Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

Geological Survey of Canada
Commission géologique du Canada

ALTERATION

OCCURRENCE	POTASSIC	PHYLLIC	PROPYLITIC	HORNFELS	BLEACHING	CHLORITIZATION	SERICITIZATION	SILICIFICATION	CARBONATIZATION	EPIDOTIZATION
PORPHYRY COPPER										
1. CONNELL MOUNTAIN		X		X	X			X	X	
2. SOUTHEAST CONNELL MOUNTAIN		?			X			X		
3. CONNELL BROOK		X			X			X		
4. MONTEITH FARM		X			X			X		
5. SMART FARM		X			X			X		
6. UPPER NORTHAMPTON Cu		X			X					
7. KILMARNOCK SETTLEMENT										
VEIN TYPE and/or PORPHYRY AFFILIATE - COPPER										
8. BEDELL FARM								X		
9. BULLS CREEK No. 1					X	X	X	X	X	
10. BULLS CREEK No. 2		X	X		X			X		
11. BULLS CREEK No. 3								X	X	
12. COBBLER - SEXTON			X	X	X			X	X	
13. DUGAN ROAD EAST				X		X	X		X	
14. DUGAN ROAD WEST				X						
15. INTERCHANGE COPPER				X		X	X	X		X
16. SILVERMAQUE			X			X		X		X
FRACTURE FILLING - COPPER										
17. HILLMAN COPPER								X		
18. LOWER NORTHAMPTON COPPER							X	X	X	
19. RICEVILLE						X		X		
20. BENTON PYRITE			X					X		
21. LILLY BROOK Cu-Mo						X	X	X	X	
22. LILLY BROOK COPPER										
23. WOODSTOCK Cu-Pb										
24. WETMORE								X		
VEIN - LEAD										
25. BRITTON MINE						X		X	X	
26. WRIGHT BROOK						X		X	X	
27. DOMINION No. 1					X	X		X	X	
28. FRASER & BRIGGS Pb-Zn-Cu										
29. TOMPKINS PROSPECT								X		
30. LILLY BROOK LEAD					X			X	X	
31. GRAFTON PYRITE						X	X	X	X	
VEIN - GOLD										
32. UPPER NORTHAMPTON GOLD			X					X		
33. RIVER GOLD			X					X		
34. OAK MOUNTAIN (Au) Sb								X		
VEIN - BARITE										
35. SOUTH NEWBRIDGE BARITE						X				
36. UPPER NORTHAMPTON BARITE			X	X	X	X		X	X	
IRON - MANGANESE										
37. WICKHAM								X		
38. OAK MOUNTAIN Fe-Mn								X		
39. PEABODY FARM IRON										

