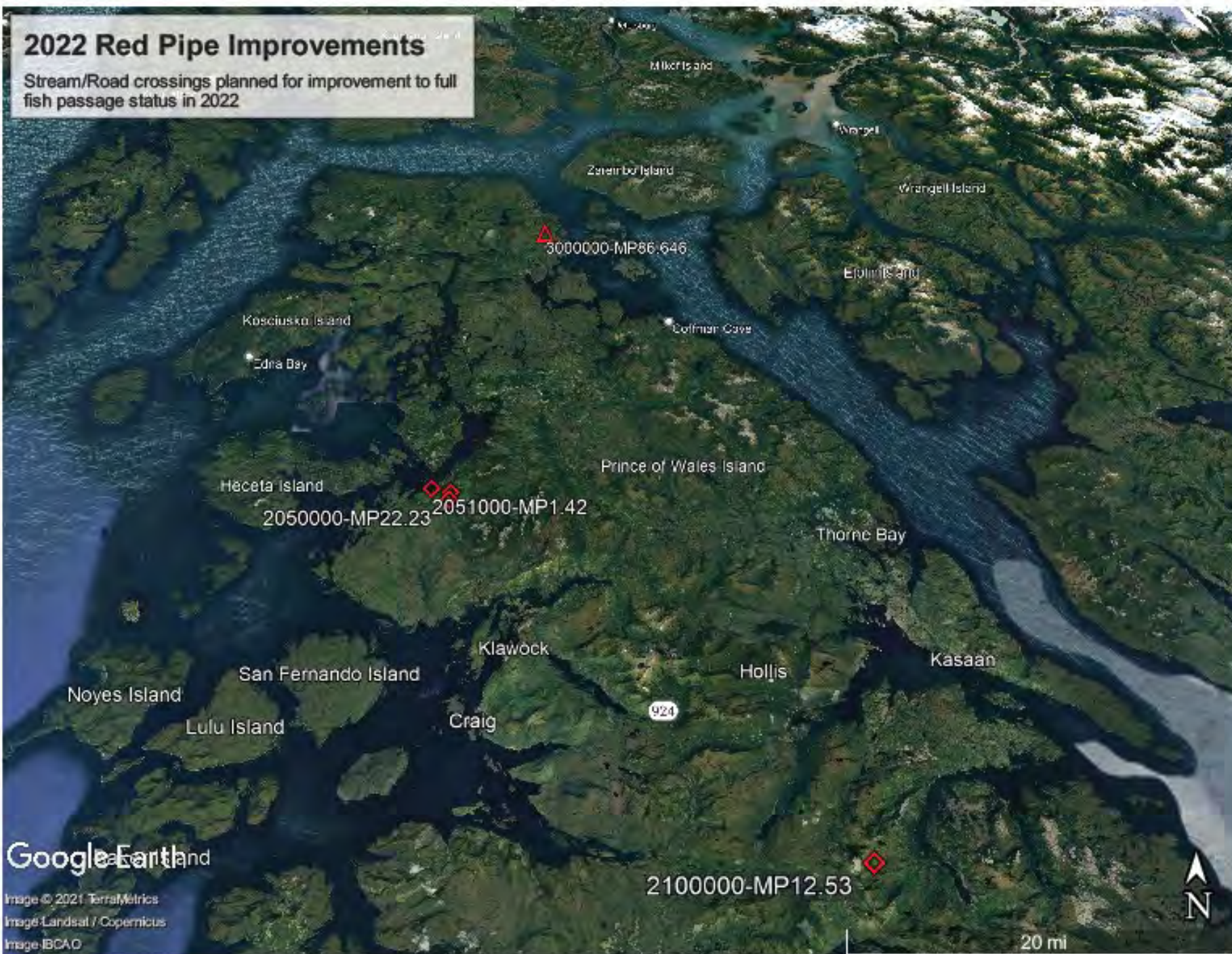


3036000-MP0.27 (Logjam)  
Finished Structure



## 2022 Red Pipe Improvements

Stream/Road crossings planned for improvement to full fish passage status in 2022



### Proposed 2022 AOPs

- 2050000-MP19.51
- 2050000-MP22.23
- 2051000-MP1.42
- 2100000-MP12.53
- 3000000-MP86.646

## FS Roads 2050 & 2051 "Shaheen"



2050000 MP19.51 Outlet looking upstream.

Undersized pipe will be replaced with **steel bridge**



2050000 MP22.23 Inlet looking downstream

Undersized pipe will be replaced with **steel pipe arch**



2051000 MP1.42. Outlet looking upstream.

Undersized pipe with flow going underneath will be replaced with **steel bridge**

FS Road 2100000  
“Polk”



