

DIVISION OF MINING, LAND AND WATER  
**WATER RESOURCES SECTION**

[www.dnr.state.ak.us/mlw/water/index.htm](http://www.dnr.state.ak.us/mlw/water/index.htm)



Alaska Department of  
**NATURAL  
 RESOURCES**

Anchorage Office 550 West 7 <sup>th</sup> Avenue, Suite 1020 Anchorage, AK 99501-3562 (907) 269-8600 Fax: (907) 269-8947	Juneau Office PO Box 111020 400 Willoughby Avenue Juneau, AK 99811-1020 (907) 465-3400 Fax: (907) 586-2954	Fairbanks Office 3700 Airport Way Fairbanks, AK 99709-4699 (907) 451-2790 Fax: (907) 451-2703	<b>For ADNR Use Only</b> <b>Date/Time Stamp</b> <b>MAR 28 2013</b> <b>WATER RESOURCES SECTION</b> <b>ANCHORAGE</b>
<b>For ADNR Use Only</b> TWUP # <b>A2013-107</b>	<b>For ADNR Use Only</b> CID # <b>34527</b>	<b>For ADNR Use Only</b> Receipt Type <b>WR</b>	

**APPLICATION FOR TEMPORARY USE OF WATER**

**INSTRUCTIONS**

1. Complete one application for each project including up to five water sources (incomplete applications will not be accepted).
2. Attach legible map that includes meridian, township, range, and section lines such as a USGS topographical quadrangle or subdivision plat. Indicate water withdrawal point(s), location(s) of water use, and point(s) of return flow or discharge (if applicable).
3. Attach sketch, photos, plans of water system, or project description (if applicable).
4. Attach driller's well log for drilled wells (if available).
5. Attach copy of ADNR fish habitat permit (if applicable).
6. Attach completed Coastal Project Questionnaire (if applicable - see page 4).
7. Submit non-refundable fee (see page 4).

**APPLICANT INFORMATION**

Parks Highway MP 252-263 Rehabilitation

Project Name

Great Northwest Inc

Organization Name (if applicable)

Agent or Consultant Name (if applicable)

Individual Name (if applicable)

Individual Co-applicant Name (if applicable)

PO Box 74646

Fairbanks

AK

99707

Mailing Address

City

State

Zip Code

(907) 452-5617

Daytime Phone Number

Alternate Phone Number (optional)

twilliams@grtnw.com

Fax Number (if available)

E-Mail Address (optional)

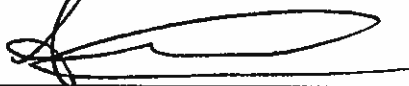
PROPERTY DESCRIPTIONS						
Location of Water Use						
Project Area (e.g. milepost range, place name, survey number)	Meridian	Township	Range	Section	Quarter Sections	
Parks Highway MP 252-263	Fairbanks	11S	8W	21	NE ¼	SE ¼
					¼	¼
Location of Water Source						
Geographic Name of Water Body or Well Depth	Meridian	Township	Range	Section	Quarter Sections	
Panguingue Creek	Fairbanks	11S	8W	34	SE ¼	SE ¼
Little Panguingue Creek	Fairbanks	11S	8W	27	SE ¼	NW ¼
Gravel Pit, north driveway	Fairbanks	10S	8W	21	NW ¼	NW ¼
					¼	¼
					¼	¼
Location of Water Return Flow or Discharge (if applicable)						
Geographic Name of Water Body or Well Depth	Meridian	Township	Range	Section	Quarter Sections	
					¼	¼
					¼	¼

METHOD OF TAKING WATER	
<b>Pump</b> Pump Intake <u>6</u> Inches Pump Output <u>500</u> GPM	Hours Working <u>5</u> Hours/Day Length of Pipe <u>25</u> Feet (from pump to point of use)
<b>Gravity</b> Pipe Diameter _____ Inches Head _____ Feet	Length of Pipe _____ Feet (take point to point of use)
<b>Ditch</b> L _____ H _____ W _____ Feet	Diversion Rate _____ <input type="checkbox"/> GPM or <input type="checkbox"/> CFS
<b>Reservoir</b> L _____ H _____ W _____ Feet	Water Storage _____ Acre-feet
<b>Dam</b> L _____ H _____ W _____ Feet	Water Storage _____ Acre-feet

