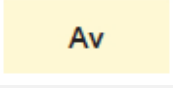
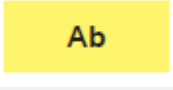
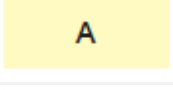
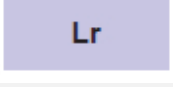

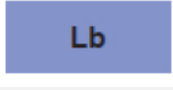
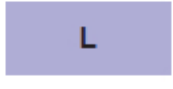
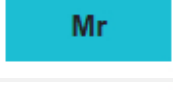
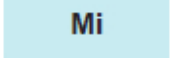







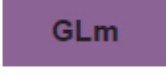
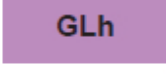



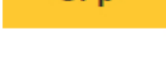



Surficial Data Model v2.4.0
Open File 8236 Appendix 5 Map units

Map unit	Symbol Code	CMYK / RGB	
Isn: Glacial Ice or Snowpack - Snowpacks (all)	3.01.15.001		
I: Glacial Ice or Snowpack - Glacier or icefield or icecap (all)	3.01.15.002		
H: Anthropogenic deposits - Undifferentiated (all)	3.01.14.715	024-045-046-000 193-139-138	
Owf: Organic deposits - Fen deposits (all)	3.01.02.011	009-009-009-000 231-231-232	
Owb: Organic deposits - Bog deposits (all)	3.01.02.013	026-025-024-000 189-190-193	
Ows: Organic deposits - Salt marsh (all)	3.01.02.015	042-042-040-000 148-149-153	
Ov: Organic deposits - Veneer (all)	3.01.02.023	029-033-030-000 181-171-179	
Ob: Organic deposits - Blanket (all)	3.01.02.025	044-049-045-000 142-129-140	
O: Organic deposits - Undifferentiated deposits (all)	3.01.02.012	018-017-016-000 210-211-213	
EI: Eolian sediments - Loess (all)	3.01.03.295	011-017-042-000 226-211-147	
Er: Eolian sediments - Dunes (all)	3.01.03.299	019-028-075-000 206-184-065	
Ev: Eolian sediments - Veneer (all)	3.01.03.292	005-007-018-000 242-236-208	
E: Eolian sediments - Undifferentiated sediments (all)	3.01.03.297	016-024-058-000 214-195-107	
Cf: Colluvial and mass-wasting deposits - Fan sediments (all)	3.01.01.107	031-049-062-000 175-130-096	
Ca1: Colluvial and mass-wasting deposits - Apron or talus scree deposits (stratified)	3.01.01.097	031-059-065-000 176-104-089	

Map unit	Symbol Code	CMYK / RGB	
Ca2: Colluvial and mass-wasting deposits - Apron or talus scree deposits (unstratified)	3.01.01.097	031-059-065-000 176-104-089	
Ca: Colluvial and mass-wasting deposits - Apron or talus scree deposits (unspecified)	3.01.01.097	031-059-065-000 176-104-089	
Cz1: Colluvial and mass-wasting deposits - Landslide deposits (avalanche)	3.01.01.155	014-043-052-000 220-145-122	
Cz2: Colluvial and mass-wasting deposits - Landslide deposits (mud flow)	3.01.01.155	014-043-052-000 220-145-122	
Cz3: Colluvial and mass-wasting deposits - Landslide deposits (retrogressive thaw flow)	3.01.01.155	014-043-052-000 220-145-122	
Cz4: Colluvial and mass-wasting deposits - Landslide deposits (rotational landslide)	3.01.01.155	014-043-052-000 220-145-122	
Cz5: Colluvial and mass-wasting deposits - Landslide deposits (translational landslide)	3.01.01.155	014-043-052-000 220-145-122	
Cz: Colluvial and mass-wasting deposits - Landslide deposits (unspecified)	3.01.01.155	014-043-052-000 220-145-122	
Cg: Colluvial and mass-wasting deposits - Rock glacier (all)	3.01.01.139	018-046-064-000 209-137-093	
Cv: Colluvial and mass-wasting deposits - Veneer (all)	3.01.01.092	011-021-025-000 227-202-192	
Cb: Colluvial and mass-wasting deposits - Blanket (all)	3.01.01.095	024-045-052-000 194-139-123	
C: Colluvial and mass-wasting deposits - Undifferentiated deposits (all)	3.01.01.152	006-019-025-000 240-207-192	
Ap: Alluvial sediments - Floodplain sediments (all)	3.01.04.265	000-003-040-000 255-247-153	
Af: Alluvial sediments - Fan sediments (all)	3.01.04.257	000-010-058-000 255-229-107	



