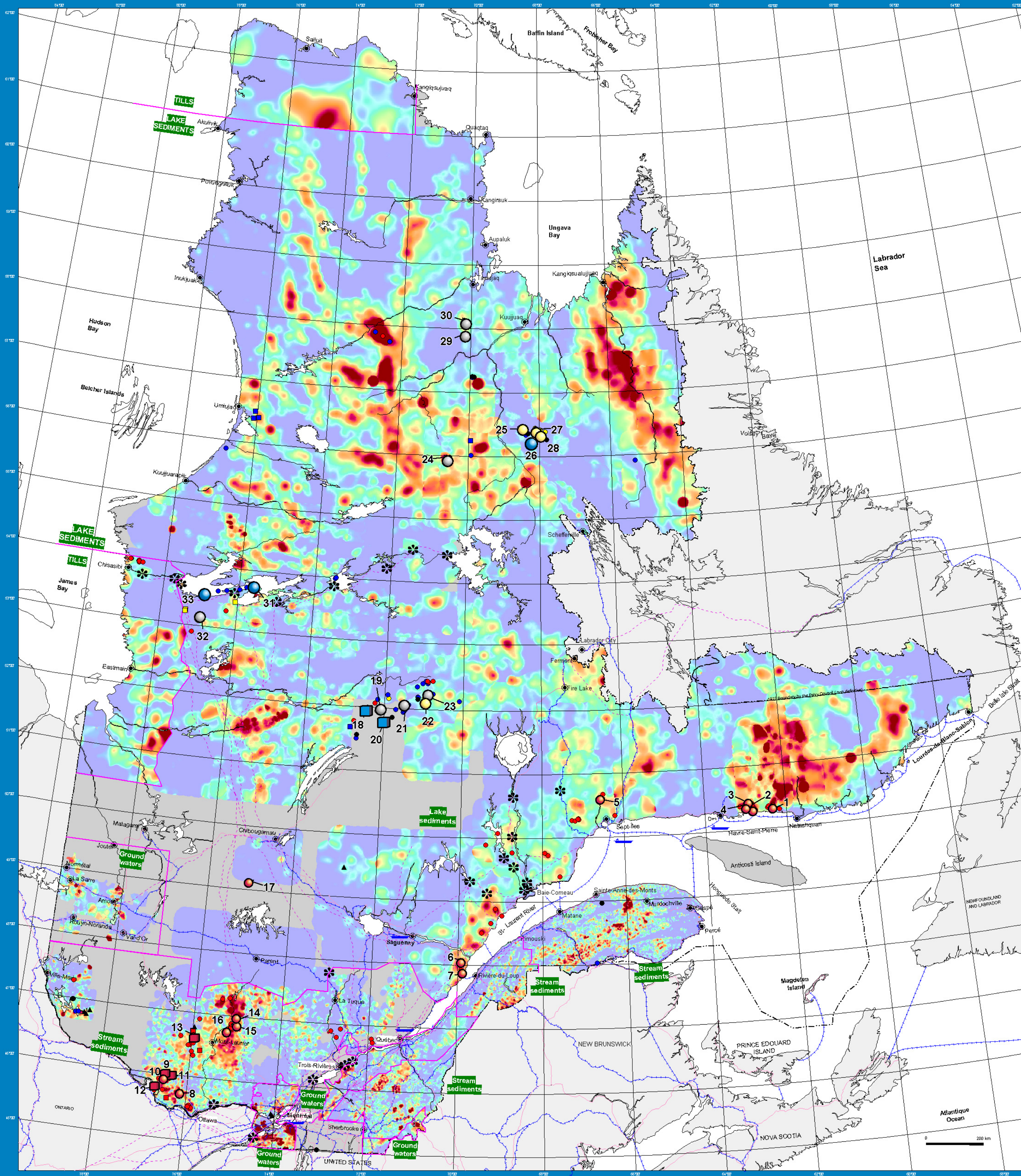
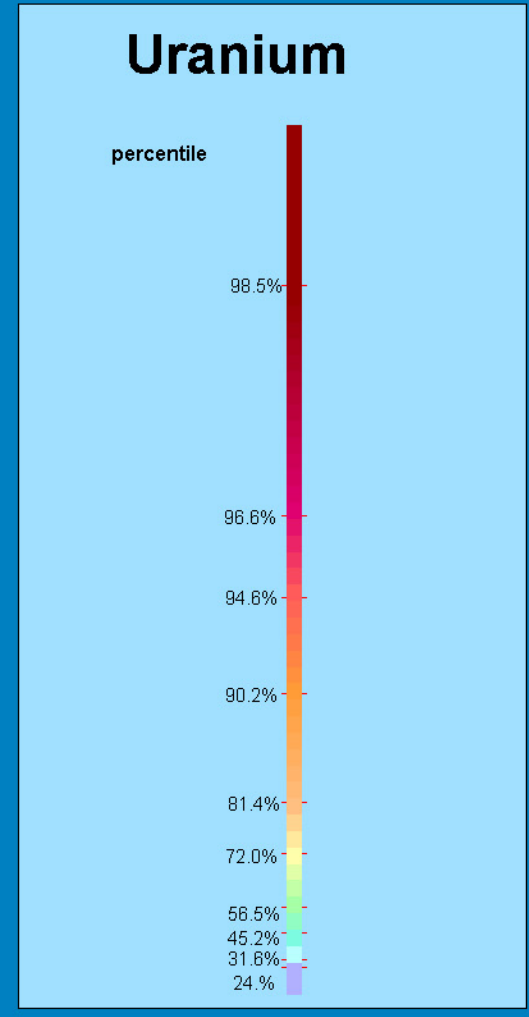


