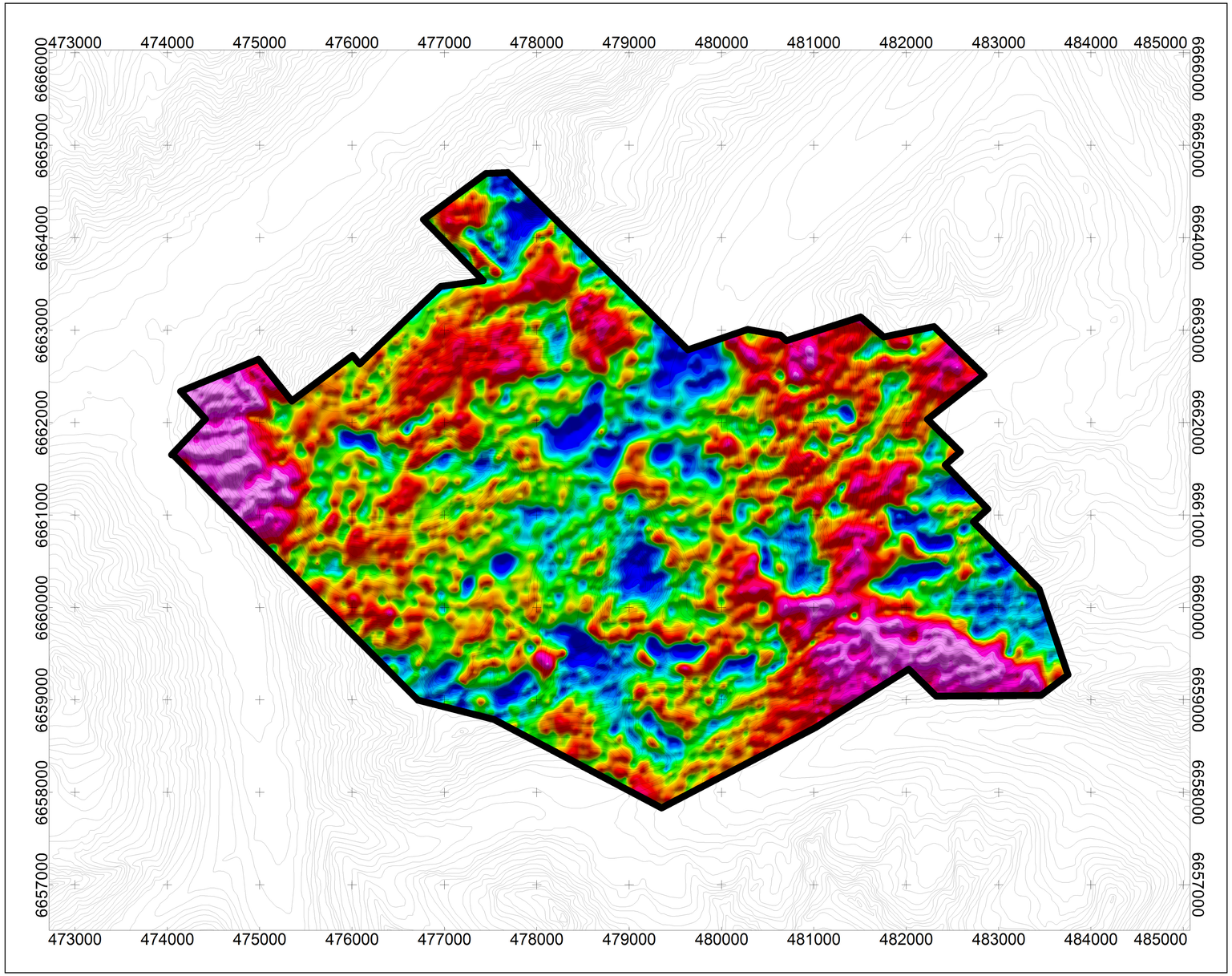


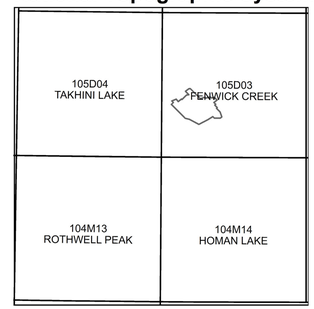
Scale 1:25000

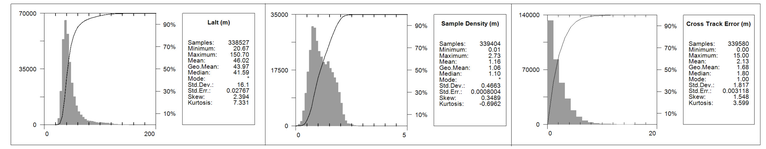
500 0 500 1000 1500

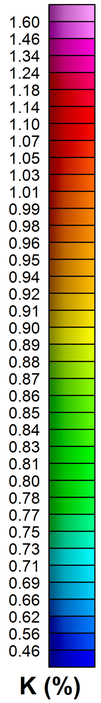
(meters)

