

## Hydrocarbon resource assessment of Nares Strait and central Ellesmere Island, Nunavut

Kalejaiye, A.M., Dewing, K.E., Lister, C.J., Kung, L.E., Atkinson, E.A., Krakowka, A., Khriashchevska, O., & Jiang C., 2024. Hydrocarbon resource assessment of Nares Strait and central Ellesmere Island, Nunavut, Geological Survey of Canada, Open File 9163, <https://doi.org/10.4095/332558>.

### **GIS Compilation**

All data were formatted for use in ArcGIS desktop version 10.8 developed by ESRI. This data is supplementary to Open File 9163.

### **Map Projection**

All layers presented in Canada Atlas Lambert (NAD 83) projection:

Central\_Meridian: -95.0

Standard\_Parallel\_1: 49.0

Standard\_Parallel\_2: 77.0

Latitude\_Of\_Origin: 49.0

False\_Easting: 0

False\_Northing: 0

### **Folder Contents:**

OF\_9163.mxd – Compatible with ArcGIS Desktop version 10.8 and newer

OF\_9163.xml

### **Shapefiles:**

All files in Lambert Conformal Conic (NAD 83) projection:

Central\_Meridian: -107.0

Standard\_Parallel\_1: 70.0

Standard\_Parallel\_2: 79.0

Latitude\_Of\_Origin: 40.0

False\_Easting: 2000000

False\_Northing: 0

OF\_9163\_STCCOS.shp

Play061\_Paleogene\_TCCOS.shp

Play120\_Cretaceous\_TCCOS.shp

Play435\_SilurianDev\_TCCOS.shp

Play458\_CambroOrd\_TCCOS.shp

Play999\_Proterozoic\_TCCOS.shp

### **Layer Files:**

CCOS.lyr – Cumulative Chance of Success colourbar

PSE\_COS.lyr – Technical Cumulative Chance of Success colourbar

STCCOS.lyr – Stacked Technical Cumulative Chance of Success colourbar

STCCOS = Stacked Technical Cumulative Chance of Success

TCCOS = Technical Cumulative Chance of Success

CCOS = Cumulative Chance of Success

Please refer to Open File 8404 for a detailed description of methodology.

***Reference:***

A probability-based method to generate qualitative petroleum potential maps: adapted for and illustrated using ArcGIS®. Lister, C J; King, H M; Atkinson, E A; Kung, L E; Nairn, R; Geological Survey of Canada, Open File 8404, 2018, 50 pages, <https://doi.org/10.4095/311225>