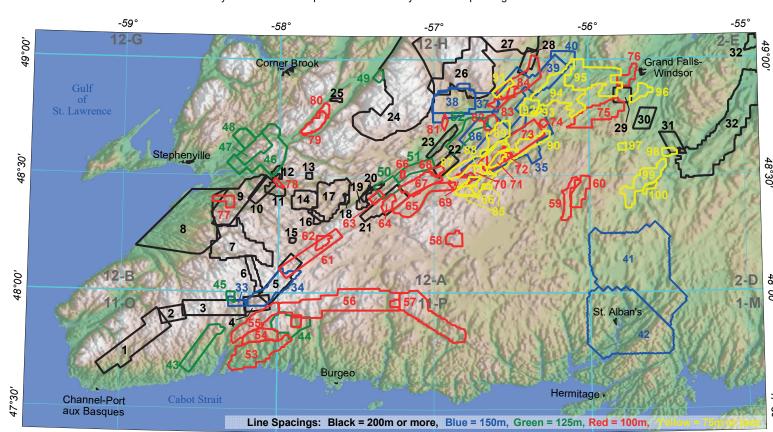


Descriptive Notes
Regional radiometric data used in this compilation were acquired from the Geological Survey of Canada (GSC) Geophysical Data Repository. Digital data from high-resolution surveys flown by mineral exploration companies and the Geological Survey of Newfoundland and Labrador were made available through the Geoscience Atlas, Newfoundland and Labrador Department of Industry, Energy and Technology. Results from all high-resolution surveys were levelled to each other using the Geosoft Grid Knit utility. Apparent mismatches between survey blocks are a result of differing line spacing, flight altitudes and equipment platforms. For more detailed information regarding this data presentation, please refer to the online open file documentation.

This publication is available for free download through GEOSCAN at https://geoscan.nrcan.gc.ca. Corresponding digital gridded data can be downloaded from the Geological Survey of Canada Geoscience Data Repository for Aeromagnetic Data at https://gdr.agg.nrcan.gc.ca. Digital data and further information regarding detailed Newfoundland surveys can be accessed or downloaded through GSNL's Geoscience Atlas, at https://gis.geosurv.gov.nl.ca/. The following index map and table provide locational and source information for the industry surveys that were merged in this project. Shaded lines in the table indicate surveys which collected radiometric data. Individual surveys on the index map can be identified by their corresponding colour and number in the table below.



ndex mber	Survey ID	Survey Area	Contractor	Client	Year	Line Spacing (m)	Mag Sensor Height (m)	Survey Type	Platform
2 3	DN09269	Cape Ray Blocks 1,2,3 Cape Ray Block 4 Cape Ray Block 5	Fugro Fugro Fugro	Cornerstone Capital Resources Inc. Cornerstone Capital Resources Inc. Cornerstone Capital Resources Inc.	2003 2003 2003	200 200 200	100 100 100	M M M	F
4 5	DN09272 DN09273	Cape Ray Block 6 Cape Ray Blocks 7,8,9	Fugro Fugro	Cornerstone Capital Resources Inc. Cornerstone Capital Resources Inc.	2003 2003	200 200	100 100	M M	F
7		Prospectors Pond Robinsons River	Aero Surveys Aero Surveys	New Island Resources Inc. New Island Resources Inc.	1997 1997	220 220	30 30	E-M E-M	F
9 10	DN13780	Stephenville / Flat Bay Stephenville / Steel Mountain Nita's Brook Property	AeroQuest AeroQuest AeroQuest	Vulcan Minerals Inc. Marathon PGM Corp. Benton Resources Coro.	2006 2008 2005	200 250 200	30 51 47	E-M E-M	F
11	DN16756	Puddle Pond - Barachois Brook Block E	Fugro	Buchans Minerals Corp.; Benton Resources Corp.; Buchans River Ltd.; Quest Inc.; R. Quinlan	2009	200	35	E-M	, ,
12	DN16755	Puddle Pond - Barachois Brook Block G	Fugro	Buchans Minerals Corp.; Benton Resources Corp.; Buchans River Ltd.; Quest Inc.; R. Quinlan	2009	200	35	E-M	ŀ