MINERALIZATION

OCCURRENCE	GOLD	PYRITE	CHALCOPYRITE	GALENA	SPHALERITE	PYRRHOTITE	COVELLITE	MAGNETITE	GOETHITE	HEMATITE	BORNITE	CHALCOCITE	MALACHITE	AZURITE	MOLYBDENITE	SCHEELITE	CUPRITE	CUBANITE	ARSENOPYRITE	CERRUSITE	TETRAHEDRITE	BARITE	Mn-oxides
PORPHYRY COPPER																							
1. CONNELL MOUNTAIN		X	X			X	X	X	X	X	X	X	X	X	X								
2. SOUTHEAST CONNELL MOUNTAIN		X	X			X				?													
3. CONNELL BROOK		X	X		X				X														
4. MONTEITH FARM		X	X						X														
5. SMART FARM		X	X		X	X			X			X	X		X	X							
6. UPPER NORTHAMPTON Cu		X	X			X	X		X	X													
7. KILMARNOCK SETTLEMENT		X	X																				
VEIN TYPE and/or PORPHYRY AFFILIATE - COPPER																							
8. BEDELL FARM			X			X																	
9. BULLS CREEK No. 1		X	X		X	X			X	X			X	X			X						
10. BULLS CREEK No. 2		X	X		X		X		X	X								X	X				
11. BULLS CREEK No. 3		X	X	X	X		X		X				X							X			
12. COBBLER - SEXTON		X	X							X													
13. DUGAN ROAD EAST		X																					
14. DUGAN ROAD WEST		X					X	X															
15. INTERCHANGE COPPER		X	X																				
16. SILVERMAQUE		X	X																				
FRACTURE FILLING - COPPER																							
17. HILLMAN COPPER		X				X																	
18. LOWER NORTHAMPTON COPPER		X		X																			
19. RICEVILLE		X																					
20. BENTON PYRITE		X																					
21. LILLY BROOK Cu-Mo																							
22. LILLY BROOK COPPER																							
23. WOODSTOCK Cu-Pb			X	X																			
24. WETMORE		X	X									X											
VEIN - LEAD																							
25. BRITTON MINE		X		X																			
26. WRIGHT BROOK		X	X	X	X																		
27. DOMINION No. 1		X	X	X	X																		
28. FRASER & BRIGGS Pb-Zn-Cu		X	X	X	X																		
29. TOMPKINS PROSPECT		X	X	X	X																		
30. LILLY BROOK LEAD		X																					
31. GRAFTON PYRITE		X	X	X	X																		
VEIN - GOLD																							
32. UPPER NORTHAMPTON GOLD	X	X	X	X	X	X	X		X														
33. RIVER GOLD		X	X	X																			
34. OAK MOUNTAIN (Au) Sb			X		X		X		X												X		
VEIN - BARITE																							
35. SOUTH NEWBRIDGE BARITE				X									X									X	
36. UPPER NORTHAMPTON BARITE		X																				X	
IRON - MANGANESE																							
37. WICKHAM		X								X													X
38. OAK MOUNTAIN Fe-Mn										X													X
39. PEABODY FARM IRON										X													

STYLE

OCCURRENCE	VEINS	DISSEMINATED	FRACTURE FILLINGS	SUPERGENE	LENSES	SHEAR ZONES	BRECCIAS
PORPHYRY COPPER							
1. CONNELL MOUNTAIN	X	X	X	X			
2. SOUTHEAST CONNELL MOUNTAIN	X	X	X	X			
3. CONNELL BROOK	X	X	X				
4. MONTEITH FARM	X	X	X				
5. SMART FARM		X	X				
6. UPPER NORTHAMPTON Cu	X	X	X				
7. KILMARNOCK SETTLEMENT							
VEIN TYPE and/or PORPHYRY AFFILIATE - COPPER							
8. BEDELL FARM	X		X				
9. BULLS CREEK No. 1	X		X			X	
10. BULLS CREEK No. 2	X	X	X				
11. BULLS CREEK No. 3	X		X				X
12. COBBLER - SEXTON	X	X	X				
13. DUGAN ROAD EAST			X		X		
14. DUGAN ROAD WEST			X				
15. INTERCHANGE COPPER			X				
16. SILVERMAQUE	X						
FRACTURE FILLING - COPPER							
17. HILLMAN COPPER							
18. LOWER NORTHAMPTON COPPER							
19. RICEVILLE	X		X				
20. BENTON PYRITE		X	X			X	
21. LILLY BROOK Cu-Mo	X		X				
22. LILLY BROOK COPPER			X				
23. WOODSTOCK Cu-Pb							
24. WETMORE	X	X	X				
VEIN - LEAD							
25. BRITTON MINE	X						
26. WRIGHT BROOK	X						
27. DOMINION No. 1	X						
28. FRASER & BRIGGS Pb-Zn-Cu							
29. TOMPKINS PROSPECT	X						
30. LILLY BROOK LEAD	X						
31. GRAFTON PYRITE		X	X				
VEIN - GOLD							
32. UPPER NORTHAMPTON GOLD	X	X					
33. RIVER GOLD	X						
34. OAK MOUNTAIN (Au) Sb	X						
VEIN - BARITE							
35. SOUTH NEWBRIDGE BARITE	X						
36. UPPER NORTHAMPTON BARITE	X						
IRON - MANGANESE							
37. WICKHAM	X			X			
38. OAK MOUNTAIN Fe-Mn	X			X			
39. PEABODY FARM IRON							

