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July 16, 2019

EnCana Corporation  
PO Box 2850  
500 Centre Street SE  
Calgary, AB T2P 2S5

**Attention: Stephen Skarstol**

<b>File Number</b>	<b>S99A-015</b>
<b>Type of Operation</b>	<b>OIL AND GAS DRILLING - WELLSITE</b>
<b>Location</b>	Remote Sump for wellsite G-18

Dear Stephen Skarstol,

An inspection of the above-noted operation was conducted on July 09, 2019 by Resource Management Officer II Jonathan Gillingham, Resource Management Officer I Bonnie Deschene, and Manager of Resource Management Trevor Bremner.

Enclosed is a copy of the Environmental Inspection Report. Please refer to the unacceptable and noted conditions in the general comments section of this report. Your attention to this matter is appreciated.

If you have any questions, please contact me at 867-587-7205.

Sincerely,

Jonathan Gillingham  
Resource Management Officer II  
Department of Lands – Sahtu Region

CC: Sahtu Land And Water Board  
Trevor Bremner – Manager of Resource Management – Sahtu Region



## ENVIRONMENTAL INSPECTION REPORT

<b>Permittee:</b>	EnCana Corporation	<b>Permit Expiry Date:</b>	December 15, 2004
<b>Land Use Permit No.</b>	S99A-015	<b>Previous Inspection:</b>	August 29, 2016
<b>Quarrying Permit No.</b>	N/A	<b>Inspection Date:</b>	July 09, 2019
<b>Contractor:</b>	N/A	<b>Subcontractor:</b>	N/A
<b>Location(s) Inspected:</b>	Remote Sump for wellsite G-18		
<b>Current Stage of Operation:</b>	Remediation		
<b>Program Modifications Approved:</b>	None		

**Condition of Operation "A" - Acceptable "U" - Unacceptable "N/A" - Not Applicable "N/I" - Not Inspected**

Operating Condition	Aspect Inspected	
	<b>Sump</b>	
Location as Permitted	A	
Time as Permitted	A	
Equipment as Approved (Type & Size)	A	
Methods & Techniques	A	
Chemicals	U	Condition 7.6
Wildlife and Fisheries Habitat (Protection)	A	
Wastes	A	
Facilities	N/A	
Erosion (Control or Prevention)	U	Condition 6.17
Historical / Archaeological Sites	N/A	
Fuel Storage	N/A	
Permits	N/A	
Sections 12 to 19 T.L.U.R.	N/A	
Brush Disposal	A	
Restoration of Lands	U	Condition 15.3
Sections 8 to 12 / 14 to 16 M.V.L.U.R.	A	

**Sump:**

The sump onsite has a large area where ungulates have used for wallowing in the past and present. This sump has a history where drilling muds containing sodium chloride (NaCl) were deposited and encapsulated within. Over time these salts inside the sump have leached out in the surrounding area attracting the ungulates to wallow year after year. This interferes with **Condition 7.6** of the Land Use Permit.

**Condition 7.6:** "The Permittee shall not allow any drilling waste to spread to the surrounding lands."

The vegetation on this site has not had any significant change since the last report. Mostly long grasses, small shrubs, and young trees. All this vegetation is relatively sparse throughout the site. On top of the sump, there are portions of unvegetated areas. It is also noted there are two areas adjacent to the sump where water has pooled continuously.



### ENVIRONMENTAL INSPECTION REPORT

It is recommended that the Permittee submit an action plan to remediate these adverse effects caused by the sump. This was requested by the last Inspector (August 29<sup>th</sup>, 2016). A remediation plan should diminish rutting and allow for the affected areas to revegetate as per **Conditions 6.17** and **15.3** within the Land Use Permit.

**Conditions 6.17:** “ The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.”

**Conditions 15.3:** “The Permittee shall commence and foster revegetation on all parts of the land used, as may be directed by the Land Use Inspector, within one year of the completion of the land use operation.”

There have been no submissions from the proponent since the year 2000. It is crucial that the proponent to contact The Department of Lands Sahtu Region, we have taken samples on the site during the inspection and are currently awaiting test results. Once the test results are received, The Department of Lands will act accordingly to address this situation.