13	DN16753	Puddle Pond - Barachois Brook Block F	Fugro	Buchans Minerals Corp.; Benton Resources Corp.; Buchans River Ltd.; Quest Inc.; R. Quinlan	2009	200	35	E-M	ŀ
14	DN16751	Puddle Pond - Barachois Brook Block C	Fugro	Buchans Minerals Corp.; Benton Resources Corp.; Buchans River Ltd.; Quest Inc.; R. Quinlan	2009	200	35	E-M	ı
15	DN16757	Puddle Pond - Barachois Brook Block D	Fugro	Buchans Minerals Corp.; Benton Resources Corp.; Buchans River Ltd.; Quest Inc.; R. Quinlan	2009	200	35	E-M	ı
16	DN16519	Puddle Pond - Barachois Brook Block B	Fugro	Buchans Minerals Corp.; Benton Resources Corp.; Buchans River Ltd.; Quest Inc.; R. Quinlan	2009	200	35	E-M	ı
17 18	DN14324 DN16752	Puddle Pond / Long Range Puddle Pond - Barachois Brook	Geotech Fugro	Royal Roads Corp.; Benton Resources Corp. Buchans Minerals Corp.; Benton Resources Corp.;	2008	200 200	62 35	E-M E-M	
19	DN17484	Block A Lloyds Lake / MolyPeak & Horn-	Geotech	Buchans River Ltd.; Quest Inc.; R. Quinlan Puddle Pond Resources Inc.; North Range Resources	2011	200	69	E-M	
20	DN01003	Mesh Lloyds River	Aerodat	Noranda Mining & Exploration Inc.	1995	200	45	E-M-V	
21 22 23		Stanley Waters Harmsworth Steady Red Indian Lake / Healy Bay	Aerodat Aerodat AeroQuest	Noranda Mining & Exploration Inc. Noranda Mining & Exploration Inc. Messina Minerals Inc.	1995 1995 2007	200 200 200	45 45 51	E-M-V E-M-V E-M	
24 25	DN14044	Topsails Block 2 Block B, Glover Island	UTS Geophysics Fugro	Altius Resources Inc.; JNR Resources Inc. New Island Minerals Ltd.	2008 2000		50 40	M-R E-M	
26 27	DN15609	Topsails Block 3 Topsails Block 1	UTS Geophysics UTS Geophysics	Altius Resources Inc.; JNR Resources Inc. Altius Resources Inc.; JNR Resources Inc.	2008 2008	200	50 50	M-R M-R	
28 29	DN11109 DN08867	LJG Property Twilight	AeroQuest Goldak	Benton Resources Corp. Altius Resources Inc.	2005 2002	200 200	47 80	E-M M-V	i
30 31	DN08250	Paradise Lake Rolling Pond	Goldak Goldak	Altius Resources Inc. Altius Resources Inc.	2002 2002	200 200	80 80	M-V	
32	DN24569	Gander Lake South	CGG / Fugro	Palisade Resources; Krinor Resources; New Found Gold Corp.	2017	200	35	E-M	
33 34	DN17878 DN17860	Finger Pond West Finger Pond East Tally Pond & Duck Pond	Geotech Acredat	Marathon Gold Corp. Marathon Gold Corp.	2012	150 150	50 50	E-M E-M	
35 36	DN02032 DN08012	Tally Pond & Duck Pond Buchans Block C	Aerodat CGG Geoterrex- Dighem	Noranda Mining & Exploration Inc. Billiton Exploration Canada Ltd.	1988 1998	150 150	45 73	E-M-V E-M	
37	DN08011	Buchans Block B	CGG Geoterrex- Dighem	Billiton Exploration Canada Ltd.	1998	150	73	E-M	
38	GSC	Red Indian Line II - L	CGG Geoterrex- Dighem	BHP Billiton	1998	150	73	E-M	
39	DN08013	Buchans Block D	CGG Geoterrex- Dighem	Billiton Exploration Canada Ltd.	1998	150	73	E-M	
