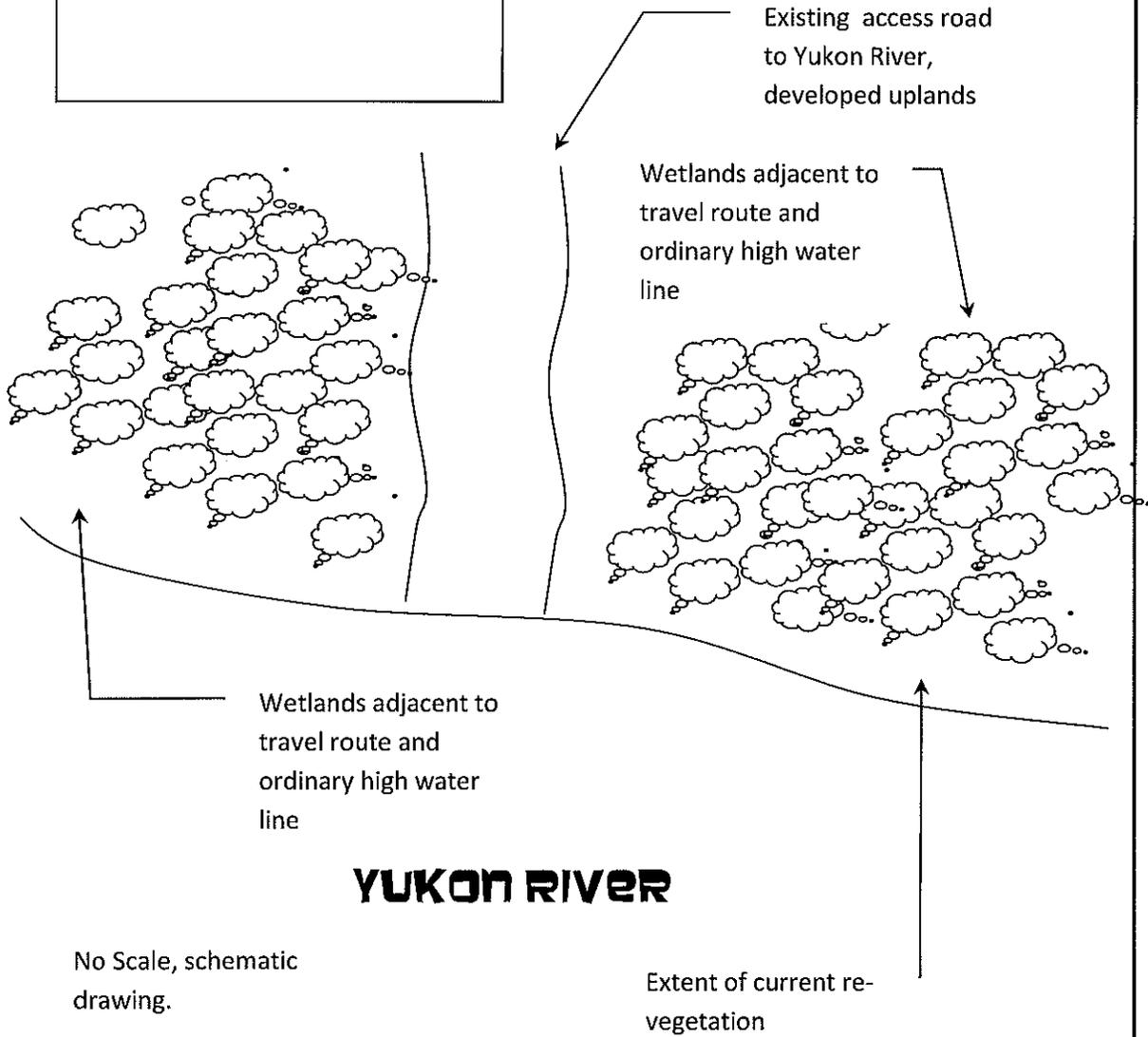


Plan view of access route currently existing at Galena-Yukon River bank.