Uranium in secondary environment geochemistry and mineralizations



Legend

- Uranium bearing veins
- Granitic pegmatites
- U (Au±Cu) veins associated with albitization
- U in sedimentary rocks
- U associated with a discordance
- U in skarns associated with pegmatites
- U-Au in paleoplacers
- ▲ U in carbonatite and alkaline rocks
- Power grid
- Railroad and boat route
- 300+ megawatt power stations
- Road
- Harbour
- Limit of different geochemical survey types



Uranium ore deposits with known grades and tonnages

SYMBOL #	NAME	NTS	ZONE	EASTING	NORTHING	GRADE / RESOURCES	ORE TYPE	REF.
Grenville Province								
1	Lacana (Doran)	12L/08	20	548009	5572265	10.89 Mt at 0.025% U ₃ O ₈	granitic pegmatite	DV 85-08
2	Lac Turgeon (East zone)	12L/07	20	507478	5580378	0.01% U ₃ O ₈ (East zone) 0.061% U ₃ O ₈ (Central zone)	granitic pegmatite	ME File
3	Lac Turgeon	12L/07	20	509152	5583738	0.037% U ₃ O ₈	granitic pegmatite	ME File
4	Grandroy-Uranium	12L/07	20	511332	5583565	0.225% U ₃ O ₈	granitic pegmatite	ME File
5	Lac Burma-Sud	22J/10	19	675446	5607576	10 to 2300 ppm U ₃ O ₈ and 10 to 750 ppm Th O ₂	granitic pegmatite	ME File
6	Lac Fafard	22C/04	19	433517	5324702	93000 t at 467 ppm U ₃ O ₈	granitic pegmatite	ME File
7	St-Simeon Uranium	21N/13	19	436590	5302952	0.16% U ₃ O ₈ 0.11% to 0.25% rare earths	granitic pegmatite	ME File
8	Kert	31F/09	18	410597	5064544	2200 t at 0.17% U ₃ O ₈ and 1% Th O ₂ 10.5% U ₃ O ₈ and 1.45% Th O ₂ (chosen sample)	granitic pegmatite	ME File
9	Zone Matte	31F/15	18	380627	5091624	181000 t at 0.078% U ₃ O ₈ 0.69% Th O ₂ , 15% fluorite, and 5% apatite	skarn ass. to pegmatites	DV 85-08
10	Zone du Camp (Yates)	31F/15	18	379626	5091024	167000 t at 0.056% U ₃ O ₈ and 0.15% Th O ₂	skarn ass. to pegmatites	DV 85-08
11	Pool Mining	31F/15	18	378126	5087724	700 to 800 ppm U in chosen sample	skarn ass. to pegmatites	ME File
12	Calumet Contact Uranium No.2	31F/15	18	363997	5070734	0.54% U ₃ O ₈ and 3% ThO ₂ over 0.3 m	skarn ass. to pegmatites	DV 85-08 GM 03039
13	Capri-2	31J/12	18	429427	5165099	907000 t between 0.025% and 0.05% U ₃ O ₈	skarn ass. to pegmatites	DV 85-08 GM 25829
14	Allied (zones 1, 2 and 3)	31J/14	18	494228	5196524	zone 1: 7.5 Mt. at 0.021% U ₃ O ₈ zone 2: 2.3 Mt. at 0.019% U ₃ O ₈ zone 3: 2.1 Mt. at 0.014% U ₃ O ₈	granitic pegmatite	DV 85-08 GM 58948