2100000 MP 12.53- depicting inlet conditions. Photo taken looking downstream

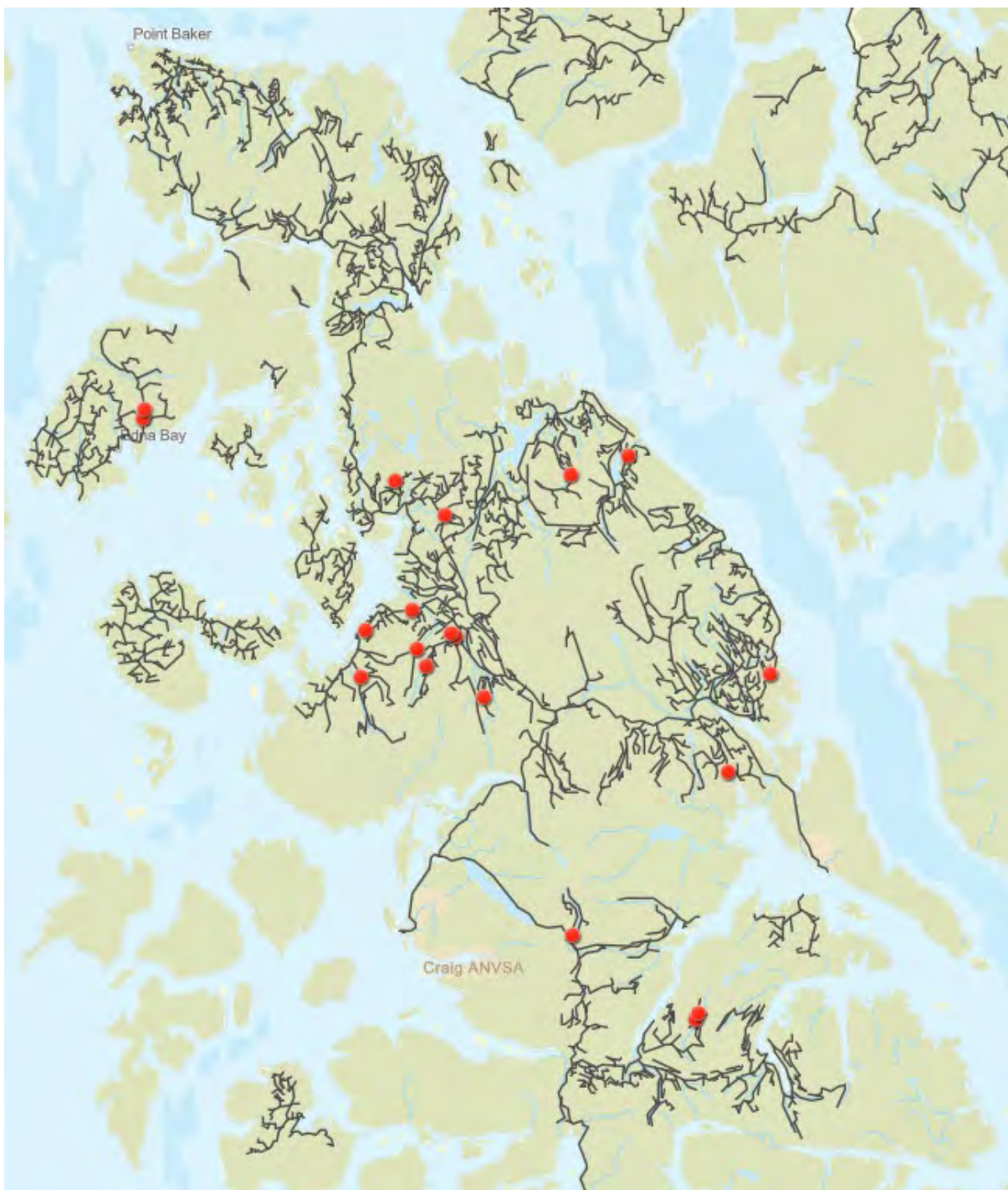
Undersized pipe will be replaced with **glue laminate bridge**.

FS Road 3000000  
“Exchange Cove”



3000000 MP 86.646 - depicting outlet conditions. Photo taken looking upstream

Undersized pipe will be replaced with **steel pipe arch**.



## Future AOPs (2023-2024)

- 1525000 MP 2.679
- 1525000 MP 3.4
- 2025000 MP 0.72
- 2030790 MP 1.08
- 2050000 MP 10.36
- 2050000 MP 14.69
- 2050000 MP 19.19
- 2050050 MP 3.72
- 2050300 MP 4.67
- 2050400 MP 0.16
- 2050400 MP 0.56
- 2050400 MP 4.49
- 2056000 MP 0.66
- 2059300 MP 1.12
- 2120000 MP 9.58
- 2120000 MP 10.26
- 3000000 MP 21.37
- 3030110 MP 0.28
- 3030700 MP 3.88