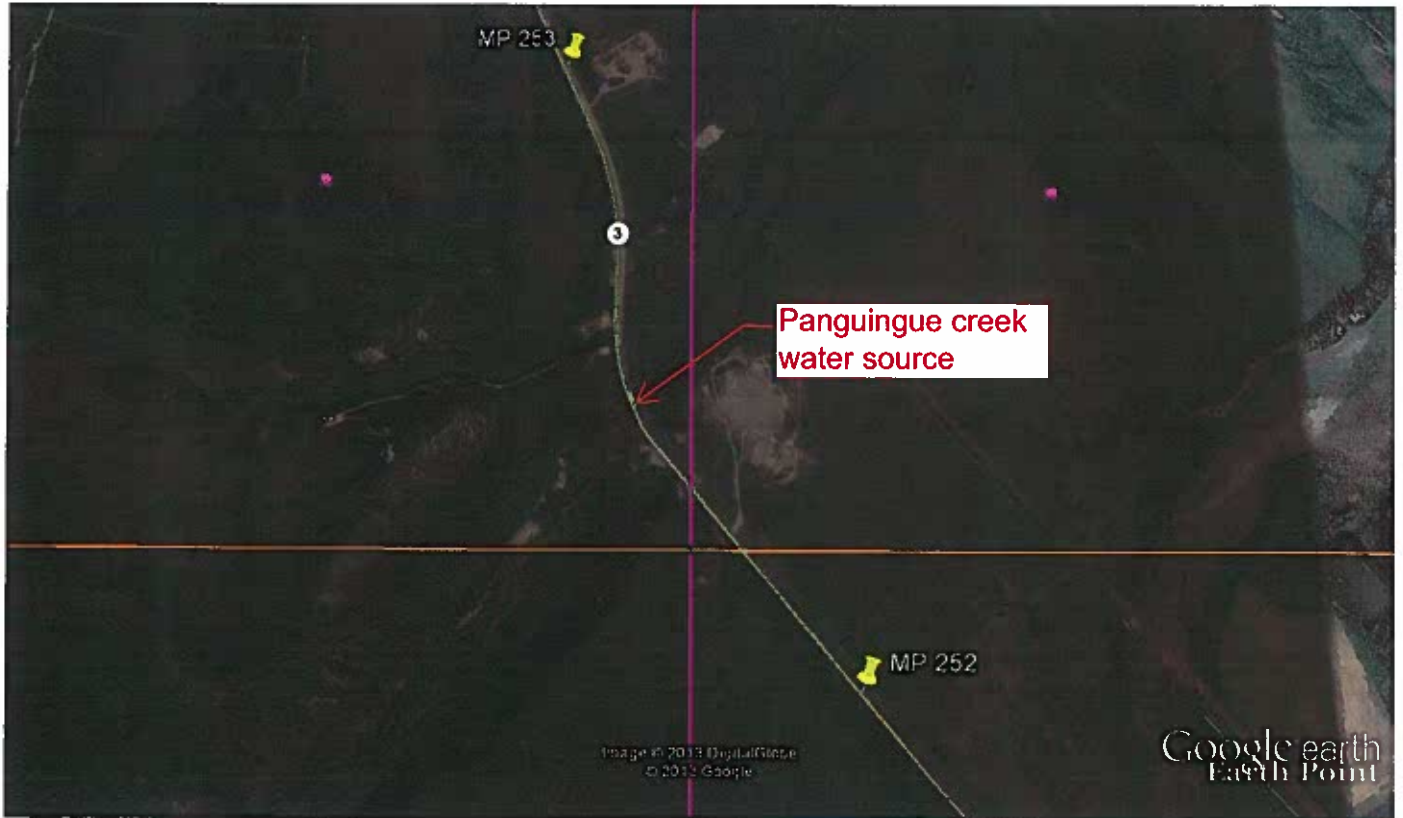
<b>AMOUNT OF WATER</b>					
<b>Purpose of Water Use</b>	<b>Quantity of Water</b>			<b>Season of Use</b>	
	<b>Maximum Withdrawal Rate</b>	<b>Total Daily Amount</b>	<b>Total Seasonal Amount</b>	<b>Date Work Will Start</b>	<b>Date Work Will be Completed</b>
Dust control/compaction	500 GPM	100,000 Gal	8,000,000 Gal	4/22/13	10/31/13
Seeding	500 GPM	50,000 Gal	4,000,000 Gal	6/1/13	6/1/14
Project Totals		150,000 Gal	12,000,000 Gal	Total years needed: <u>2</u>	