WGS 84 / UTM zone 8N

National Topographic System







MAP PROJECTION

Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE

Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE

National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

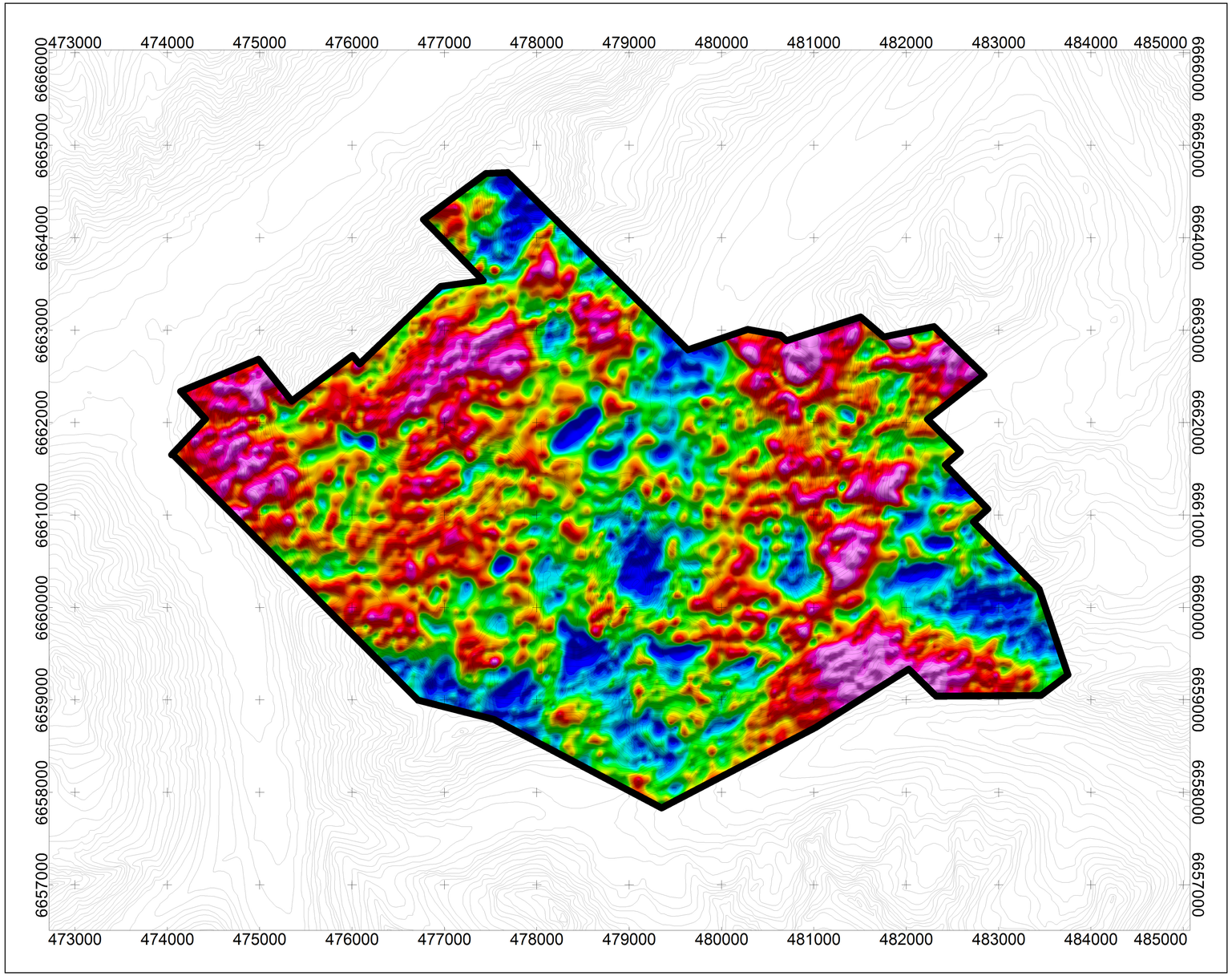
Radiometric Map

Potassium - Percentage

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 17
%K



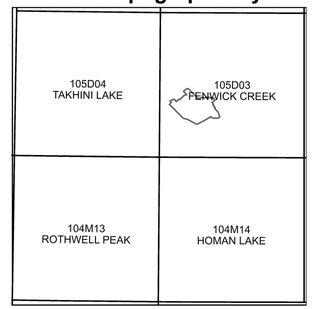
Scale 1:25000

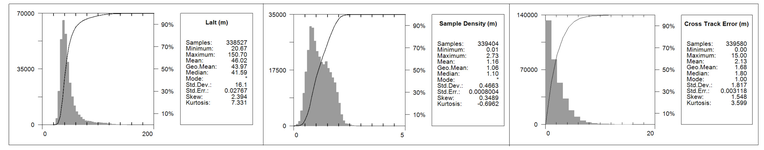
500 0 500 1000 1500

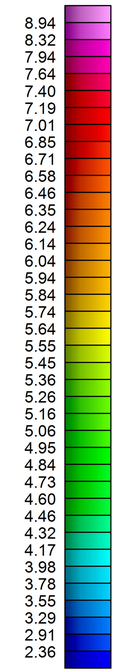
(meters)

WGS 84 / UTM zone 8N

National Topographic System







MAP PROJECTION
Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE
Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE
National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

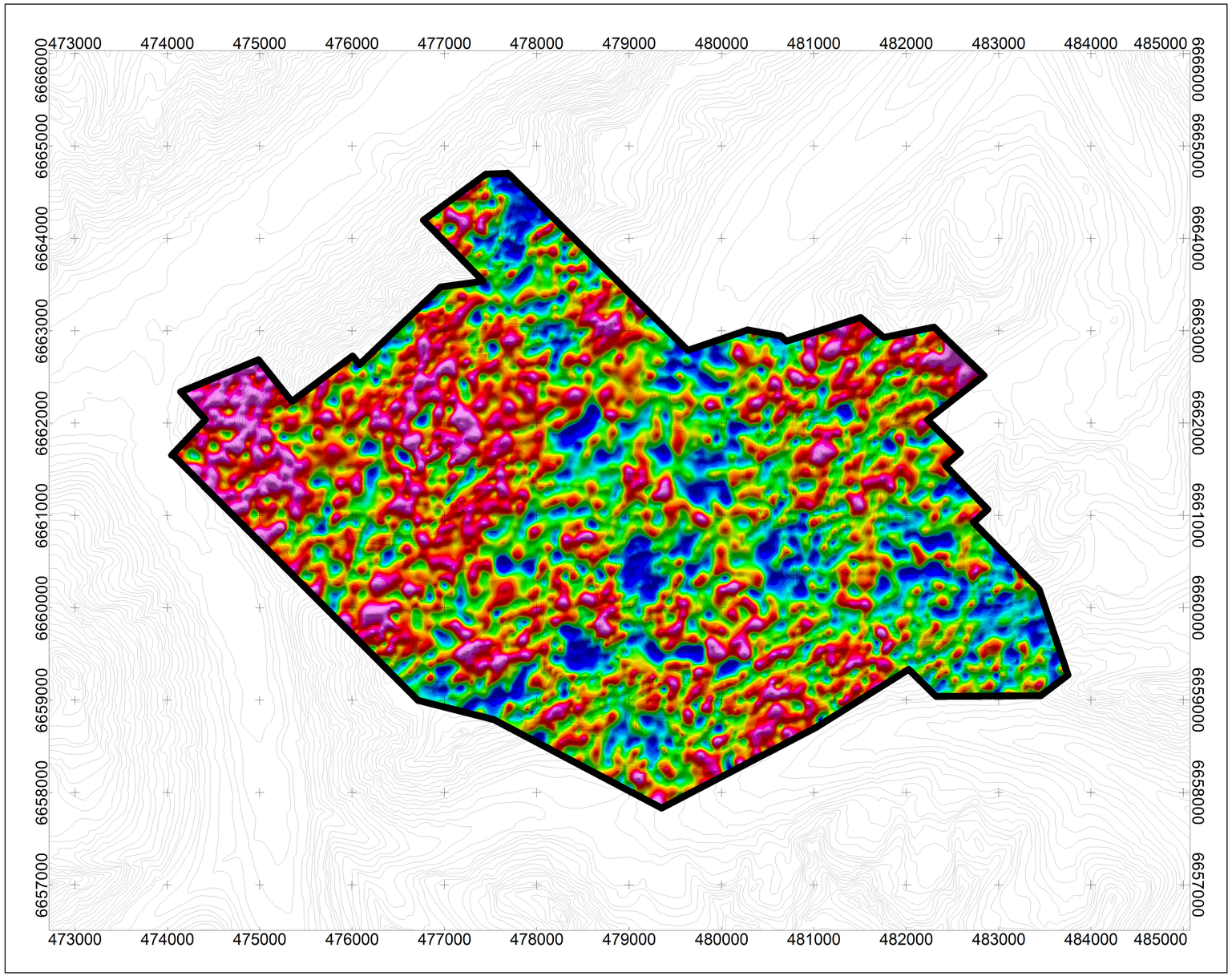
Radiometric Map

Thorium - Equivalent Concentration

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 18
eTh



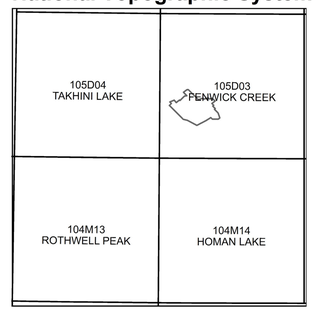
Scale 1:25000

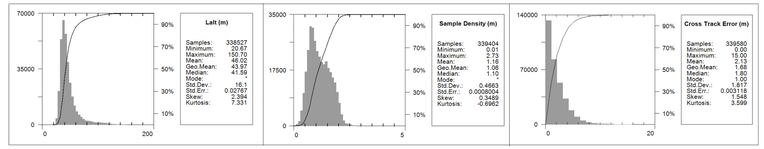
500 0 500 1000 1500

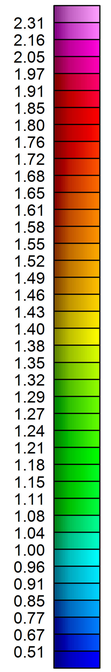
(meters)

WGS 84 / UTM zone 8N

National Topographic System







MAP PROJECTION
Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE
Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE
National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