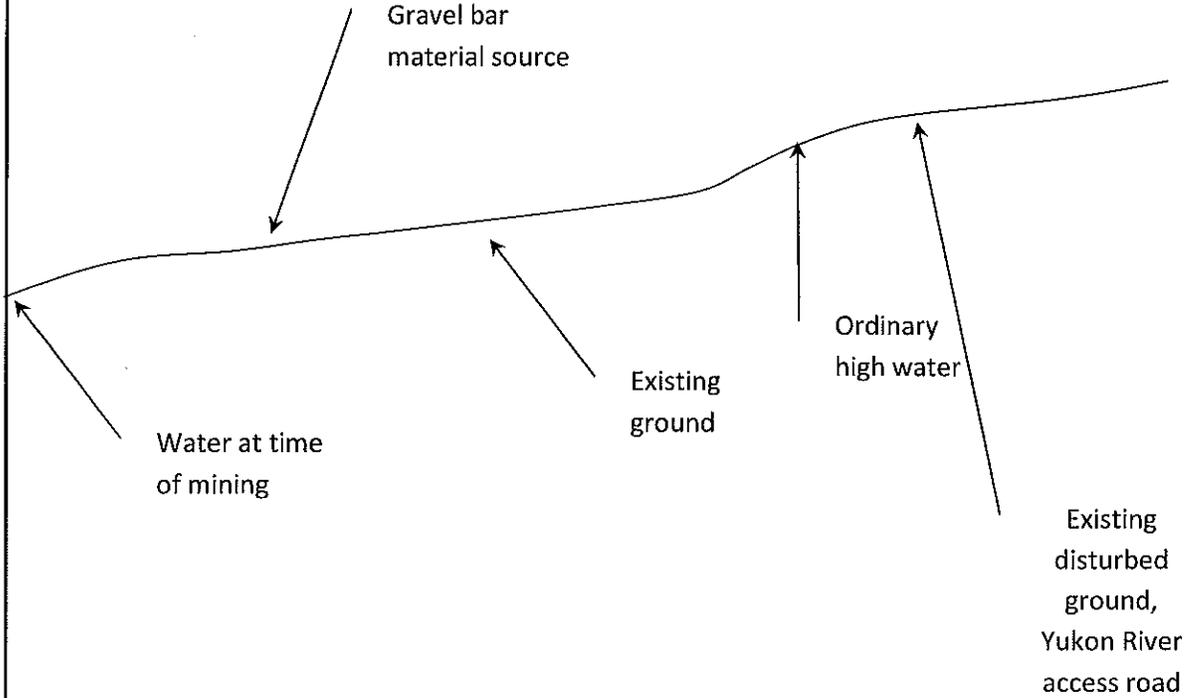


No Scale, schematic drawing.



STATE of ALASKA Department of Transportation and Public Facilities Northern Region	
POA-2011-72-M1, Crow Creek	
61653/STP-0002(146) Galena-Cambion Road	Galena, Alaska
Date: 2/15/2013	Figure 1

