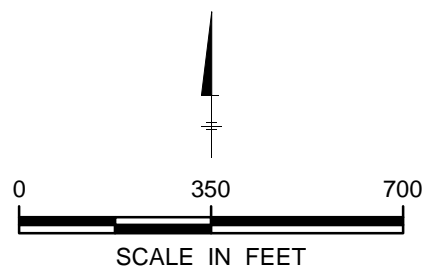


Notes:
 < = Not detected; Detection limit is listed
 J = Estimated concentration detected below the laboratory limit of quantitation (LOQ); flag applied by laboratory.
 JL* = Result is considered estimated, biased low, flag applied by Shannon & Wilson, Inc
 J* = Result is considered estimated (no direction of bias), due to QC failures or sample handling anomalies. Flag applied by Shannon & Wilson, Inc.
 UJ* = Analyte was not detected; listed limit of detection (LOD) is approximate and may be inaccurate or imprecise. Displayed as <...J*. Flag applied by Shannon & Wilson, Inc.
 ND = Not Detected
 µg/L = micrograms per liter
 -Contours are generally based on third quarter 2015 results and include some historical data where a third quarter sample was not collected
 -Only monitoring wells scheduled for sampling per the Long Term Monitoring Plan (Arcadis 2014b), the Operations, Maintenance, and Monitoring Plan (Barr 2014), and the Final Onsite Cleanup Plan (Arcadis 2014a) are shown on the figure.
 -Image provided courtesy of Pictometry International 2012

Legend	
●	Monitoring Well
○	Observation Well
⊙	Recovery Well
⊠	Vertical Profile Transect Well
⋯	Approximate Sulfolane Isoleth in µg/L at Water Table
▭	FHRA Property Boundary
●	Sulfolane Results
●	Not Detected
●	3.14 - 100 µg/L
●	100 - 1,000 µg/L
●	>1,000 µg/L
---	Well Dry/Frozen



FLINT HILLS RESOURCES ALASKA, LLC
 NORTH POLE TERMINAL, NORTH POLE, ALASKA
**SECOND SEMIANNUAL 2015 ONSITE
 GROUNDWATER MONITORING REPORT**
**THIRD QUARTER 2015 ONSITE SULFOLANE
 GROUNDWATER ANALYTICAL RESULTS -
 WATER TABLE**

FIGURE
ARCADIS
4-14