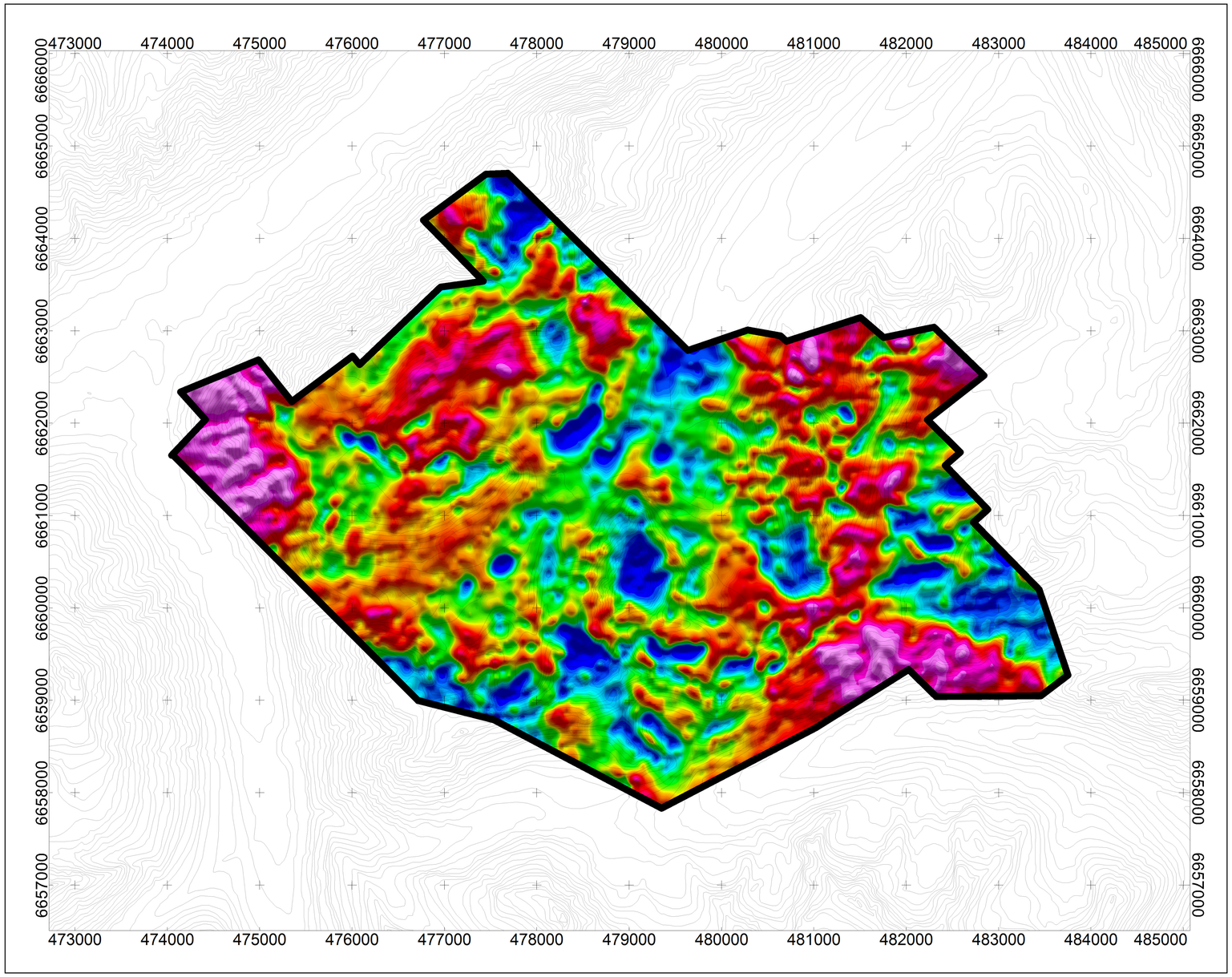
Radiometric Map

Uranium - Equivalent Concentration

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 19
eU



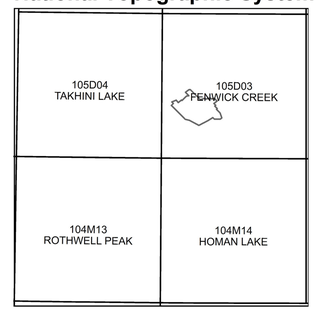
Scale 1:25000

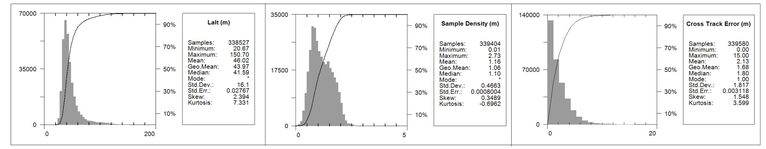
500 0 500 1000 1500

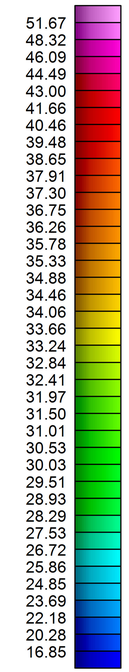
(meters)

WGS 84 / UTM zone 8N

National Topographic System







TC (nGy/hr)