\_\_\_\_\_  
Representative Signature

  
\_\_\_\_\_  
Inspector’s Signature



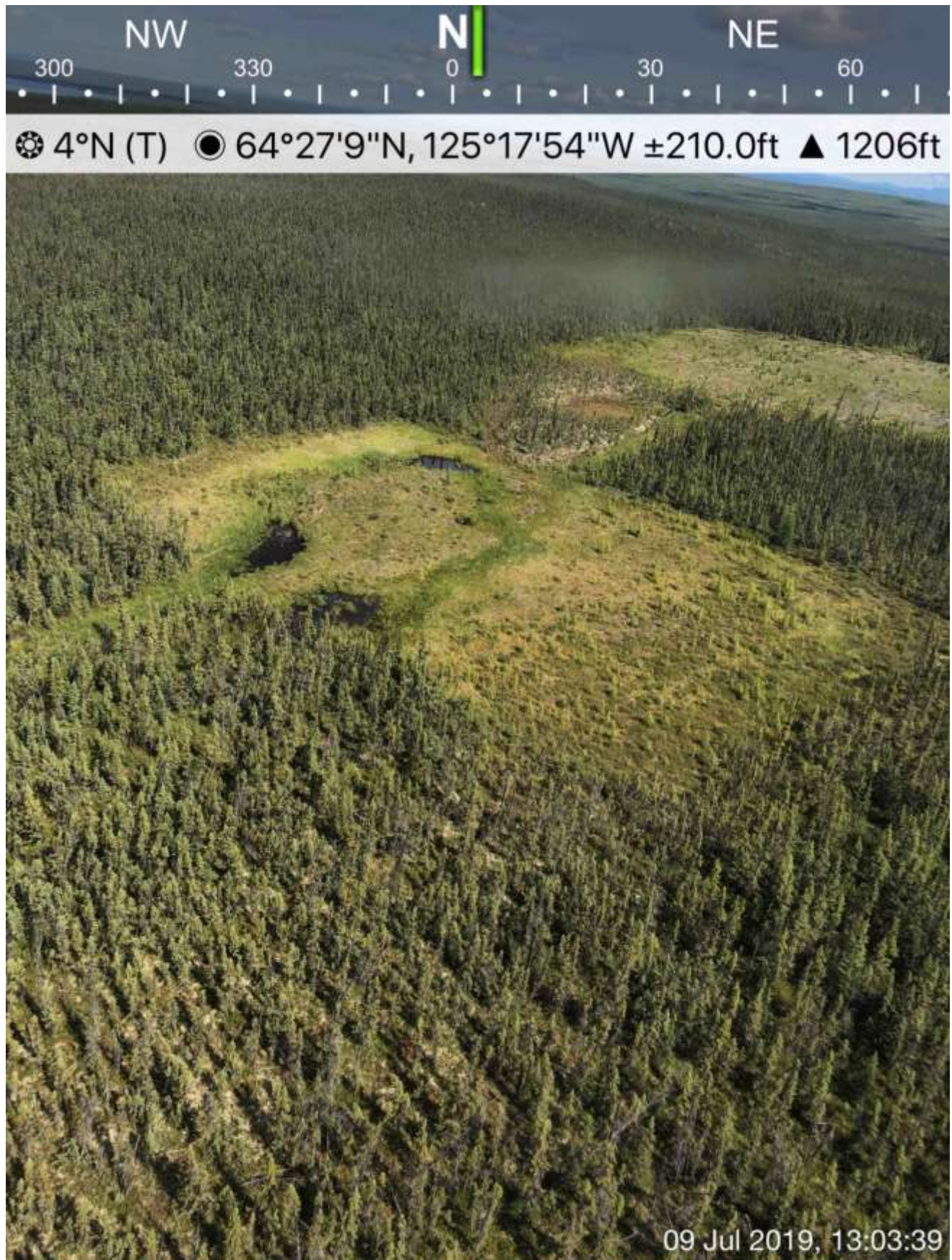


## ENVIRONMENTAL INSPECTION REPORT

Inspection Images:

Figure 1

Aerial view of the sump. One muddy wallowing pit with two areas of pooling water.



