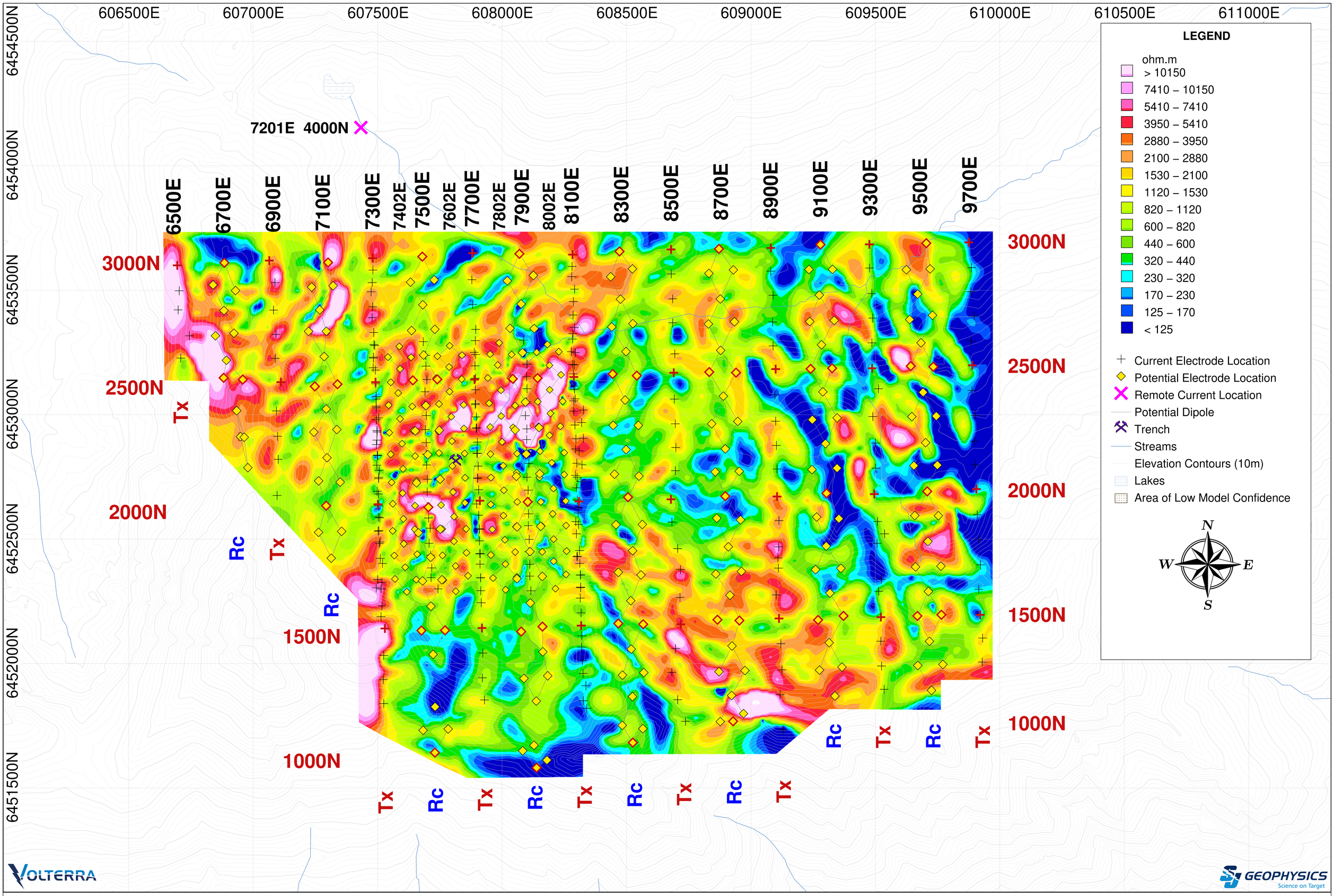


Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 25 m Below Topography

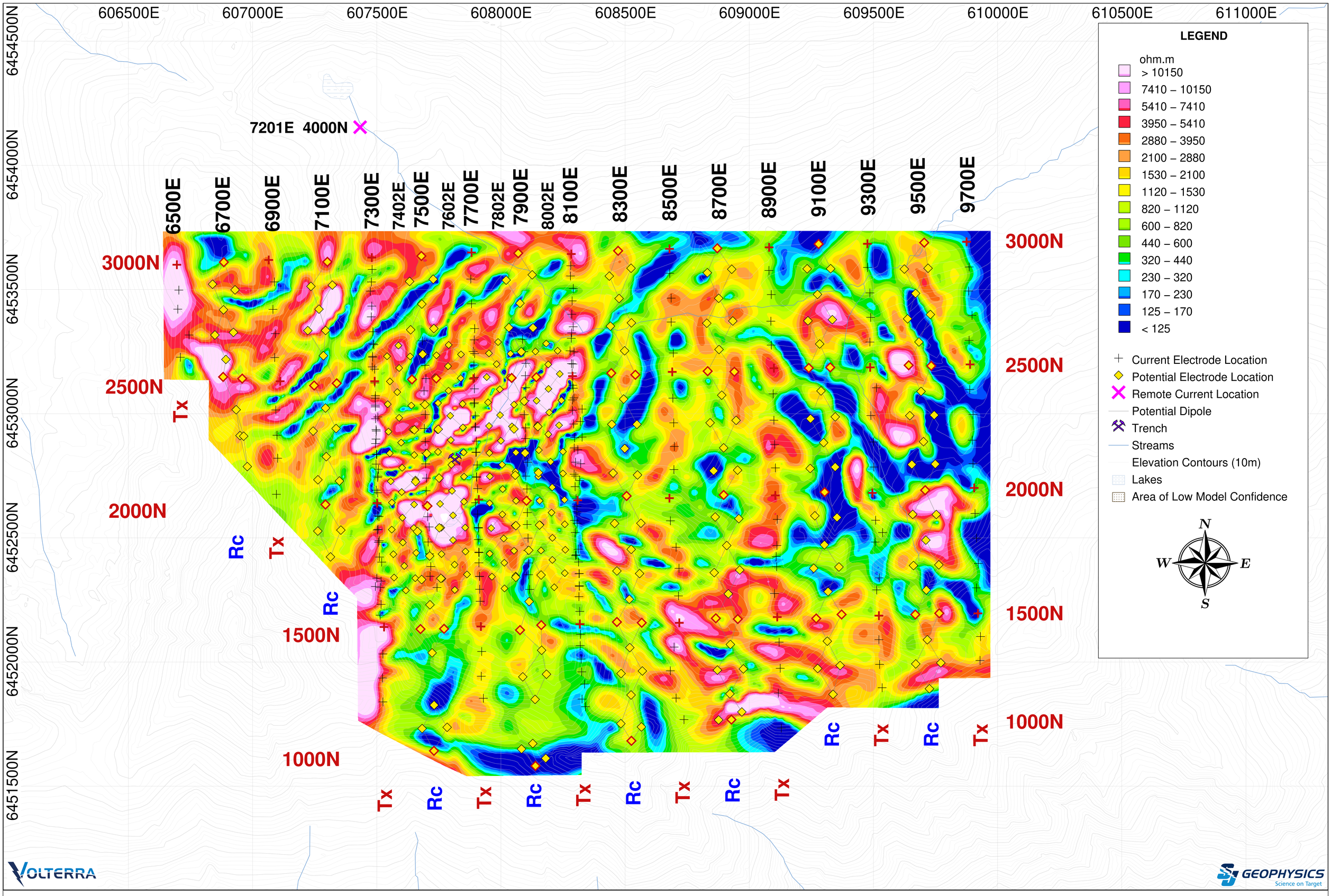
0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–1



Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 50 m Below Topography

0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–2

606500E 607000E 607500E 608000E 608500E 609000E 609500E 610000E 610500E 611000E

6454500N 6454000N 6453500N 6453000N 6452500N 6452000N 6451500N

7201E 4000N

6500E 6700E 6900E 7100E 7300E 7402E 7500E 7602E 7700E 7802E 7900E 8002E 8100E 8300E 8500E 8700E 8900E 9100E 9300E 9500E 9700E

3000N 2500N 2000N 1500N 1000N

Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx

LEGEND

ohm.m
- > 10150
- 7410 – 10150
- 5410 – 7410
- 3950 – 5410
- 2880 – 3950
- 2100 – 2880
- 1530 – 2100
- 1120 – 1530
- 820 – 1120
- 600 – 820
- 440 – 600
- 320 – 440
- 230 – 320
- 170 – 230
- 125 – 170
- < 125

- Current Electrode Location
- Potential Electrode Location
- Remote Current Location
- Potential Dipole
- Trench
- Streams
- Elevation Contours (10m)
- Lakes
- Area of Low Model Confidence

N W E S

VOLTERRA

GEOPHYSICS Science on Target

Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 75 m Below Topography

0 500 1000 1500 2000

meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–3

606500E 607000E 607500E 608000E 608500E 609000E 609500E 610000E 610500E 611000E

6454500N 6454000N 6453500N 6453000N 6452500N 6452000N 6451500N

7201E 4000N

6500E 6700E 6900E 7100E 7300E 7402E 7500E 7602E 7700E 7802E 7900E 8002E 8100E 8300E 8500E 8700E 8900E 9100E 9300E 9500E 9700E

3000N 2500N 2000N 1500N 1000N

Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx

LEGEND

ohm.m
- > 10150
- 7410 – 10150
- 5410 – 7410
- 3950 – 5410
- 2880 – 3950
- 2100 – 2880
- 1530 – 2100
- 1120 – 1530
- 820 – 1120
- 600 – 820
- 440 – 600
- 320 – 440
- 230 – 320
- 170 – 230
- 125 – 170
- < 125