<b>PROJECT DESCRIPTION</b>
<p>What alternative water sources are available to your project should a portion of your requested diversion be excluded because of water shortage or public interest concerns?</p> <p>Alternative bodies listed on this application.</p>
<p>Are there any surface water bodies or water wells at or near your site(s) that could be affected by the proposed activity? If yes, list any ground water monitoring programs going on at or near the sites, any water shortages or water quality problems in the area, and any information about the water table, if known.</p> <p>None known</p>
<p>Briefly describe the type and size of equipment used to withdraw and transport water, including the amount of water the equipment uses or holds.</p> <p>6" water pump attached to intake hose and output to a "j-stand" or similar for filling water truck/tankers</p>
<p>Briefly describe what changes at the project site and surrounding area will occur or are likely to occur because of construction or operation of your project (e.g. public access, streambed alteration, trenching, grading, excavation).</p> <p>none due to pumping</p>
<p>Briefly describe land use around the water take, use, and return flow points (e.g. national park, recreational site, residential).</p> <p>public land, dot ROW</p>
<p>Will project be worked in phases? State reason for completion date.</p> <p>yes, may only work on 5 miles at a time for a 11 mile project</p>
<p>Briefly describe your entire project:</p> <p>Rehabilitation of roadway and addition of 3 passing lane areas between MP 252 and MP 263 of the Parks Highway.</p>
(Attach extra page if needed.)

11 AAC 93.220 sets out the required information on the application and authorizes the department to consider any other information needed to process an application for a temporary use of water. This information is made a part of the state public water records and becomes public information under AS 40.25.110 and 40.25.120. Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

<b>SIGNATURE</b>	
The information presented in this application is true and correct to the best of my knowledge. I understand that no water right or priority is established per 11 AAC 93.210-220, that the water used remains subject to appropriation by others, and that a temporary water use authorization may be revoked if necessary to protect the water rights of other persons or the public interest.	
 <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> Signature <b>Travis Williams</b> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> Name (please print)	3/28/13 <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> Date <b>Project Engineer</b> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> Title (if applicable)

<b>REFERENCES</b>																															
<b>Measurement Units</b> GPD = gallons per day CFS = cubic feet per second GPM = gallons per minute AF = acre-feet AFY = acre-feet per year (325,851 gallons/year) AFD = acre-feet per day (325,851 gallons/day) MGD = million gallons per day																															
<b>Conversion Table</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">5,000 GPD=</th> <th style="text-align: left; border-bottom: 1px solid black;">30,000 GPD=</th> <th style="text-align: left; border-bottom: 1px solid black;">100,000 GPD=</th> <th style="text-align: left; border-bottom: 1px solid black;">500,000 GPD=</th> <th style="text-align: left; border-bottom: 1px solid black;">1,000,000 GPD=</th> </tr> </thead> <tbody> <tr> <td>0.01 CFS</td> <td>0.05 CFS</td> <td>0.2 CFS</td> <td>0.8 CFS</td> <td>1.5 CFS</td> </tr> <tr> <td>3.47 GPM</td> <td>20.83 GPM</td> <td>69.4 GPM</td> <td>347.2 GPM</td> <td>694.4 GPM</td> </tr> <tr> <td>5.60 AFY</td> <td>33.60 AFY</td> <td>112.0 AFY</td> <td>560.1 AFY</td> <td>1120.1 AFY</td> </tr> <tr> <td>0.2 AFD</td> <td>0.09 AFD</td> <td>0.3 AFD</td> <td>1.5 AFD</td> <td>3.1 AFD</td> </tr> <tr> <td>0.01 MGD</td> <td>0.03 MGD</td> <td>0.1 MGD</td> <td>0.5 MGD</td> <td>1.0 MGD</td> </tr> </tbody> </table>		5,000 GPD=	30,000 GPD=	100,000 GPD=	500,000 GPD=	1,000,000 GPD=	0.01 CFS	0.05 CFS	0.2 CFS	0.8 CFS	1.5 CFS	3.47 GPM	20.83 GPM	69.4 GPM	347.2 GPM	694.4 GPM	5.60 AFY	33.60 AFY	112.0 AFY	560.1 AFY	1120.1 AFY	0.2 AFD	0.09 AFD	0.3 AFD	1.5 AFD	3.1 AFD	0.01 MGD	0.03 MGD	0.1 MGD	0.5 MGD	1.0 MGD
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<b>Fee required by regulation 11 AAC 05.010(a)(8)</b> <ul style="list-style-type: none"> <li>• \$350 for all uses of water from up to five water sources</li> </ul> Make checks payable to "Department of Natural Resources".																															
<b>Coastal Zone</b> If this appropriation is within the Coastal Zone, and you are planning to use more than 1,000 GPD from a surface water source or 5,000 GPD from a subsurface water source, you need to submit a completed Coastal Project Questionnaire with this application. For more information on the Coastal Zone, contact the Office of Project Management and Permitting; Anchorage 269-7470, Juneau 465-3562, <a href="http://www.dnr.state.ak.us/acmp/">www.dnr.state.ak.us/acmp/</a> .																															