Date:	July 09, 2019	Permit #:	S99A-015	Page No:	3
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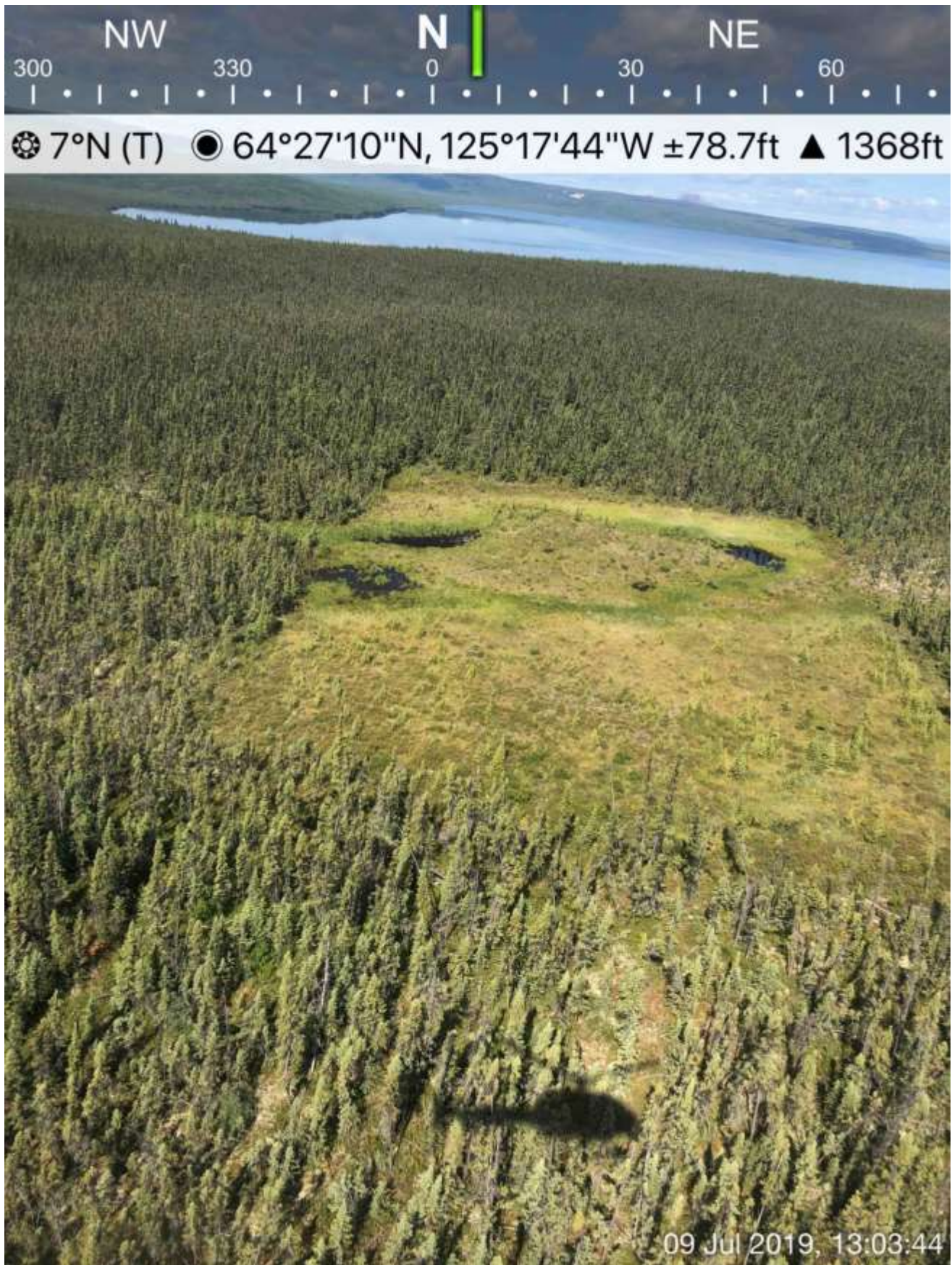




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Figure 2

Another aerial view of the sump.



Date:	July 09, 2019	Permit #:	S99A-015	Page No:	4
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