

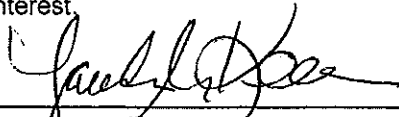
PROPERTY DESCRIPTIONS						
Location of Water Use						
Project Area (e.g. milepost range, place name, survey number)	Meridian	Township	Range	Section	Quarter Sections	
West Mikkelsen State 1	Umiat	10N	19E	32	¼	¼
					¼	¼
Location of Water Source						
Geographic Name of Water Body or Well Depth	Meridian	Township	Range	Section	Quarter Sections	
Lake 20	Umiat	9N	19E	9	¼	¼
Lake 21	Umiat	9N	19E	5,6,7,8	¼	¼
Old Shaviovik Gravel Pit	Umiat	9N	19E	2	¼	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	
N/A					¼	¼
					¼	¼

METHOD OF TAKING WATER	
Pump Pump Intake <u>Varies</u> Inches Pump Output <u>Varies</u> GPM	Hours Working <u>UP TO 24</u> Hours/Day Length of Pipe <u>Varies</u> Feet (from pump to point of use)
Gravity Pipe Diameter <u>N/A</u> Inches Head <u>N/A</u> Feet	Length of Pipe <u>N/A</u> Feet (take point to point of use)
Ditch L <u>N/A</u> H <u>N/A</u> W <u>N/A</u> Feet	Diversion Rate <u>N/A</u> <input type="checkbox"/> GPM or <input type="checkbox"/> CFS
Reservoir L <u>N/A</u> H <u>N/A</u> W <u>N/A</u> Feet	Water Storage <u>N/A</u> Acre-feet
Dam L <u>N/A</u> H <u>N/A</u> W <u>N/A</u> Feet	Water Storage <u>N/A</u> Acre-feet