Google earth

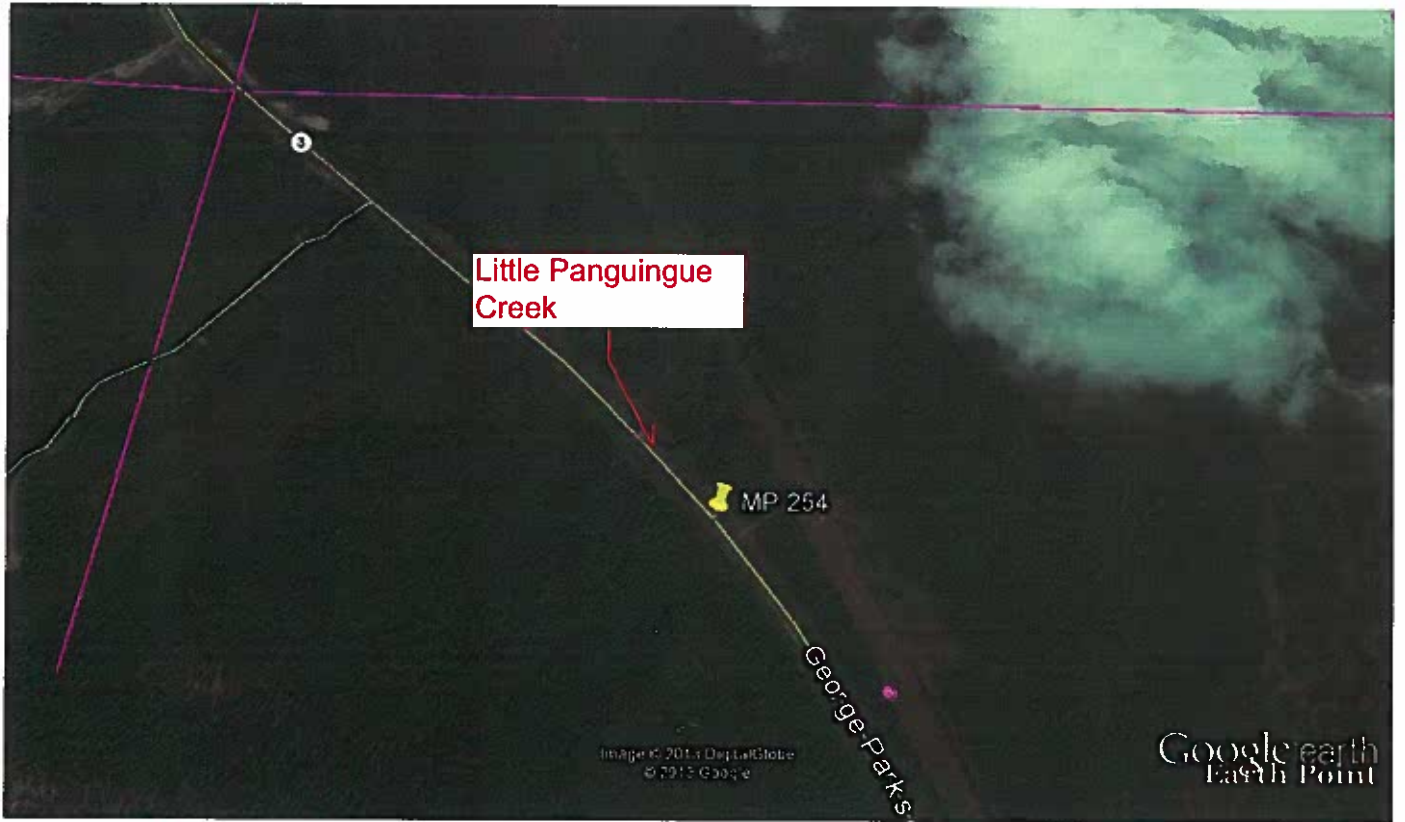
feet  
km





Google earth

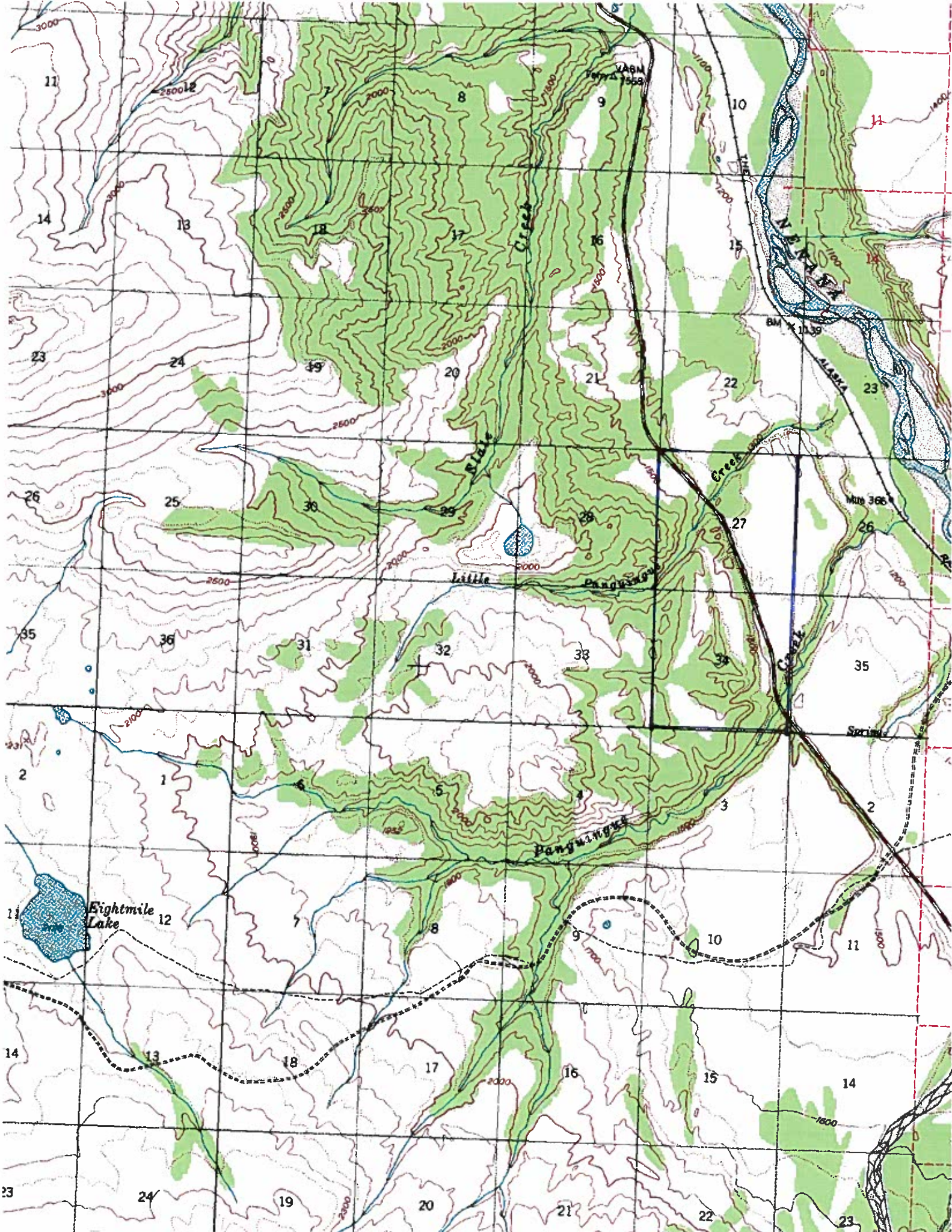