40	GSC	Red Indian Line II - I	CGG Geoterrex- Dighem	Billiton	1998	150	73	E-M	
41	DN09913	Twillick Brook	Sander Geophysics Ltd.	Geological Survey of Newfoundland and Labrador	2019	150	90	M-R-V	
42	DN09911	St. Alban's	Goldak Airborne Surveys	Geological Survey of Newfoundland and Labrador	2015	150	125	M-R	
43 44 45		La Poile Peter Snout Deep Brook	AeroQuest AeroQuest	UCore Uranium Inc. UCore Uranium Inc.	2007 2007	125 125	30 30	E-M-R E-M-R	
45 46 47	DN12513 DN12145 DN12128	Deep Brook Lost Pond Ext. 1 Lost Pond	AeroQuest AeroQuest AeroQuest	UCore Uranium Inc. UCore Uranium Inc. Hot Rock Uranium Corp.; UCore Uranium Inc.	2007 2006 2006	125 125 125	30 30 30	E-M-R E-M-R	
47 48 49	DN12510	Lost Pond Ext. 2 Grommit Lake	AeroQuest AeroQuest AeroQuest	UCore Uranium Inc. UCore Uranium Inc.	2006 2006 2007	125 125 125	30 30	E-M-R E-M-R	
50 51	N00192 N00197,8	Glitter Pond Tulks Hill	Dighem Aerodat	BP Resources Canada Ltd.; Noranda Exploration BP Resources Canada Ltd.; Noranda Exploration	1990 1990	125 125	48 48	E-M-V	-
52	N00195,6	Bobby's Pond West	Aerodat	BP Resources Canada Ltd.; Noranda Exploration Quest Inc.; Quinlan Prospecting; Stares Prospecting;	1990	125	48	E-M-V	Ī
53 54	DN14551 DN12359	Hope Brook Strickland	AeroQuest AeroQuest	Benton Resources Corp. Commander Resources Ltd.	2008	100	40 30	M E-M-R	
55		Hermitage West	AeroQuest	Pathfinder Resources Ltd.; Commander Resources Ltd.	2006	100	30	E-M-R	ŀ
56 57		Hermitage Central Hermitage East	AeroQuest AeroQuest	Commander Resources Ltd. Pathfinder Resources Ltd.; Commander Resources	2006 2006	100	30 30	E-M-R E-M-R	ŀ
58 59	DN11296	Granite Lake Project Great Burnt Lake Block B & A	AeroQuest AeroQuest	Ltd. Playfair Mining Ltd. Celtic Minerals Ltd.	2006	100	30 30	E-M-R E-M	H
59 60 61		Pipestone Pond Staghorn Lake	AeroQuest Sial AeroQuest	Celtic Minerals Ltd. Celtic Minerals Ltd. Metals Creek Resources Corp.	1996 2009	100 100 100	45 50	E-M-V M	
62	DN24339	Victoria Lake / Victoria River	Scott Hogg & Associates	Antler Gold Inc.; Altius Resources Inc	2009	100	35	M	'
63 64	DN11925	Boomerang Victoria Lake	AeroQuest	Messina Minerals Inc. Crosshair Exploration and Mining Corp.; Paragon	2006	100	30 59	E-M-R	ŀ
64 65	DN18453 DN10943	Victoria Lake Valentine Lake	AeroQuest Geophysics GPR	Minerals Corp. Richmont Mines Inc.; Mountain Lake Resources Inc.	2011	100	59 30	E-M M-R-V	
66	DN10212	Tulks Hill	International AeroQuest	Prominex Resources Corp.	2006	100	51	M-E	ı
67 68		Long Lake Costigan Lake South Tells Pand Block 1	AeroQuest AeroQuest	Messina Minerals Inc. Messina Minerals Inc.	2006 2007	100 100	47 51	E-M E-M	
69 70 71	DN08183	South Tally Pond Block 1 South Tally Pond South Tally Pond Block 2	AeroQuest AeroQuest	Paragon Minerals Corp. Altius Resources Inc.; Thundermin Ltd. Paragon Minerals Corp.	2011 2004 2011	100 100	59 65 59	E-M E-M E-M	H