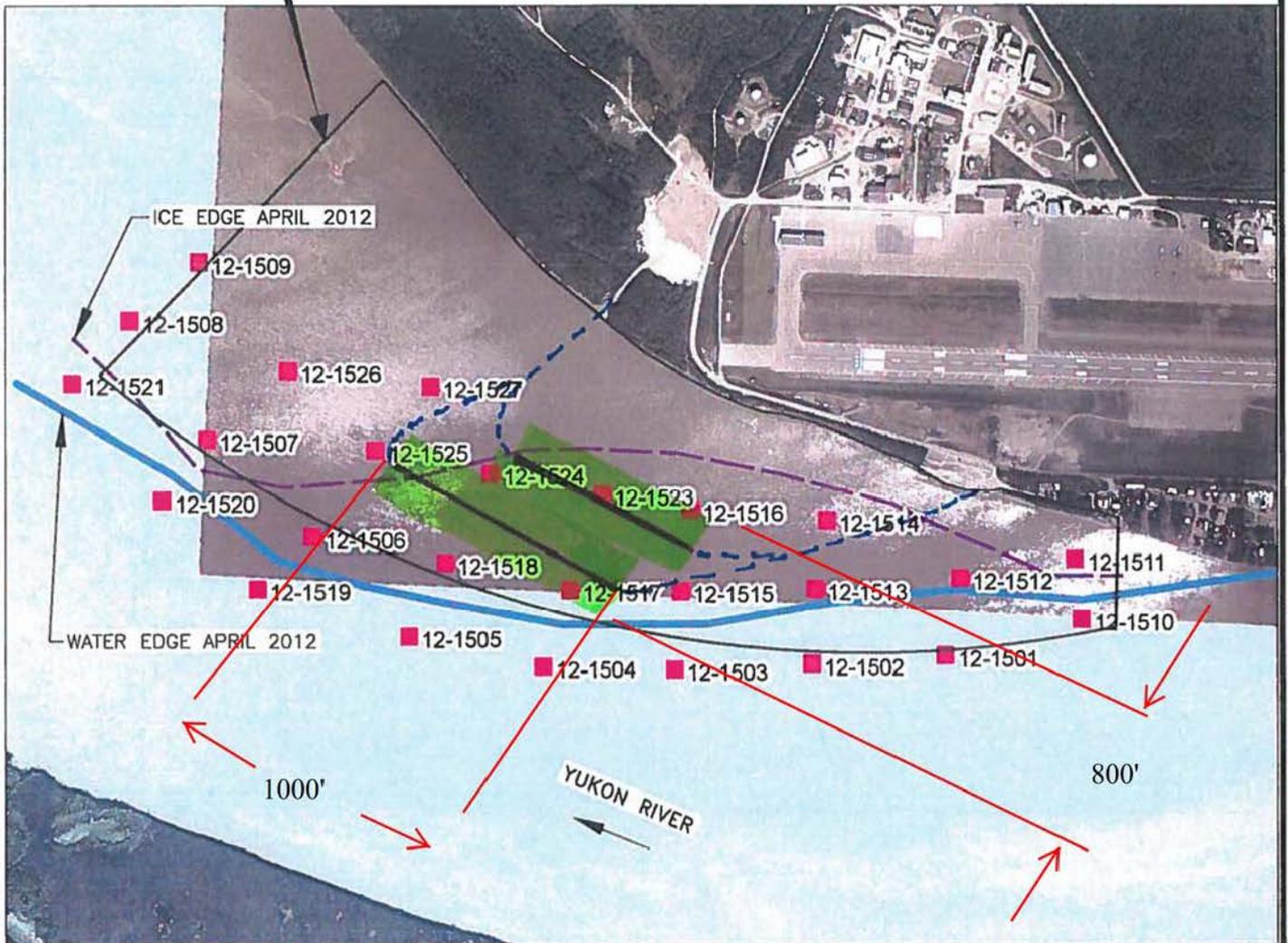
Profile View of access from gravel bar to Yukon River bank above ordinary high water and seasonal bank scour. Schematic, not to scale, incline may vary due to conditions of actual river configuration from seasonal flood and flow during breakup and subsequent river water flow regimes.



No Scale, schematic drawing.

STATE of ALASKA Department of Transportation and Public Facilities Northern Region	
POA-2011-72-M1, Crow Creek	
61653/STP-0002(146) Galena-Campion Road	Galena, Alaska
Date: 2/15/2013	Figure 2

MS 202-014-2



MS 202-014-2
TEST PIT LOCATION MAP

LEGEND

- TEST PITS
- WATER EDGE APRIL 2012
- - - ICE EDGE APRIL 2012
- MATERIAL SITE BOUNDARY
- - - Haul Route

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
TEST PIT LOCATION MAP
MS 202-014-2