MAP PROJECTION

Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE

Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE

National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

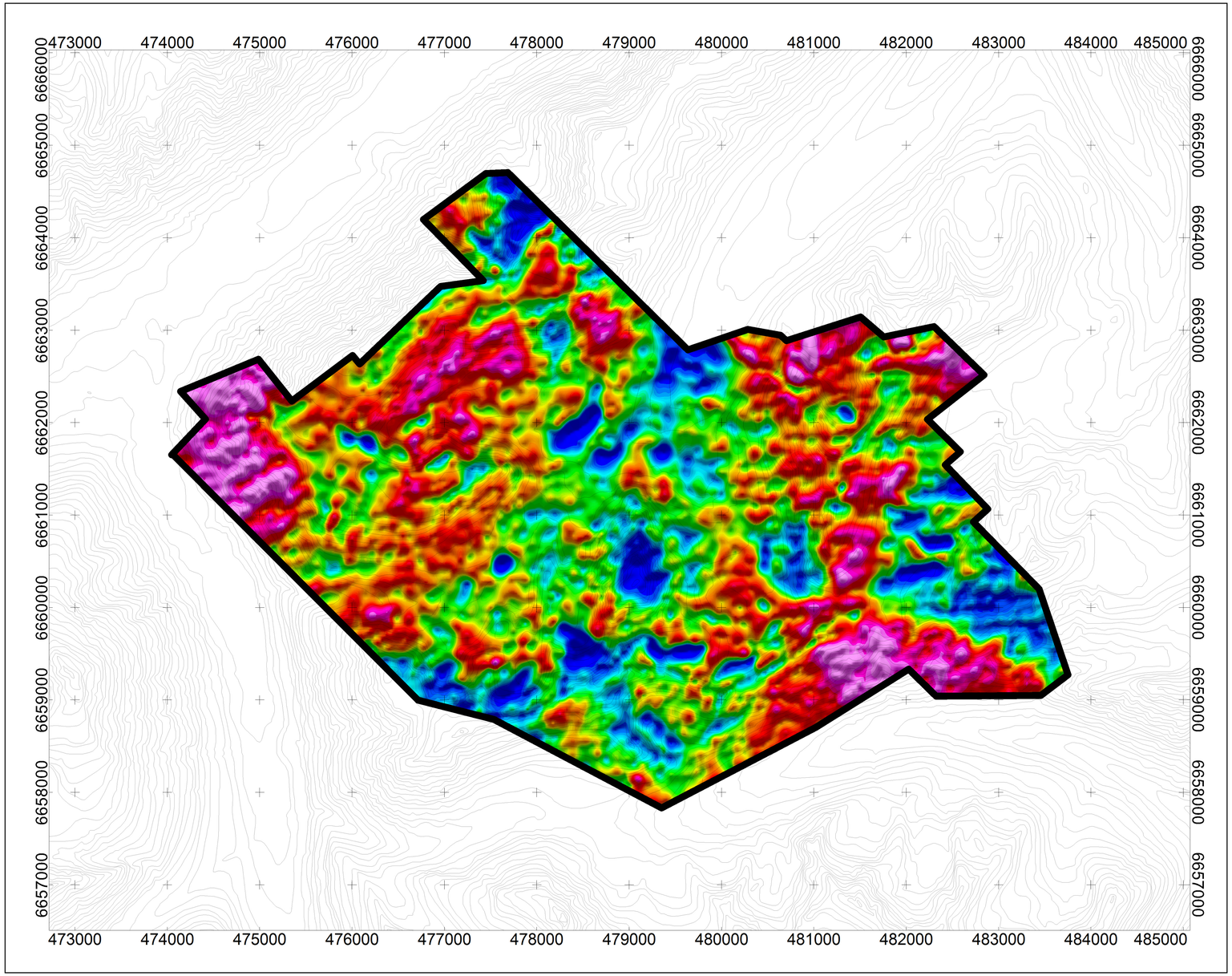
Radiometric Map

Total Count

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 20
TC



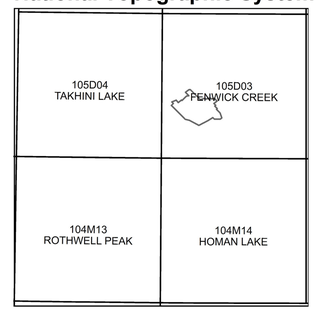
Scale 1:25000

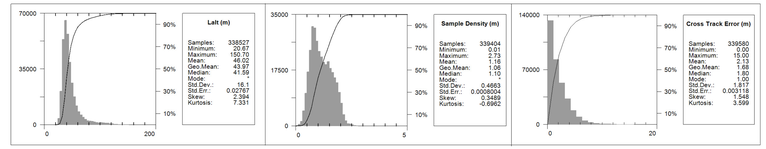
500 0 500 1000 1500

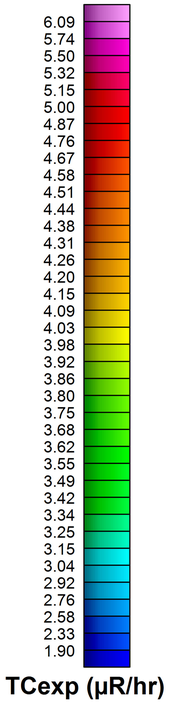
(meters)

WGS 84 / UTM zone 8N

National Topographic System







MAP PROJECTION
Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE
Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE
National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

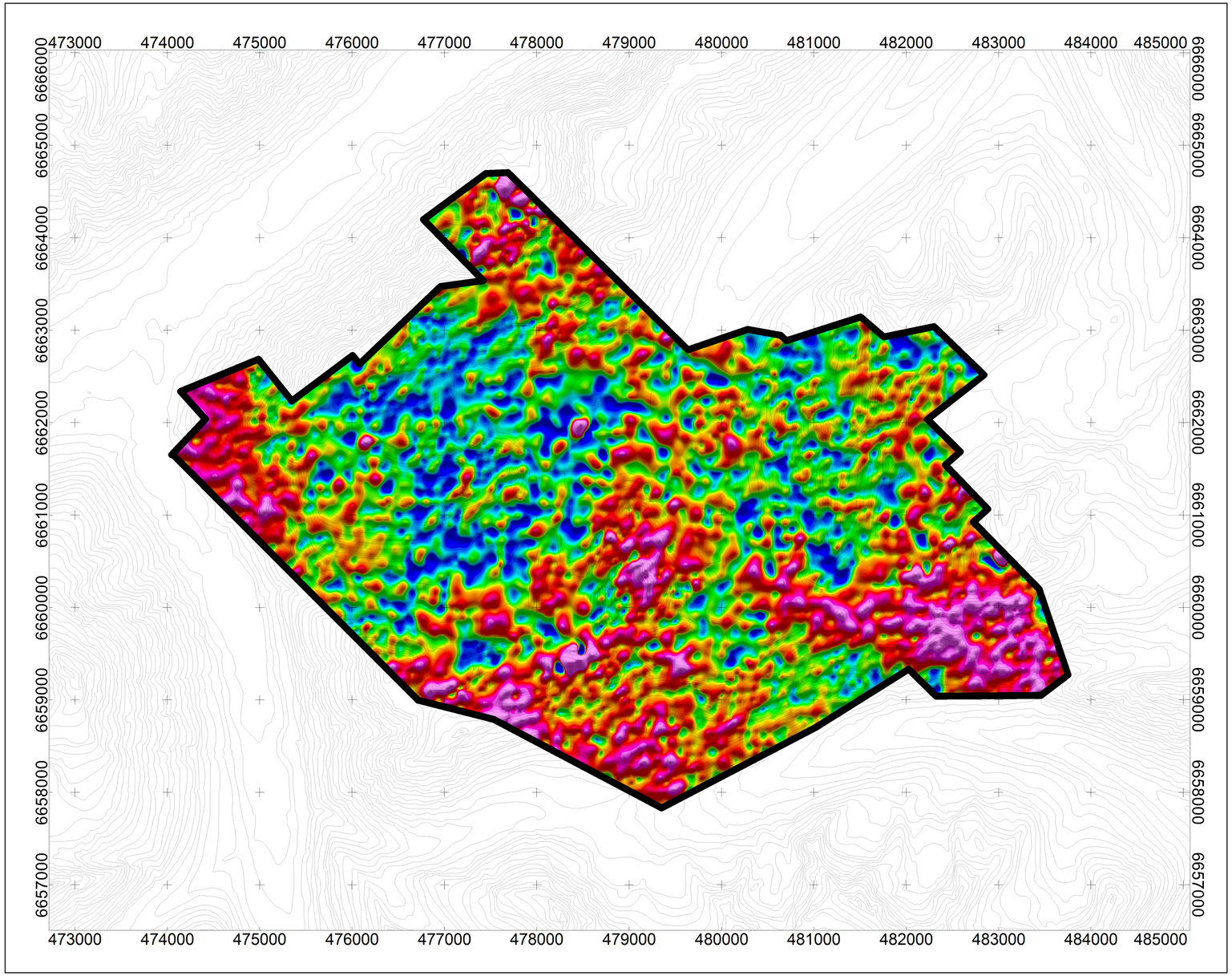
Radiometric Map

Total Count - Exposure Rate

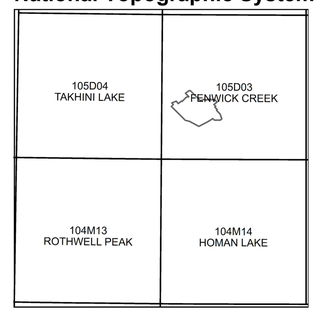
Precision GeoSurveys

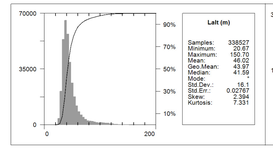
Job #21178
August 11, 2021

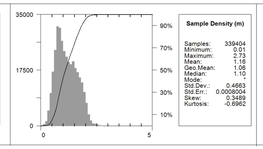
Plate 21
TCexp

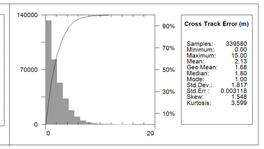


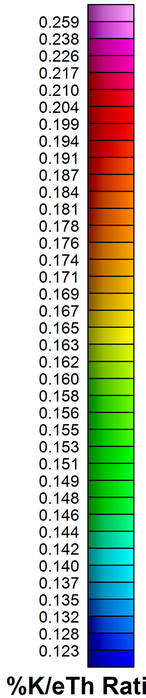
National Topographic System











%K/eTh Ratio

MAP PROJECTION
Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....
Pike - Warden Survey Block Boundary.....