71 72 73	DN13583 DN10541 DN10044	Tally Pond Block 2 Tally Pond Duck Pond	AeroQuest Geotech Geotech	Paragon Minerals Corp. Buchans River Ltd.; Royal Roads Corp. Teck Limited	2011 2008 2008	100 100 100	63 62	M-E M-E	
74	DN11681	Burnt Pond	Geotech Scott Hogg &	Buchans River Ltd.; Royal Roads Corp.	2008	100	63	E-M	
75 76		Grand Falls / Crystal Lake Grand Falls - Windsor	Associates Aero Surveys	Antler Gold Inc.; Altius Resources Inc. Copper Hill Resources Inc.; Pearl Resources Inc.	2017 1997	100	35 30	M E-M	
77	DN13780	Stephenville / Steel Mountain	AeroQuest	Marathon PGM Corp. Four Corners Mining Corp.; Triple Nine Resources	2008	100	51	E-M	
78 79	DN17369 DN12245	Southwest Brook / Four Corners Glover Island	Fugro Geotech	Ltd. Crew Gold Corp.	2010 2008	100	35 68	E-M E-M	
80 81	DN07584 DN12697	Block A, Glover Island Red Indian Lake / Skidder Brook	Fugro AeroQuest	New Island Minerals Ltd. Messina Minerals Inc.	2000 2007	100 100	40 51	E-M E-M	
82 83	DN08787 DN20398	Hungry Hill Buchans Junction	Sial CGG / Fugro	Celtic Minerals Ltd. Xstrata Zinc Canada; Canstar Resources Inc.	1996 2012	100 100	45 35	E-M-V E-M	
84	DN09904	Little Joe Glodes	Fugro	Geological Survey of Canada; Geological Survey of Newfoundland & Labrador	2007	100	40	М	-
85		Wilding Lake East and West	Scott Hogg & Associates	Antler Gold Inc.; Altius Resources Inc.	2017	75 75	35	M	ı
86 87 88	DN09336 DN10465 DN18888	Lake Douglas Harpoon Lake & Barren Lake South Tally Pond / Lemarchant	AeroQuest AeroQuest	Paragon Minerals Corp. Paragon Minerals Corp. Paragon Minerals Corp.	2007 2007 2011	75 75 75	51 51 59	E-M M-E E-M	
89	DN03088	South Tally Pond / Lemarchant South Golden Promise 2	AeroQuest Fugro Scott Hogg &	Paragon Minerals Corp. Rubicon Minerals Corp.	2003	75	30	E-M	ı
90 91		Noel Paul's Brook Buchans Junction	Associates Geotech	Antler Gold Inc.; Altius Resources Inc. Eagleridge International Ltd.; Vinland Resources	2017 2012	75 50	35 49	M E-M	
92 93	DN03087 DN08947	South Golden Promise 1 Licence 8947M	Fugro Fugro	Rubicon Minerals Corp. Rubicon Minerals Corp.	2003 2003	75 75	30 30	E-M E-M	i
94 95	DN03080 DN03079	Golden Promise West Golden Promise East	Fugro Fugro	Rubicon Minerals Corp. Rubicon Minerals Corp. Rubicon Minerals Corp.	2003 2003	75 75	30 30	E-M E-M	ŀ
96 97	DN09215	Golden Star SW Rattling Brook	Fugro Fugro	Linear Gold Corp. Rubicon Minerals Corp.	2003 2002	75 50	30 30	E-M M	ŀ
98 99	DN08292 DN09216	Beaver - Miguels Reid	Fugro Fugro	Rubicon Minerals Corp. Linear Gold Corp.	2003 2003	50 75	30 30	M E-M	H
100	DN11926	Huxter Lane	AeroQuest	Paragon Minerals Corp.	2006	75	30	E-M	

CHARACTERIZATION OF A HIGHLY PROSPECTIVE FAULT SYSTEM
WITH AIRBORNE GEOPHYSICS DATA
WEST-CENTRAL NEWFOUNDLAND



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