NORTHERN REGION	DATE: 8/20/12
SCALE NTS	
DRAWN BY: EJM	

V:\MTR\WatSites\202-014-2\202-014-2_Material report-Hwy-Gen



05 / 15 / 2013

Mining and Reclamation Plan

Revision 6-25-13

Galena Campion Road Erosion Protection
AKDOT&PF Project No.
STP-002(146)/61653



Brice Incorporated

301 Cushman Street
Fairbanks, AK 99701
PO Box 70668
Fairbanks, AK 99707
Tel. (907) 452-2512
Fax (907) 452-5018

- 1.0 INTRODUCTION
- 2.0 LOCATION OF PLANNED EXCAVATION
- 3.0 AREA AND DEPTH OF EXCAVATION
- 4.0 GENERAL MINING OPERATION
- 5.0 MATERIAL TYPES AND ESTIMATED QUANTITIES TO BE EXCAVATED
- 6.0 LOCATION OF ACCESS
- 7.0 DEWATERING PLAN, DRAINAGE, EROSION, AND POLLUTION CONTROLS
- 8.0 PROPOSED LOCATION OF PLANT SITES AND STOCKPILES
- 9.0 RECLAMATION

1.0 INTRODUCTION

This plan has been prepared in anticipation of the gravel mining and processing efforts associated with the Alaska DOT&PF Project Number: STP-002(146)/61653 Galena Campion Road Erosion Protection. The scope of the project includes: relocating and closing a 1.85 mile segment of the existing Campion road by constructing 3.76 miles of new roadway. Culverts will be installed at Crow Creek, Narrow Lake, and an unnamed water. MS 202-014-2 has been identified as the material source for this project.

2.0 LOCATION OF PLANNED EXCAVATION

AKDOT&PF contract documents have identified an available material source located on a point bar of the Yukon River, southwest of the Galena airport. The material site is located within the active channel of the Yukon River. It is also located within Township 9 South, Range 9 East, Kateel River Meridian, and Section 1 and the Southwest 1/4 of Section 6 on the USGS Quad Maps Nulato C-2 and encompasses 321.4 acres . The material site is on land held by the State of Alaska. The site is deemed to be a suitable source for sand and gravel based on previous mining operations.

4.0 AREA AND DEPTH OF EXCAVATION

The bottom of excavation will correspond with the depth specified in Fish Habitat Permit FH13-III-0077. The area shown in green will be targeted for extraction, as investigation shows it has the most desirable gradation and depth of material. If insufficient material is located in this area, the rest of the material site will be utilized to construct the project.

5.0 GENERAL MINING OPERATION

The material will be extracted by pushing material with a dozer and stacking with an excavator. Material will be removed in shallow scrapes such that the overall slope

grades gently to the river and matches the existing terrain. Backslopes will be shaped at a 5:1 or flatter. Material will be loaded from windrow piles into haul units using excavators and loaders. Tractor trailer haul units will then haul the material to fill areas or to a stockpile. To minimize the amount of frost that must be ripped during mining operations, the footprint will be kept as small as possible. Materials will be screened outside the boundary of the mining area to make the required surface course.

6.0 MATERIAL TYPES AND ESTIMATED QUANTITIES TO BE EXCAVATED

- Sandy Gravel- Approximately 266,000 CY

7.0 ACCESS

The proposed material site is only accessible during low water on the Yukon. During this time of year, there are two points of access to the site using local roads. Brice Inc. intends to maintain these roads in their original conditions. Brice will provide the necessary signage to provide and maintain a safe zone for all users of the road.

8.0 DEWATERING PLAN, DRAINAGE, EROSION, AND POLLUTION CONTROLS

Dewatering is not anticipated. Should any dewatering be needed a dewatering permit shall be obtained from DNR and it shall conform to both the Storm Water Pollution Prevention Plan (SWPPP) and the Hazardous Material Control Plan (HMCP). All mining, equipment maintenance/fueling, and grading activities will be carried out in accordance with the project approved SWPPP and HMCP.

9.0 RECLAMATION

No areas disturbed by previous mining activities will be reclaimed by Brice. Areas disturbed by mining activities will be graded gently to drain. If any depressions remain they will be connected, by channel, to the downstream end of the Yukon.