DATA REFERENCE
Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE
National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Scale 1:25000
500 0 500 1000 1500
(meters)
WGS 84 / UTM zone 8N

Pike-Warden Survey Block

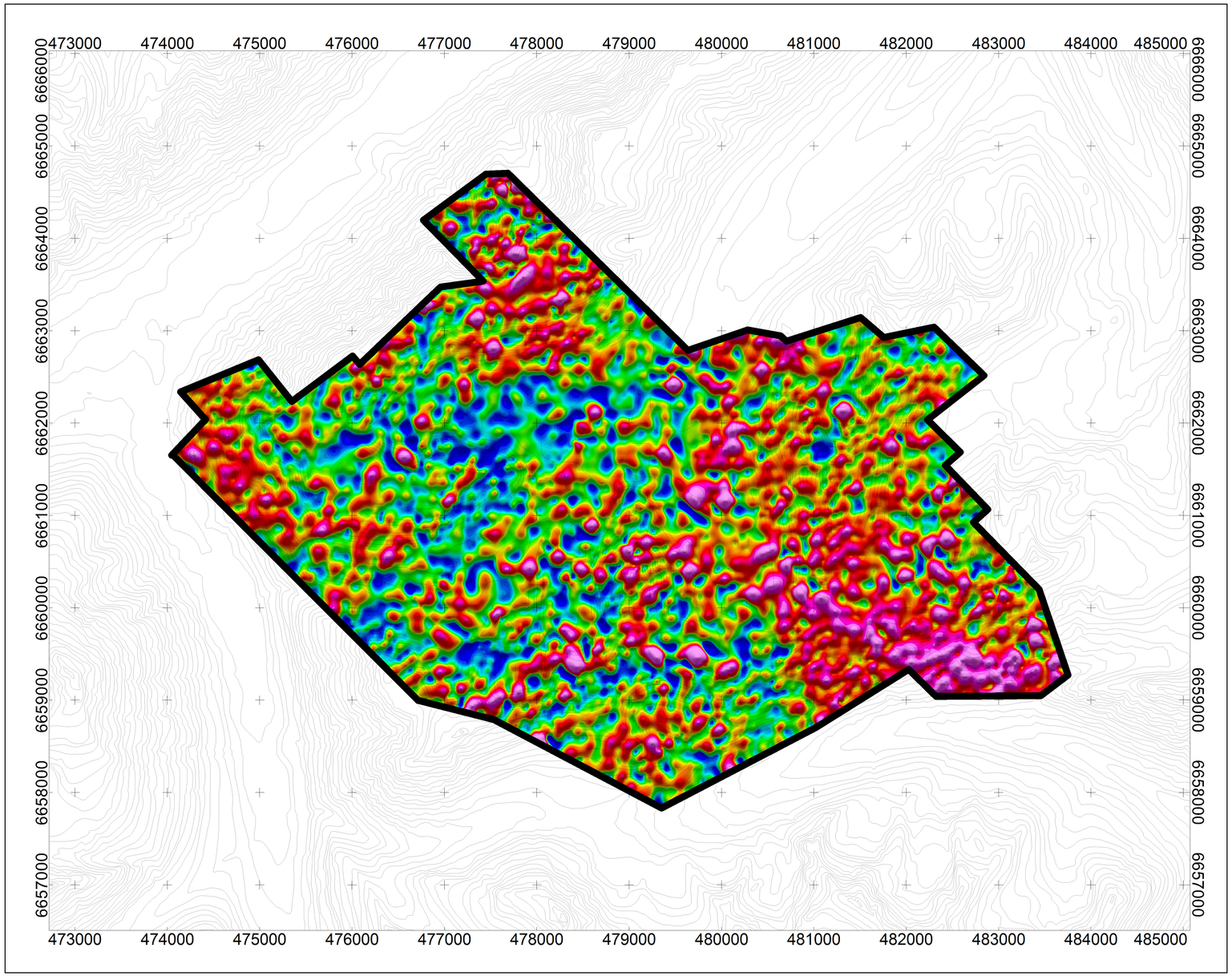
Radiometric Map

Potassium over Thorium Ratio

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 22
%K/eTh



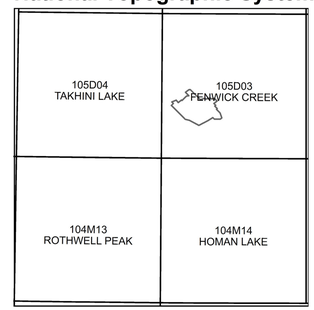
Scale 1:25000

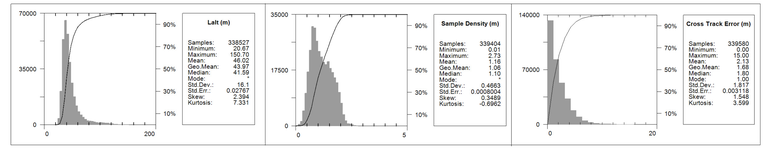
500 0 500 1000 1500

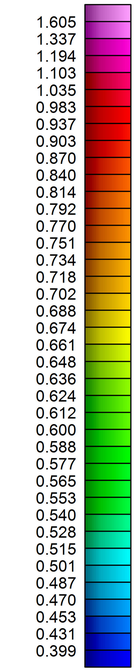
(meters)