- Current Electrode Location
- Potential Electrode Location
- Remote Current Location
- Potential Dipole
- Trench
- Streams
- Elevation Contours (10m)
- Lakes
- Area of Low Model Confidence

N W E S

VOLTERRA

GEOPHYSICS Science on Target

Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 100 m Below Topography

0 500 1000 1500 2000

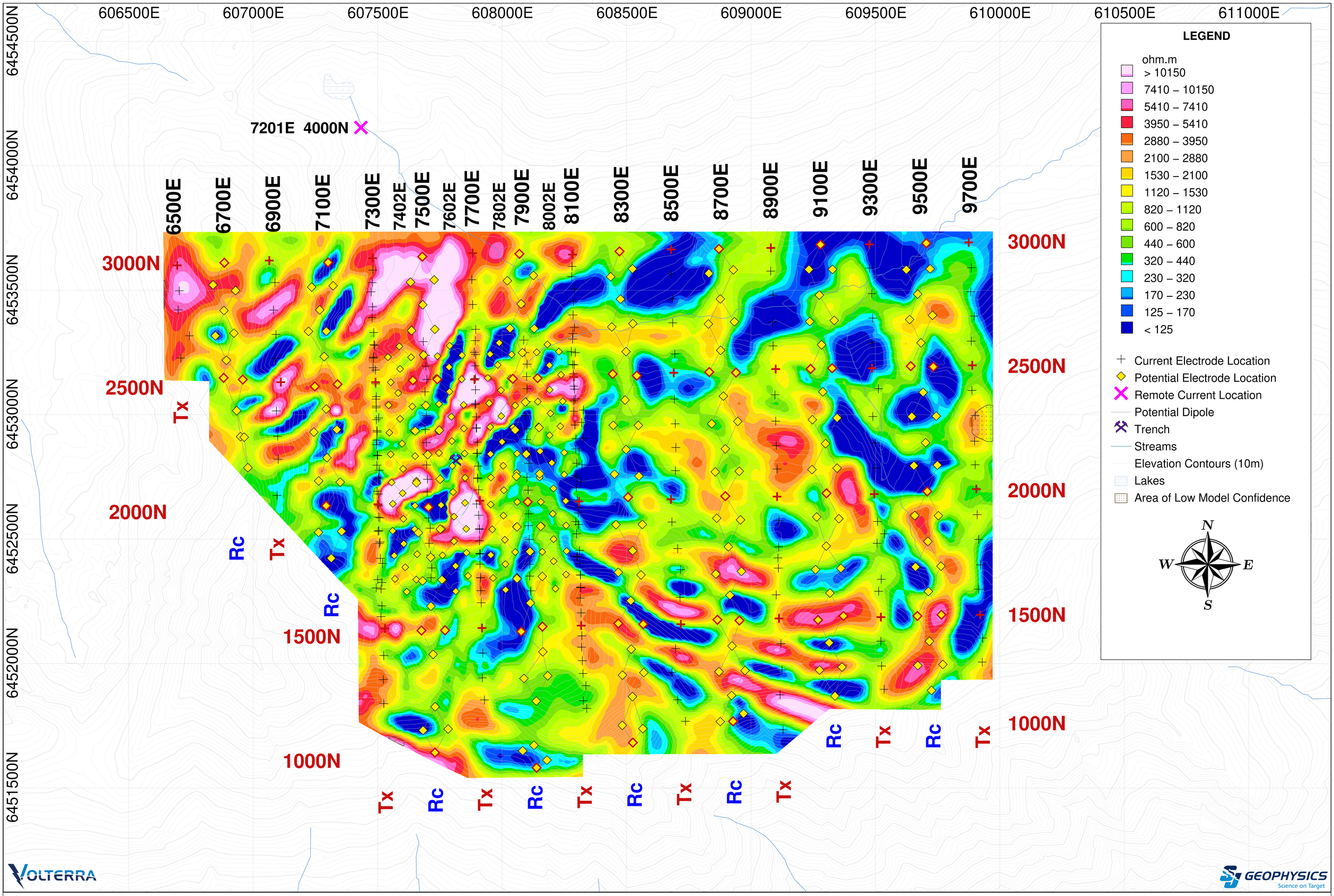
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–4



Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 125 m Below Topography

0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–5

606500E 607000E 607500E 608000E 608500E 609000E 609500E 610000E 610500E 611000E

6454500N 6454000N 6453500N 6453000N 6452500N 6452000N 6451500N

7201E 4000N

6500E 6700E 6900E 7100E 7300E 7402E 7500E 7602E 7700E 7802E 7900E 8002E 8100E 8300E 8500E 8700E 8900E 9100E 9300E 9500E 9700E

3000N 2500N 2000N 1500N 1000N

Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx

LEGEND

ohm.m
- > 10150
- 7410 – 10150
- 5410 – 7410
- 3950 – 5410
- 2880 – 3950
- 2100 – 2880
- 1530 – 2100
- 1120 – 1530
- 820 – 1120
- 600 – 820
- 440 – 600
- 320 – 440
- 230 – 320
- 170 – 230
- 125 – 170
- < 125