15	Tom Dick North zone-1	31J/14	18	488778	5191624	1.39 Mt at 0.037% U ₃ O ₈	granitic pegmatite	DV 85-08
16	Lac Hanson	31J/14	18	483528	5182374	544000 t at 0.075% U ₃ O ₈	granitic pegmatite	DV 85-08
17	Lac Yvonne (#1)	32G/02	18	500786	5441915	0.245% over 1.22 m	granitic pegmatite	GM 3435
Otish Mountains (Paleoproterozoic sedimentary basin)								
18	Lac Beaver	32P/16	18	680047	5763027	2.42% U ₃ O ₈ , 0.14% V and 3.90% Zn	ass. to unconformity	GM 32768
19	A.A. Matoush	32P/16	18	699255	5760804	0.9% U ₃ O ₈ over 16 m including a 0.5m at 20.4%	in sedimentary rocks	GM 40357 GM 40864
20	Rivière Camie	22M/13	19	294345	5741376	0.52% U ₃ O ₈ over 7.5 m	ass. to unconformity	GM 26336
21	Indice G	23D/03	19	331424	5768533	18900 ppm U in 5 blocs from the A-44 zone		GM 40241
22	Indice L (anomalie 3A-2)	23D/02	19	363674	5783387	0.5% U over 3 m 1843 t of U metal	Au-Cu-U ass. albitization	GM 40239
23	Lac du castor	23D/02	19	367895	5786702	0.15% U over 4.5 m including 0.33% U over 1.0 m	in sedimentary rocks	ME File
Sakami Formation (Paleoproterozoic sedimentary basin)								
24	Lac Gayot (Fearless One)	23M/15	19	399395	6204278	50 Mt at 0.1% U ₃ O ₈ or 10 to 15 Mt at 0.25% U ₃ O ₈	in sedimentary rocks	ME File
New Quebec Orogen								
25	Ferne Nord	24C/07	19	527805	6255778	110 to 13900 ppm U	Au-Cu-U ass. albitization	GM 39497
26	Otel	24C/08	19	549196	6234929	0.1% over 1m	vein type	
27	Eagle	24C/08	19	555136	6254778	0.017% U ₃ O ₈ over 2.2 m	Au-Cu-U ass. albitization	GM 33647
28	Kish	24C/08	19	555646	6254028	1189 ppm U ₃ O ₈	Au-Cu-U ass. albitization	GM 36093
29	Adelaide Ungava	24E/16	19	429100	6420080	0.22% U ₃ O ₈ over 2 m	in sedimentary rocks	MM 2004-01
30	Chioak	24L/01	19	429995	6443730	0.1% U ₃ O ₈ over 4.8 m	in sedimentary rocks	MM 2004-01
Superior Province								
31	Ganiq	33G/13	18	457440	5959583	0.77% U, 0.52% Cu over 0.85 m	vein type	GM 34122
32	Apple	33F/02	18	372465	5894184	0.044% U over 15.5 m 9 Mt at 0.05% U ₃ O ₈	U in conglomerates	GM 29772
33	Maro	33F/10	18	371518	5934733	17.36% U ₃ O ₈ and 610 ppm U over 17 m	vein type	GM 50022

Prepared by: Beaumont, M., Perreault, S., Cuellet, S., February 2006