WGS 84 / UTM zone 8N

National Topographic System







%K/eU Ratio

MAP PROJECTION

Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE

Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE

National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

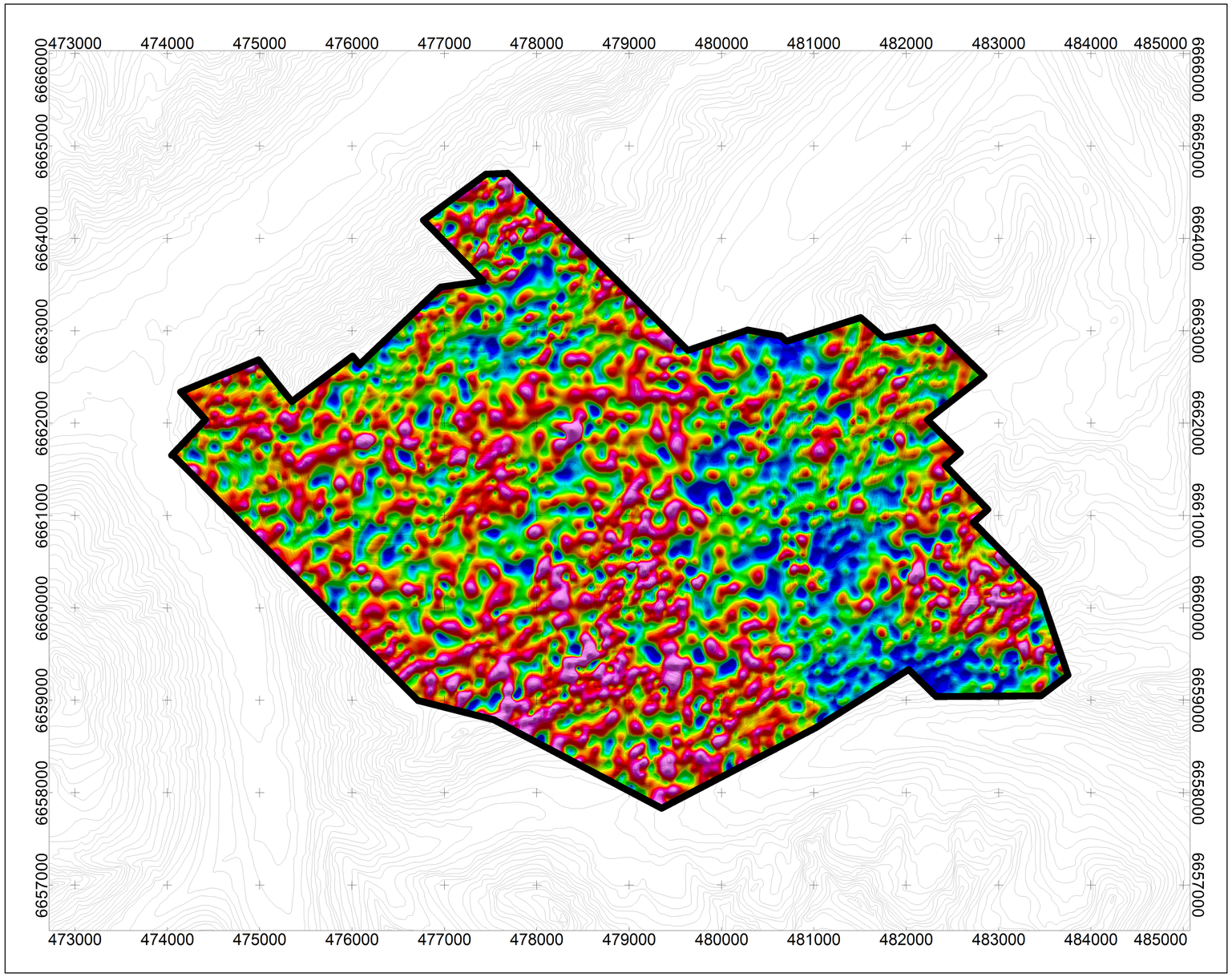
Radiometric Map

Potassium over Uranium Ratio

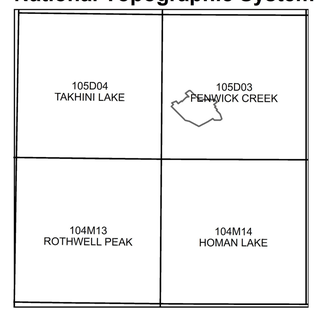
Precision GeoSurveys

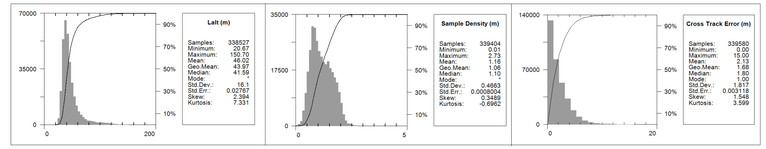
Job #21178
August 11, 2021

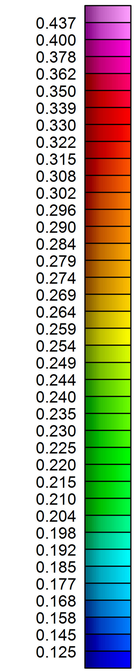
Plate 23
%K/eU



National Topographic System







eU/eTh Ratio

MAP PROJECTION
Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE
Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE
National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

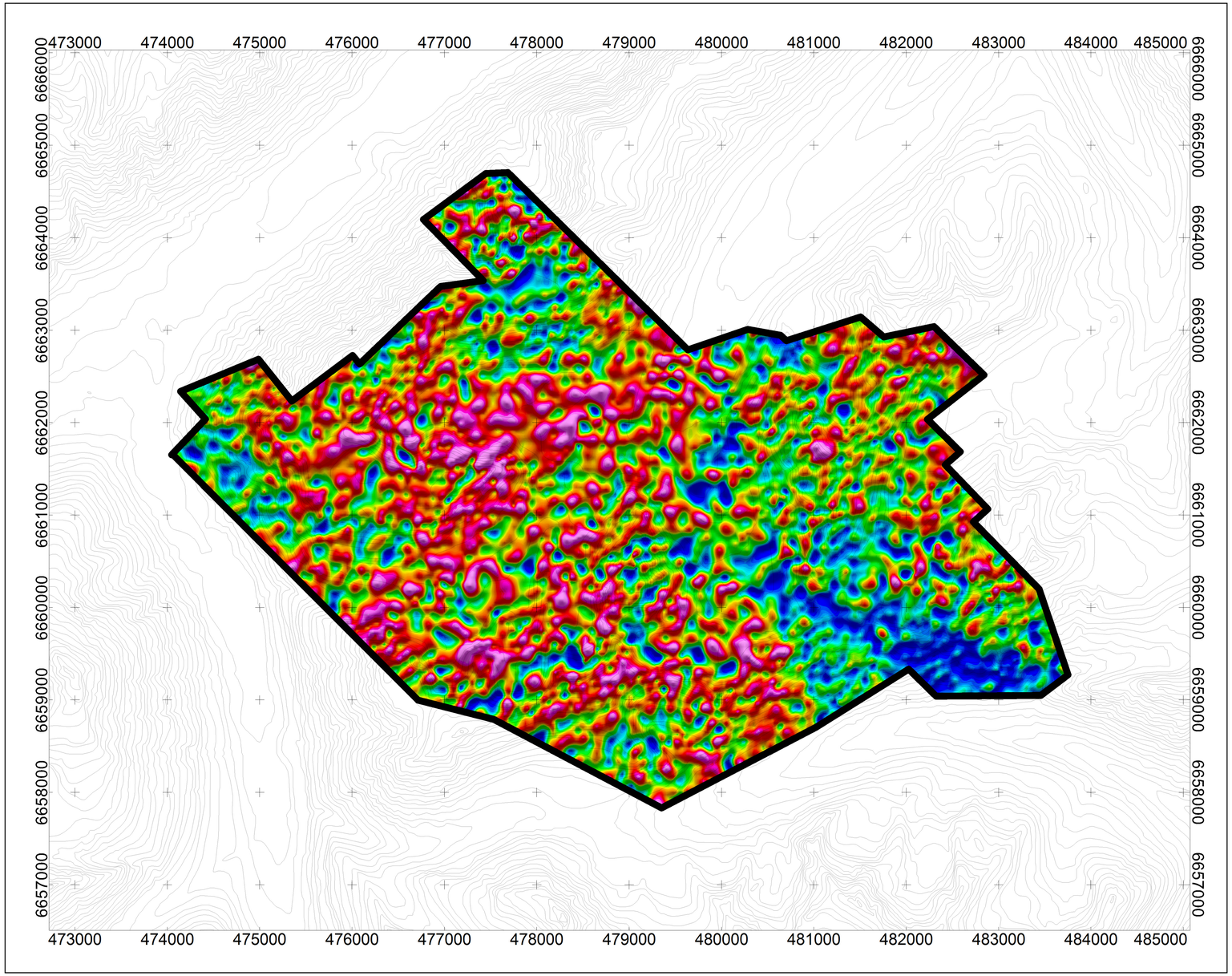
Radiometric Map

Uranium over Thorium Ratio

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 24
eU/eTh



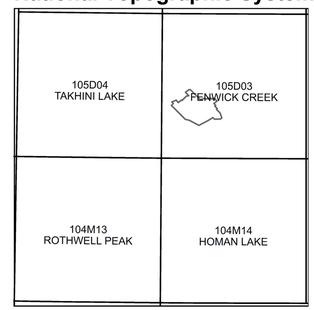
Scale 1:25000

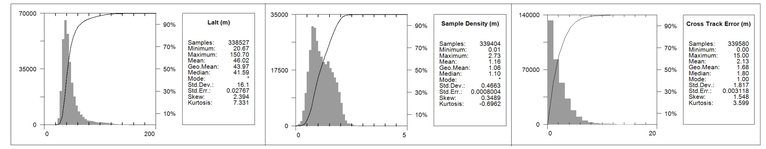
500 0 500 1000 1500

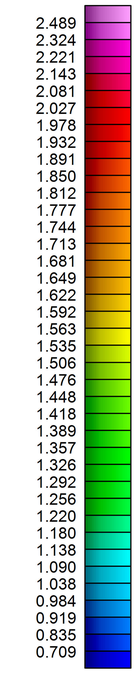
(meters)