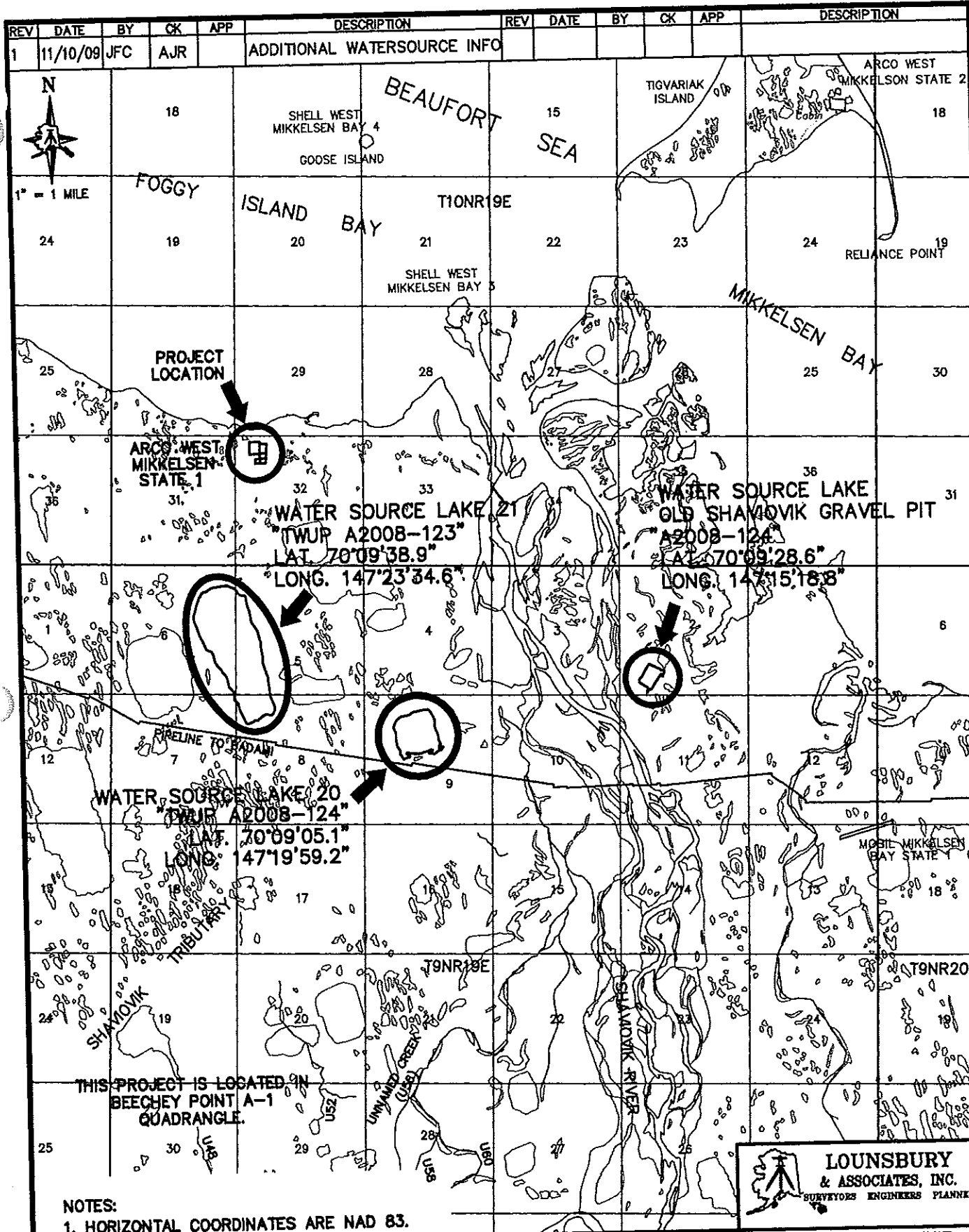
AMOUNT OF WATER					
Purpose of Water Use	Quantity of Water			Season of Use	
	Maximum Withdrawal Rate	Total Daily Amount	Total Seasonal Amount	Date Work Will Start	Date Work Will be Completed
Ice pad, ice chips and ice roads	2,500,000 gallons	Varies	Varies	December 2009	December 2010
Project Totals		Varies	2,500,000 gallons	Total years needed: <u>1YEAR</u>	

PROJECT DESCRIPTION
<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>These three water bodies were selected by CPAI because they have been previously studied and permitted by others.</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>There is no groundwater monitoring at or near the site. Water shortages may be an issue due to water demands this winter by others.</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>Although the specifications vary, in general water is withdrawn using 3 to 6 inch pumps.</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>No changes are expected to occur at the water source.</p>
<p>Briefly describe land use around the water take, use, and return flow points (e.g. national park, recreational site, residential).</p> <p>Area is a conservation zone per the North Slope Borough with oil and gas development allowed.</p>
<p>Will project be worked in phases? State reason for completion date.</p> <p>This is a 1 year project.</p>
<p>Briefly describe your entire project:</p> <p>SEE ATTACHMENT.</p>
<p>(Attach extra page if needed.)</p>

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.

SIGNATURE	
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/> Signature	11-12/09 <hr/> Date
Sarah M Kenshalo <hr/> Name (please print)	ENV. COORD <hr/> Title (if applicable)

REFERENCES																														
Measurement Units 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																														
Conversion Table <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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Fee required by regulation 11 AAC 05.010(a)(8) <ul style="list-style-type: none"> • \$350 for all uses of water from up to five water sources Make checks payable to "Department of Natural Resources".																														
Coastal Zone 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, www.dnr.state.ak.us/acmp/ .																														



NOTES:
 1. HORIZONTAL COORDINATES ARE NAD 83.

ConocoPhillips
 Alaska, Inc.

AREA: WEST MIKKELSEN STATE 1
 MODULE: XXXX UNIT:
 WATER SOURCE LOCATION
 PERMIT DRAWING

CADD FILE NO.
 LK6017D239

8/29/09

DRAWING NO.

NSK 6.01.7-d239

PART: 1 OF 1

REV: 1



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