- Current Electrode Location
- Potential Electrode Location
- Remote Current Location
- Potential Dipole
- Trench
- Streams
- Elevation Contours (10m)
- Lakes
- Area of Low Model Confidence

N W E S

VOLTERRA

GEOPHYSICS Science on Target

Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 150 m Below Topography

0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Mapping By : SJ Geophysics Ltd. 11966–95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582–1100 www.sjgeophysics.com

606500E 607000E 607500E 608000E 608500E 609000E 609500E 610000E 610500E 611000E

6454500N 6454000N 6453500N 6453000N 6452500N 6452000N 6451500N

7201E 4000N

6500E 6700E 6900E 7100E 7300E 7402E 7500E 7602E 7700E 7802E 7900E 8002E 8100E 8300E 8500E 8700E 8900E 9100E 9300E 9500E 9700E

3000N 2500N 2000N 1500N 1000N

Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx

LEGEND

ohm.m
- > 10150
- 7410 – 10150
- 5410 – 7410
- 3950 – 5410
- 2880 – 3950
- 2100 – 2880
- 1530 – 2100
- 1120 – 1530
- 820 – 1120
- 600 – 820
- 440 – 600
- 320 – 440
- 230 – 320
- 170 – 230
- 125 – 170
- < 125

- Current Electrode Location
- Potential Electrode Location
- Remote Current Location
- Potential Dipole
- Trench
- Streams
- Elevation Contours (10m)
- Lakes
- Area of Low Model Confidence

N W E S

VOLTERRA

GEOPHYSICS Science on Target

Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 200 m Below Topography

0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Mapping By : SJ Geophysics Ltd. 11966–95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582–1100 www.sjgeophysics.com

606500E 607000E 607500E 608000E 608500E 609000E 609500E 610000E 610500E 611000E

6454500N 6454000N 6453500N 6453000N 6452500N 6452000N 6451500N

7201E 4000N

6500E 6700E 6900E 7100E 7300E 7402E 7500E 7602E 7700E 7802E 7900E 8002E 8100E 8300E 8500E 8700E 8900E 9100E 9300E 9500E 9700E

3000N 2500N 2000N 1500N 1000N

Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx

LEGEND

ohm.m
- > 10150
- 7410 – 10150
- 5410 – 7410
- 3950 – 5410
- 2880 – 3950
- 2100 – 2880
- 1530 – 2100
- 1120 – 1530
- 820 – 1120
- 600 – 820
- 440 – 600
- 320 – 440
- 230 – 320
- 170 – 230
- 125 – 170
- < 125

- Current Electrode Location
- Potential Electrode Location
- Remote Current Location
- Potential Dipole
- Trench
- Streams
- Elevation Contours (10m)
- Lakes
- Area of Low Model Confidence

N W E S

VOLTERRA

GEOPHYSICS Science on Target

Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 250 m Below Topography

0 500 1000 1500 2000

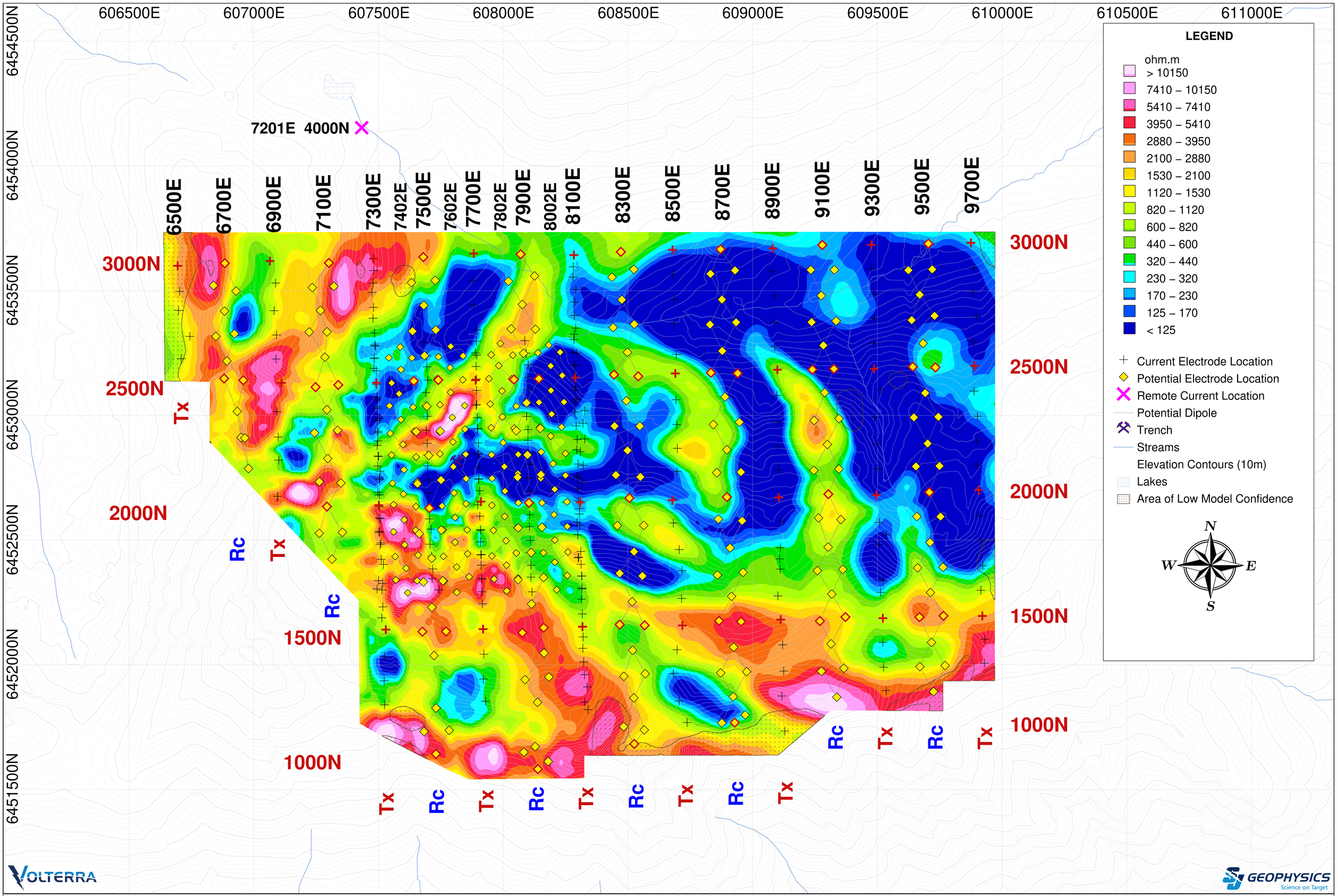
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–8



Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 300 m Below Topography

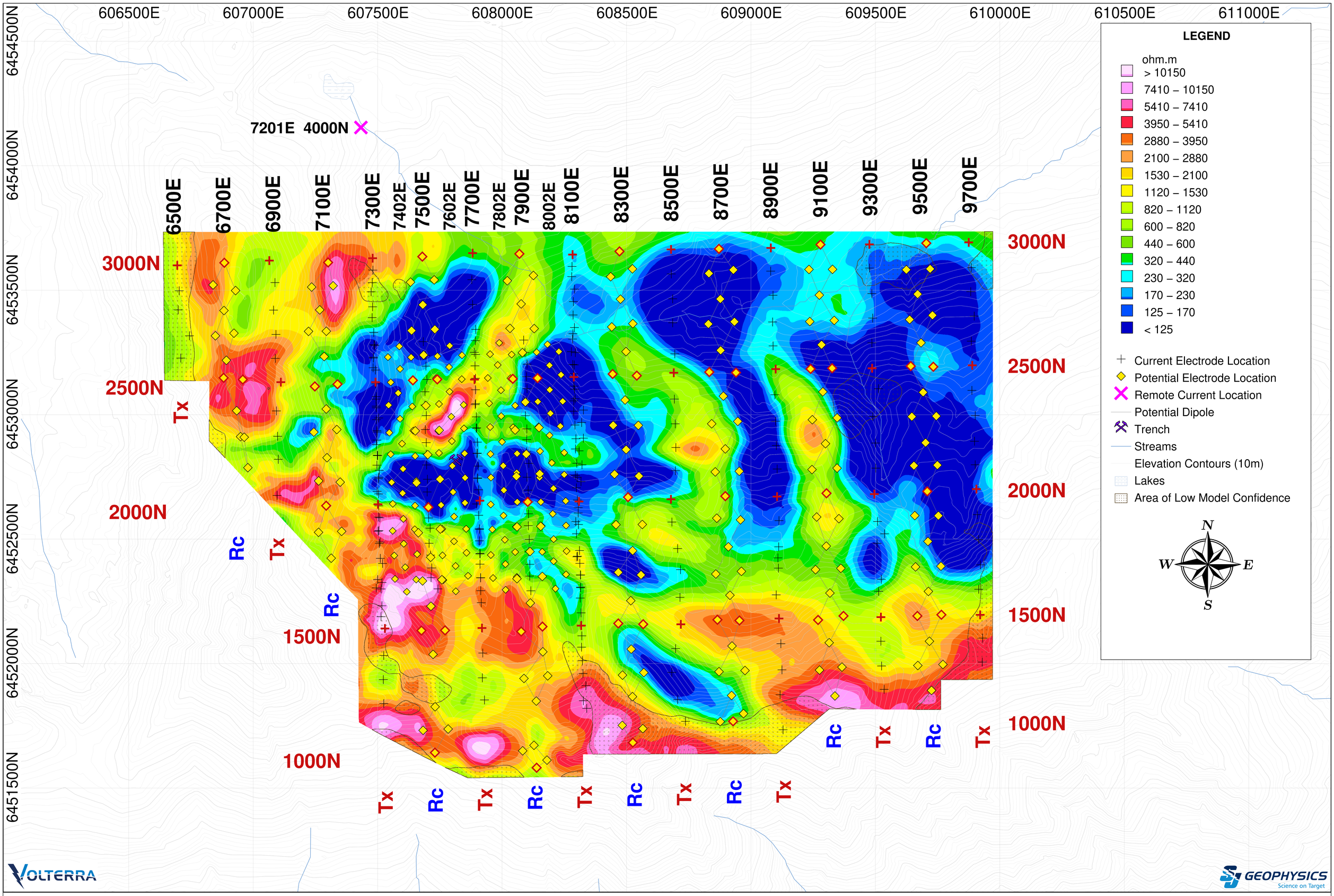
0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–9



Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 350 m Below Topography

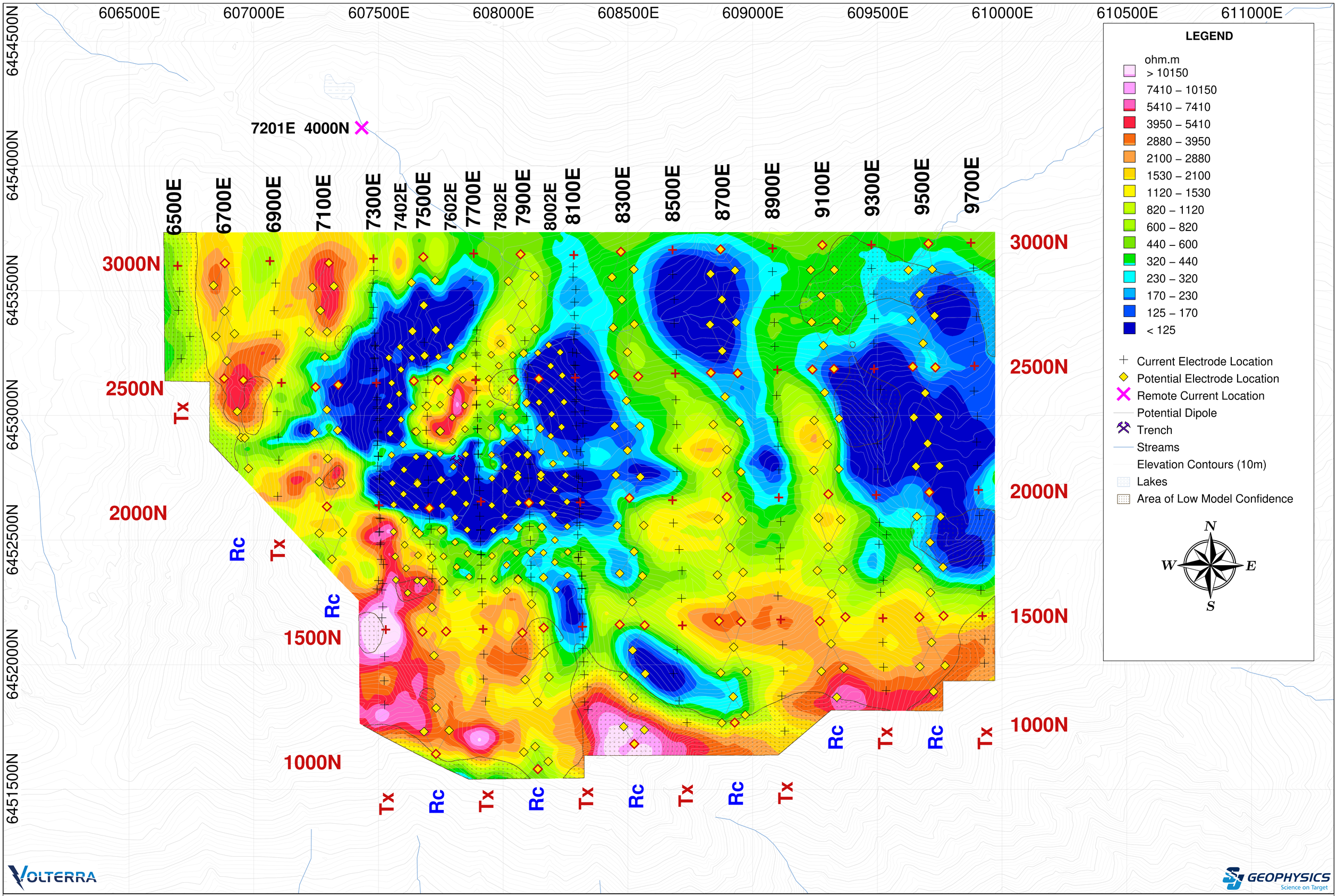
0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–10



Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 400 m Below Topography

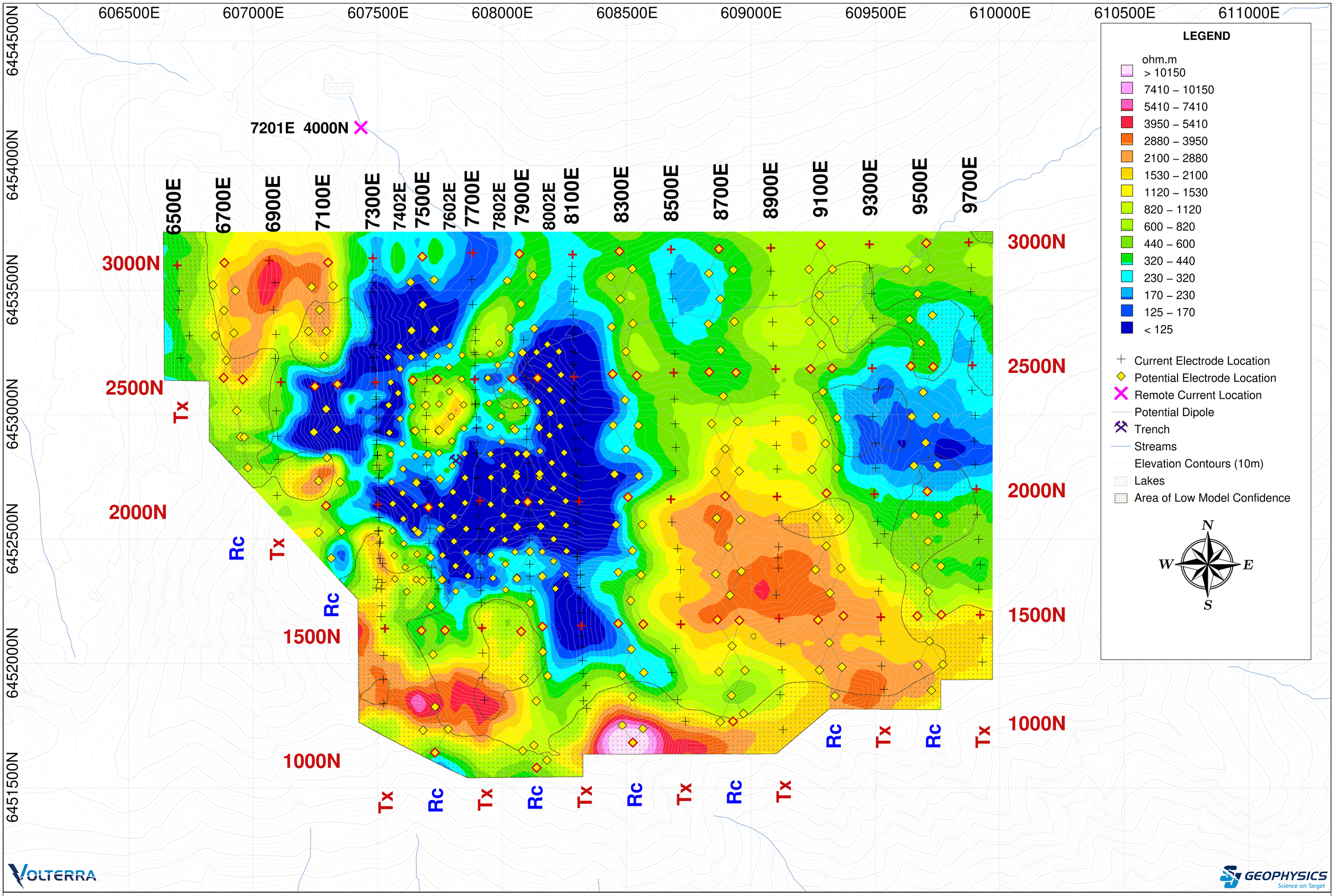
0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–11



Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 500 m Below Topography

0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–12

606500E 607000E 607500E 608000E 608500E 609000E 609500E 610000E 610500E 611000E

6454500N 6454000N 6453500N 6453000N 6452500N 6452000N 6451500N

7201E 4000N

6500E 6700E 6900E 7100E 7300E 7402E 7500E 7602E 7700E 7802E 7900E 8002E 8100E 8300E 8500E 8700E 8900E 9100E 9300E 9500E 9700E

3000N 2500N 2000N 1500N 1000N

Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx Rc Tx

LEGEND

ohm.m
- > 10150
- 7410 – 10150
- 5410 – 7410
- 3950 – 5410
- 2880 – 3950
- 2100 – 2880
- 1530 – 2100
- 1120 – 1530
- 820 – 1120
- 600 – 820
- 440 – 600
- 320 – 440
- 230 – 320
- 170 – 230
- 125 – 170
- < 125

- Current Electrode Location
- Potential Electrode Location
- Remote Current Location
- Potential Dipole
- Trench
- Streams
- Elevation Contours (10m)
- Lakes
- Area of Low Model Confidence