WGS 84 / UTM zone 8N

National Topographic System







eU/%K Ratio

MAP PROJECTION

Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE

Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE

National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

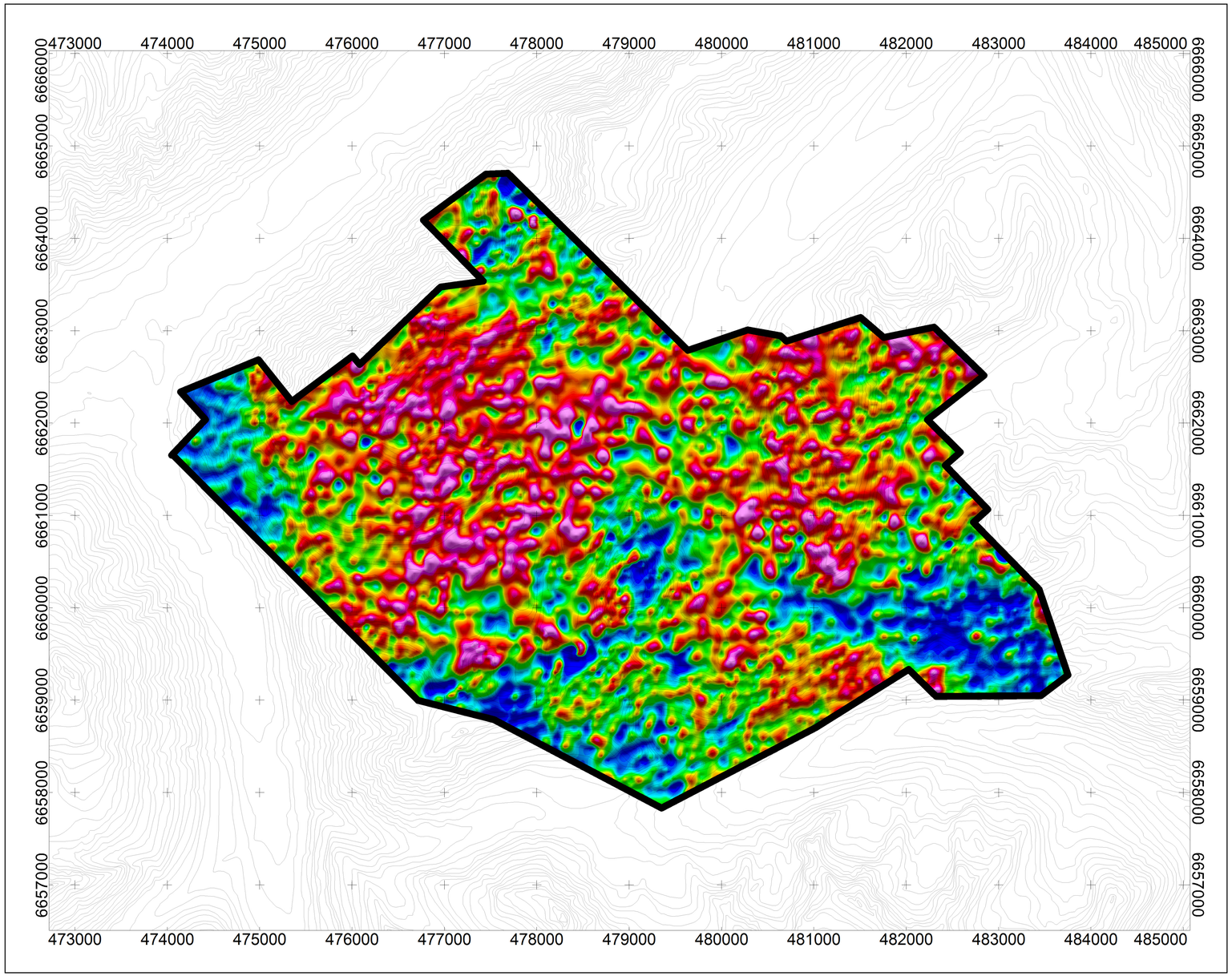
Radiometric Map

Uranium over Potassium Ratio

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 25
eU/%K



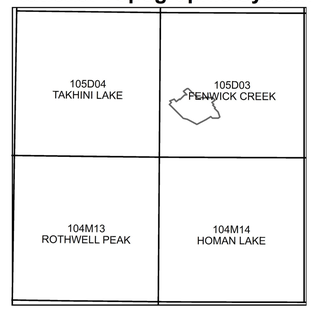
Scale 1:25000

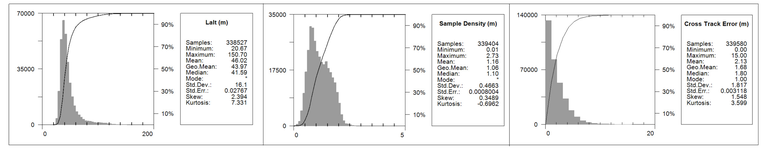
500 0 500 1000 1500

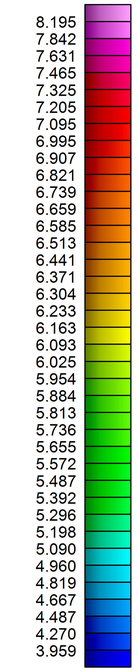
(meters)

WGS 84 / UTM zone 8N

National Topographic System







eTh/%K Ratio

MAP PROJECTION

Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE

Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE

National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

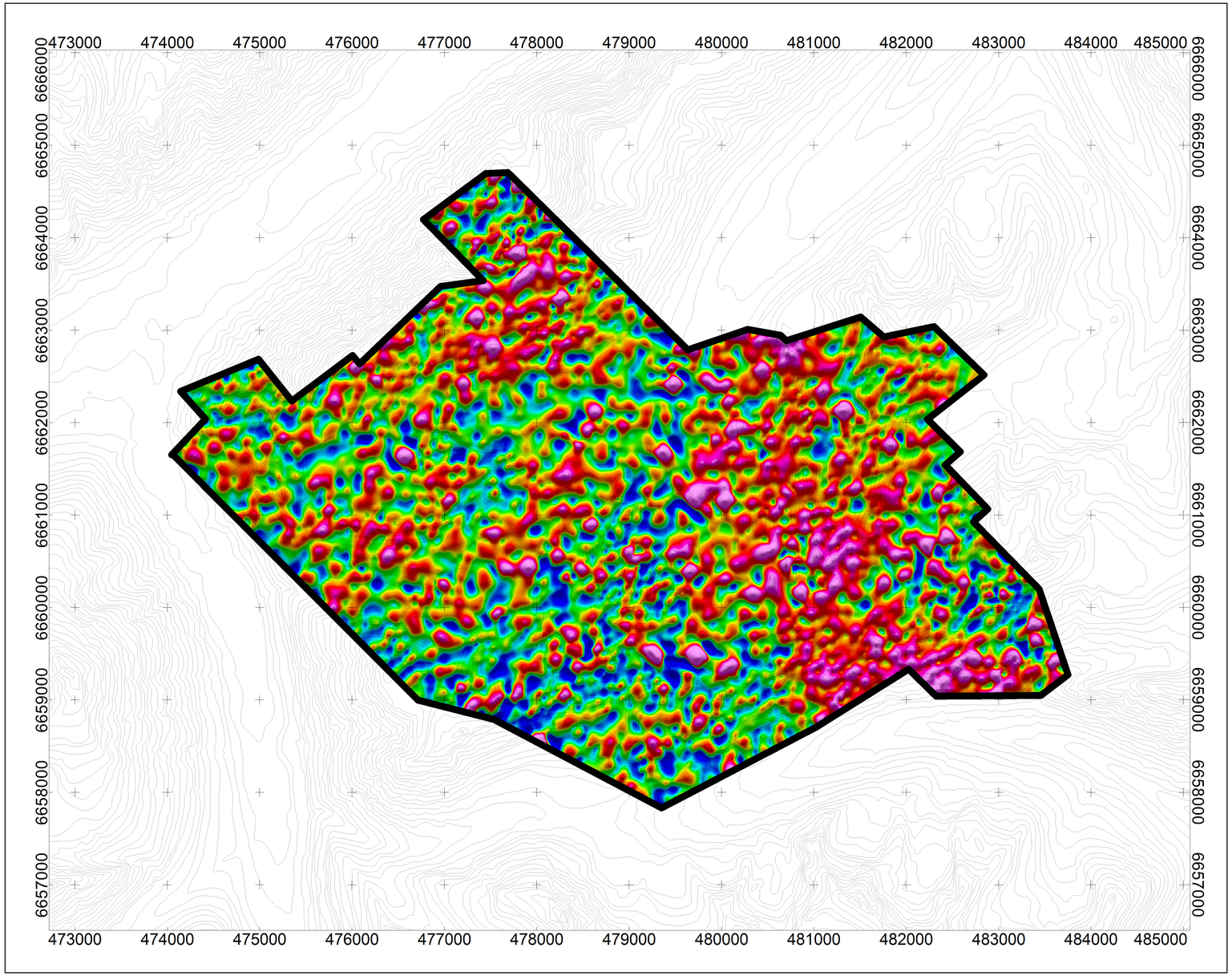
Radiometric Map

Thorium over Potassium Ratio

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 26
eTh/%K



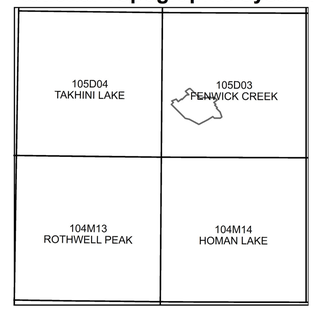
Scale 1:25000

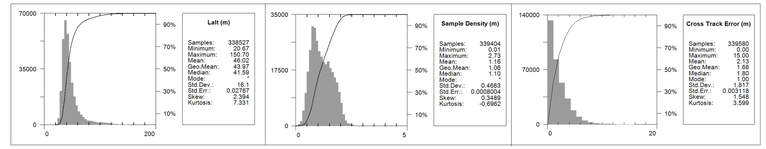
500 0 500 1000 1500

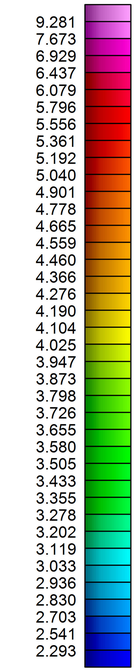
(meters)

WGS 84 / UTM zone 8N

National Topographic System







eTh/eU Ratio

MAP PROJECTION

Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)

Legend

Elevation Contours, 100 ft Intervals.....

