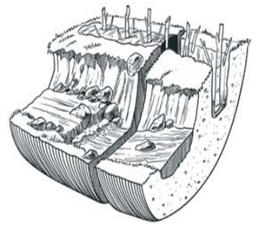
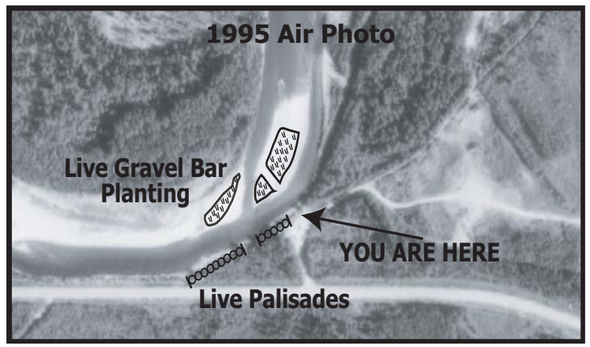
GERMAINE CREEK
BIOENGINEERING DEMONSTRATION PROJECT

The Yukon River Panel, Yukon Highways and Public Works and the Mining Environmental Research Group funded a project to demonstrate soil bioengineering techniques at this site in the fall of 2004. The work is intended to speed up gravel bar revegetation and increase the erosion resistance of the channel bank.

Live palisades were constructed near the base of the stream bank on your left.





Live gravel bar planting occurred on the mid-channel island and on the far side of the channel.

SOIL BIOENGINERING TECHNIQUES

Soil bioengineering uses pioneering species, such as willow, cottonwood and red ozier dogwood which will grow from cuttings. Donor material was collected from the gravel pit located off to your right. Smaller material (still larger than the diameter of your thumb) was used for live gravel bar planting; larger poles (up to 10 cm in diameter) were used to construct live palisades.

TOUR

Please visit the treated areas if water levels permit safe travel.

- Is the donor material growing?
- Has sediment or woody debris been deposited?
- How does the vegetation on the bioengineered sites compare to that in adjacent areas?
- Do you have a site where these techniques would be useful?

Yukon
Highways and Public Works

The bioengineering work was undertaken by HAN Construction Ltd.

For more information or to leave a comment please email
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