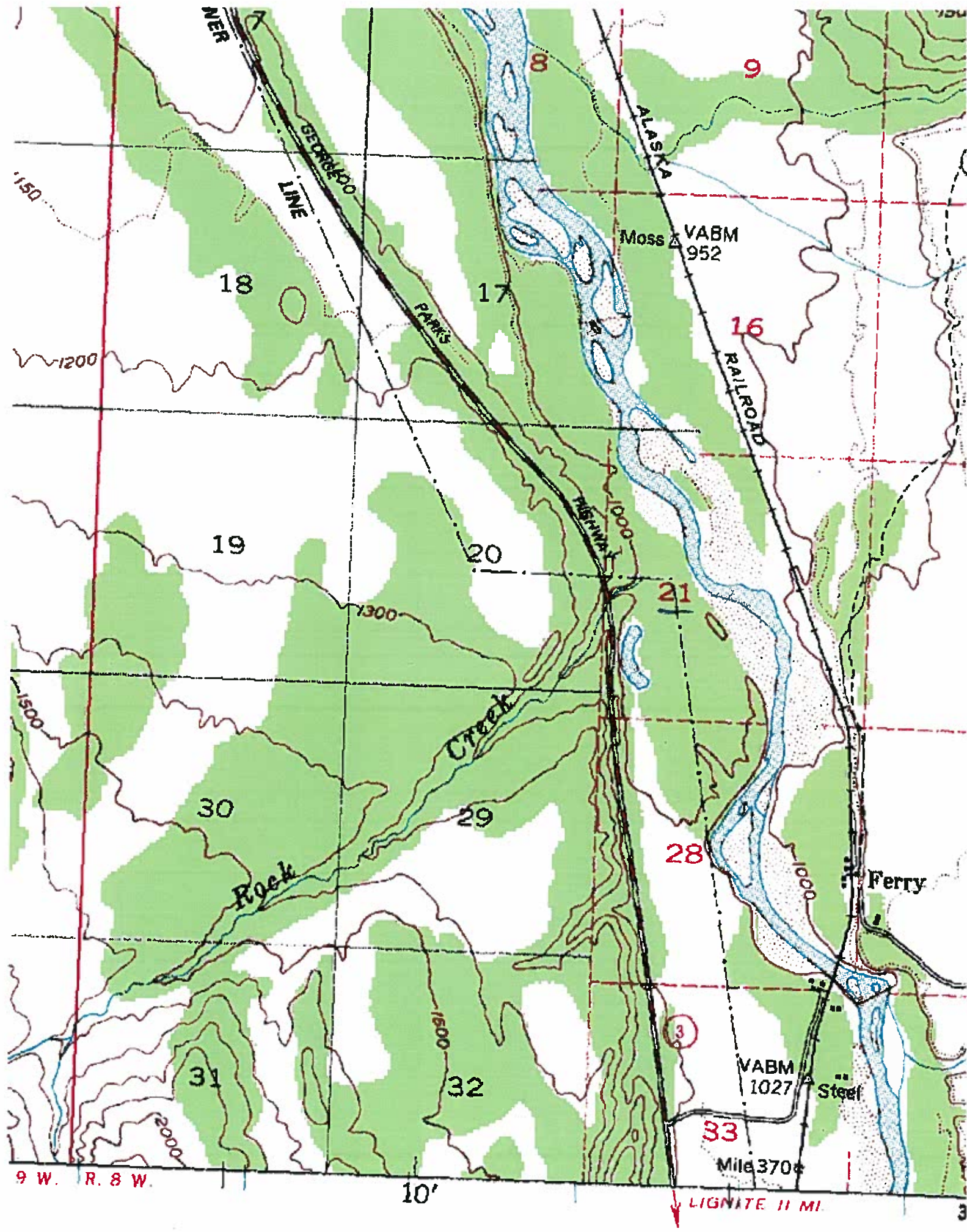
Google earth

feet  
meters









MER

GEORGE LINE

ALASKA RAILROAD

RAILROAD

Ferry

Steel

VABM 952

VABM 1027

Mile 370+

LIGNITE 11 MI.

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9 W. R. 8 W.

10'

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