Pike - Warden Survey Block Boundary.....

DATA REFERENCE

Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE

National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Pike-Warden Survey Block

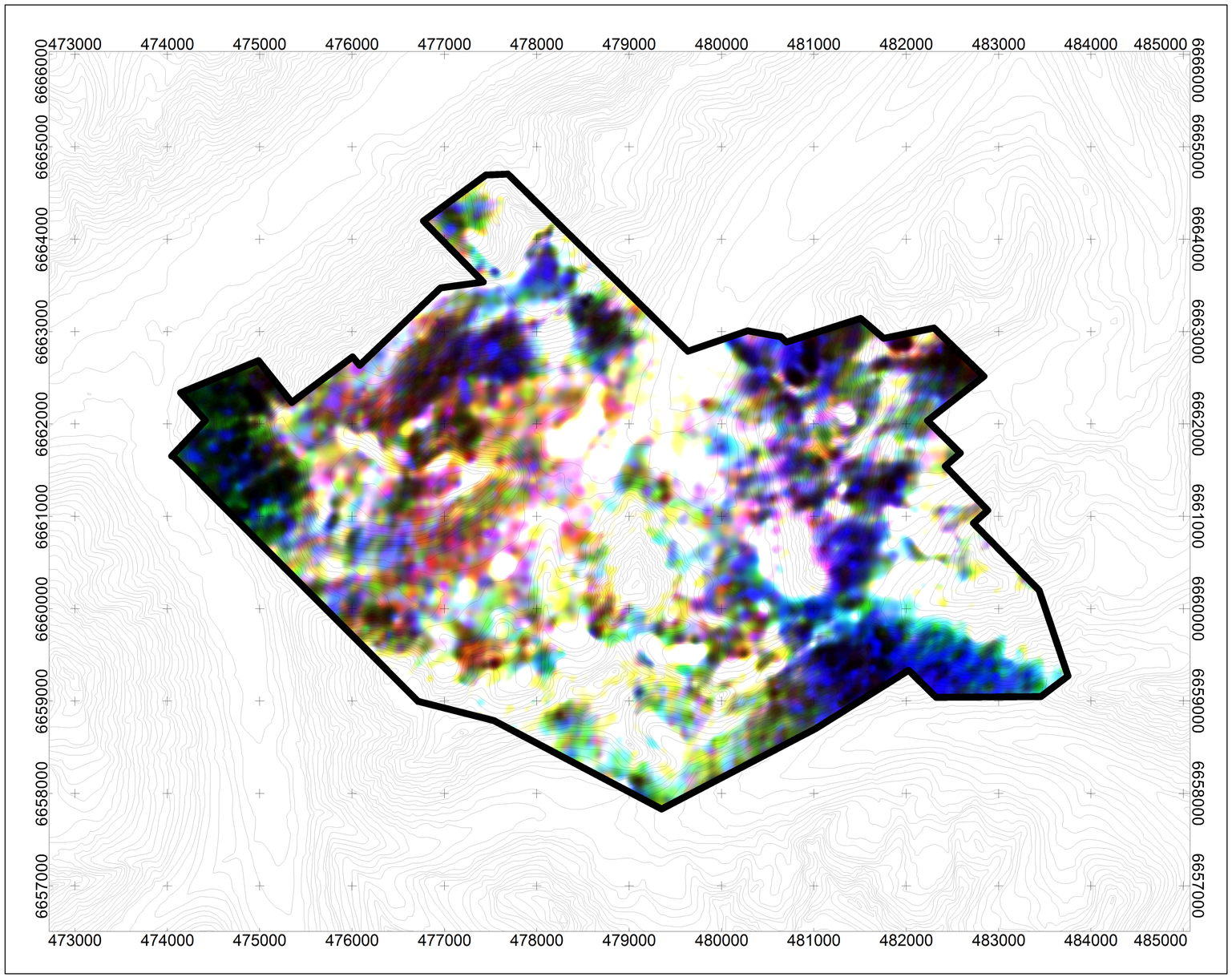
Radiometric Map

Thorium over Uranium Ratio

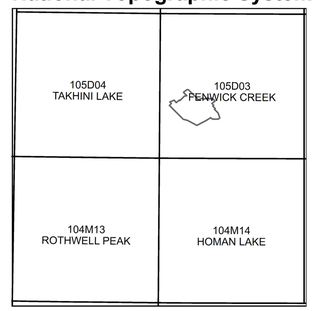
Precision GeoSurveys

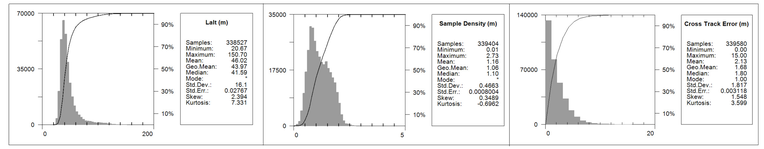
Job #21178
August 11, 2021

Plate 27
eTh/eU



National Topographic System





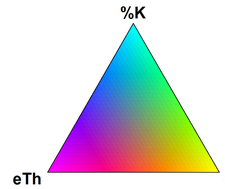
MAP PROJECTION
Projection: Universal Transverse Mercator Zone 8N
Datum: WGS 84
Local Datum Transform: World

PIKE-WARDEN SURVEY SPECIFICATIONS

Survey Dates:	July 8 and July 9, 2021
Survey Base:	Mt. Skukum camp, BC
Aircraft Type:	Airbus AS350 helicopter
Registration:	C-GSVY
Survey Technology:	Gradient magnetic, VLF-EM, and radiometric survey
Total Line km:	395 km
Mean Survey Height:	46.0 meters
Survey Line Spacing:	100 meters
Survey Line Direction:	135°/315°
Tie Line Spacing:	1000 meters
Tie Line Direction:	045°/225°

AIRBORNE SURVEY SYSTEM

Magnetometer Sensors:	2 x Scintrex CS-3 Cesium 1 x Geometrics G-822A Cesium
Configuration:	Triple gradient boom with 3 axis compensation
Sample Rate:	20 Hz
Sensitivity:	0.0006 nT √Hz rms
VLF-EM Receiver:	Herz Totem-2A
Sample Rate:	20 Hz
Transmitter Stations:	NML – LaMoure, ND 25.2 kHz NLK – Seattle, WA 24.8 kHz
Gamma Ray Spectrometer:	Pico Envirotec AGRS-5
Downward-Looking Crystals:	16.8 litres of NaI(Tl)
Upward-Looking Crystal:	4.2 litres of NaI(Tl)
Sample Rate:	1 Hz (Resampled to 20 Hz)



Legend

Elevation Contours, 100 ft Intervals.....
Pike - Warden Survey Block Boundary.....

DATA REFERENCE
Radiometric data have been corrected for effective height, lag, aircraft, cosmic, radon, stripping ratios, and attenuations, and then converted to apparent radioelement concentrations. Radiometric data are represented as a grid and drawn with a histogram-equalized colour shade; sun illumination inclination at 0° and declination at 000°.

TOPOGRAPHIC REFERENCE
National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.
URL <http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/ntdb_bndt/>[2007]

Scale 1:25000
500 0 500 1000 1500
(meters)
WGS 84 / UTM zone 8N

Pike-Warden Survey Block

Radiometric Map

Ternary Image

Precision GeoSurveys

Job #21178
August 11, 2021

Plate 28
TI