ANOMALOUS ELEMENTS

OCCURRENCE	Au	Li	Be	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Se	Mo	Ag	Cd	Sn	Sb	Te	Ba	W	Pb	Bi	U
PORPHYRY COPPER																								
1. CONNELL MOUNTAIN	X			X						X		X	X	X	X	X	X	X	X		X	X	X	
2. SOUTHEAST CONNELL MOUNTAIN	X									X		X	X		X		X	X	X		X	X	X	X
3. CONNELL BROOK						X				X	X				X		X				X			
4. MONTEITH FARM										X		X			X		X				X			
5. SMART FARM	X									X	X	X		X	X	X					X	X	X	
6. UPPER NORTHAMPTON Cu									X	X	X	X	X	X	X		X	X			X			X
7. KILMARNOCK SETTLEMENT																								
VEIN TYPE and/or PORPHYRY AFFILIATE - COPPER																								
8. BEDELL FARM										X					X									
9. BULLS CREEK No. 1	X									X	X	X		X	X			X				X	X	
10. BULLS CREEK No. 2	X									X		X			X		X				X		X	
11. BULLS CREEK No. 3	X					X				X	X	X		X	X	X		X			X	X	X	
12. COBBLER - SEXTON	X						X			X		X	X		X		X		X		X	X	X	
13. DUGAN ROAD EAST						X						X			X			X		X				
14. DUGAN ROAD WEST		X				X				X		X			X		X	X			X		X	
15. INTERCHANGE COPPER										X														
16. SILVERMAQUE																								
FRACTURE FILLING - COPPER																								
17. HILLMAN COPPER																								
18. LOWER NORTHAMPTON COPPER										X		X		X	X							X	X	
19. RICEVILLE												X			X							X	X	
20. BENTON PYRITE	X														X									
21. LILLY BROOK Cu-Mo															X									
22. LILLY BROOK COPPER																								
23. WOODSTOCK Cu-Pb																								
24. WETMORE										X														
VEIN - LEAD																								
25. BRITTON MINE											X	X				X						X		
26. WRIGHT BROOK	X									X	X	X		X	X	X		X				X	X	
27. DOMINION No. 1	X									X	X			X	X	X					X	X	X	
28. FRASER & BRIGGS Pb-Zn-Cu																								
29. TOMPKINS PROSPECT										X	X				X							X		
30. LILLY BROOK LEAD															X									
31. GRAFTON PYRITE	X			X						X		X			X		X	X	X		X	X	X	X
VEIN - GOLD																								
32. UPPER NORTHAMPTON GOLD	X									X	X	X			X	X		X				X	X	
33. RIVER GOLD	X									X	X											X		
34. OAK MOUNTAIN (Au) Sb	X									X	X	X	X		X	X		X				X	X	
VEIN - BARITE																								
35. SOUTH NEWBRIDGE BARITE	X											X			X					X		X		
36. UPPER NORTHAMPTON BARITE															X					X				
IRON - MANGANESE																								
37. WICKHAM		X				X	X	X				X		X	X			X			X	X		
38. OAK MOUNTAIN Fe-Mn	X	X		X		X	X	X		X	X	X		X	X		X	X	X	X	X	X		
39. PEABODY FARM IRON																								

Table I: Summary of mineral occurrences

Contribution to Canada-New Brunswick Mineral Development Agreement 1984-89, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada

Contribution à l'Entente auxiliaire Canada/Nouveau-Brunswick sur l'Exploitation minérale 1984-89 faisant partie de l'entente de développement économique et régional. Ce projet a été financé par la Commission géologique du Canada

Natural Resources and Energy New Brunswick — Ressources Naturelles et Énergie Nouveau-Brunswick

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COMMISSION GEOLOGIQUE DU CANADA
OTTAWA
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