N W E S

VOLTERRA

GEOPHYSICS Science on Target

Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 600 m Below Topography

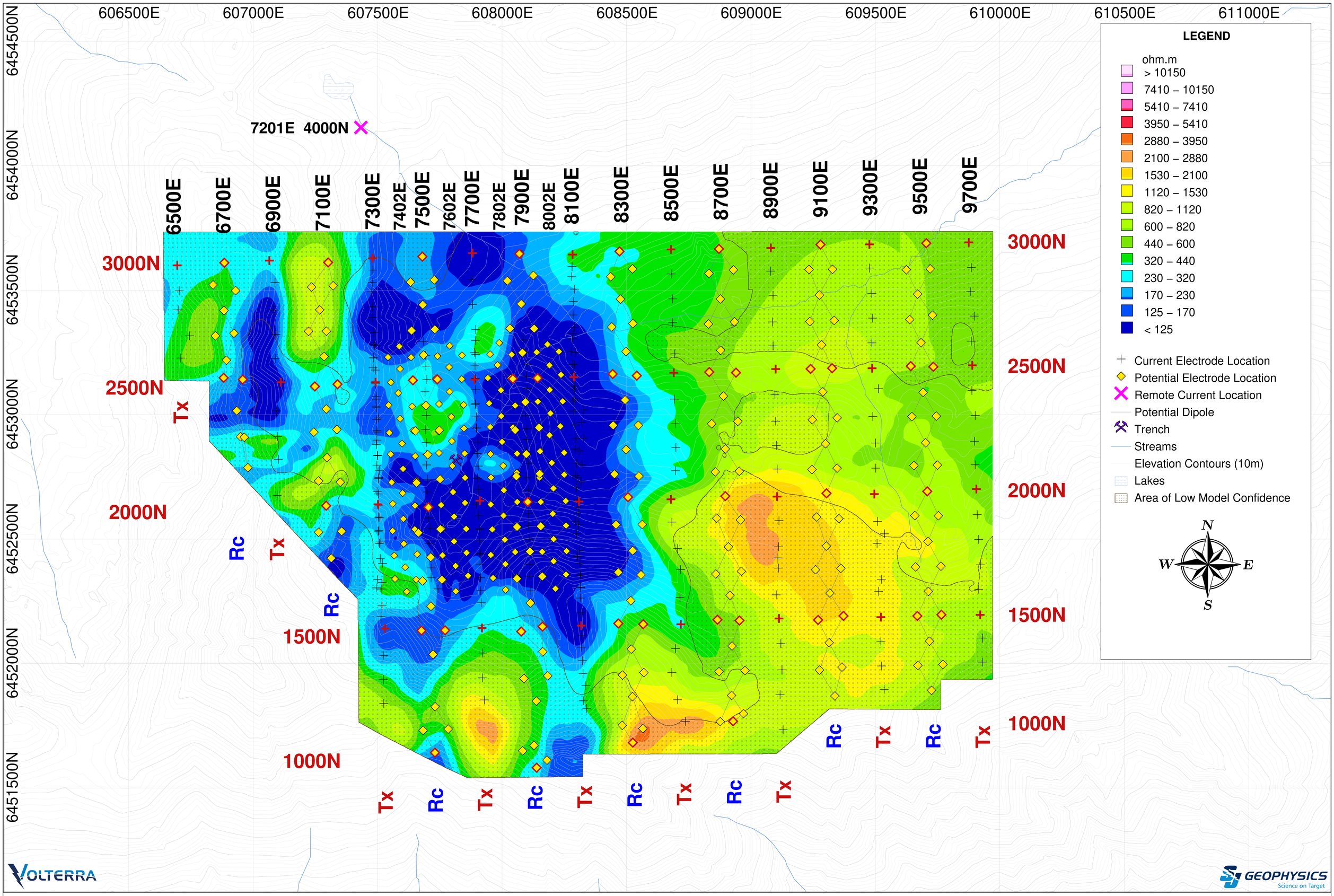
0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Mapping By : SJ Geophysics Ltd. 11966–95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582–1100 www.sjgeophysics.com



Project Information:
Survey by: SJ Geophysics Ltd.
Survey Type: Volterra–3DIP
Survey Date: July 25–Aug. 17, 2022

Instrumentation:
Transmitter: GDD TxII
Receiver: Volterra Acquisition Unit
Array Type: Distributed 3DIP

Inversion Parameters:
Inversion by: SJ Geophysics Ltd.
Inversion Software: UBC–GIF DCIP3D
Inversion Model: dcinv3d_UTM–r3i08.con

Colour Classification: Modified Logarithmic

Mapping Information:
Datum: NAD83
Projection: UTM Zone 9N
EPSG Code: 26909
Mapping Date: 22–Sep–2022

Volterra 3DIP

Interpreted Resistivity Inversion Model (ohm.m)

Merged (Main + Infill)

Depth: 700 m Below Topography

0 500 1000 1500 2000
meters

Bonanza Mining Corporation

Frog Property

Dease Lake, B.C., Canada

Plate R–14