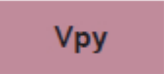




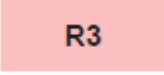

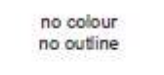
Map unit	Symbol Code	CMYK / RGB	
Ai: Alluvial sediments - Intertidal or estuarine sediments (all)	3.01.04.255	000-008-042-000 255-234-149	
At: Alluvial sediments - Terraced sediments (all)	3.01.04.269	000-005-084-000 255-242-042	
Av: Alluvial sediments - Veneer (all)	3.01.04.252	000-003-017-000 255-248-212	
Ab: Alluvial sediments - Blanket (all)	3.01.04.267	000-004-058-000 255-245-108	
A: Alluvial sediments - Undifferentiated sediments (all)	3.01.04.263	000-002-024-000 255-250-194	
Lr: Lacustrine sediments - Beach sediments (all)	3.01.05.582	022-023-011-000 199-197-226	
Ld: Lacustrine sediments - Deltaic sediments (all)	3.01.05.585	047-049-026-000 136-130-189	
Ln: Lacustrine sediments - Littoral and nearshore sediments (all)	3.01.05.573	032-027-013-000 174-185-223	
Lo: Lacustrine sediments - Offshore sediments (all)	3.01.05.577	065-053-027-000 089-120-186	
Lv: Lacustrine sediments - Veneer (all)	3.01.05.572	022-020-009-000 199-205-232	
Lb: Lacustrine sediments - Blanket (all)	3.01.05.575	048-042-021-000 132-147-202	
L: Lacustrine sediments - Undifferentiated sediments (all)	3.01.05.583	031-033-016-000 175-172-213	
Mt: Marine sediments - Terraced sediments (all)	3.01.06.495	054-019-013-000 117-206-223	
Mr: Marine sediments - Beach sediments (all)	3.01.06.497	089-025-018-000 027-190-210	
Md: Marine sediments - Deltaic sediments (all)	3.01.06.507	091-025-005-000 022-192-243	
Mi: Marine sediments - Intertidal sediments (all)	3.01.06.492	022-008-005-000 200-234-241	

Map unit	Symbol Code	CMYK / RGB	
Mn: Marine sediments - Littoral and nearshore sediments (all)	3.01.06.493	032-012-008-000 173-224-234	Mn
Mo: Marine sediments - Offshore sediments (all)	3.01.06.509	100-030-006-000 000-179-240	Mo
Mv: Marine sediments - Veneer (all)	3.01.06.502	022-008-001-000 199-235-252	Mv
Mb: Marine sediments - Blanket (all)	3.01.06.505	056-018-004-000 111-208-246	Mb
M: Marine sediments - Undifferentiated sediments (all)	3.01.06.503	033-012-002-000 170-225-250	M
GMr: Glaciomarine sediments - Beach sediments (all)	3.01.09.487	077-035-024-000 059-165-193	GMr
GMd: Glaciomarine sediments - Deltaic sediments (all)	3.01.09.525	049-035-023-000 130-167-196	GMd
GMi: Glaciomarine sediments - Intertidal sediments (all)	3.01.09.512	022-012-004-000 199-225-245	GMi
GMn: Glaciomarine sediments - Littoral and nearshore sediments (all)	3.01.09.513	033-017-006-000 172-211-240	GMn
GMo: Glaciomarine sediments - Offshore sediments (all)	3.01.09.519	100-041-015-000 000-151-217	GMo
GMf: Glaciomarine sediments - Submarine outwash-fan sediments (all)	3.01.09.527	068-044-030-000 082-142-178	GMf
GMm: Glaciomarine sediments - Submarine moraine complex (all)	3.01.09.517	082-035-013-000 045-166-222	GMm
GMv: Glaciomarine sediments - Veneer (all)	3.01.09.483	031-018-012-000 175-210-225	GMv
GMb: Glaciomarine sediments - Blanket (all)	3.01.09.485	051-027-018-000 125-186-209	GMb
GM: Glaciomarine sediments - Undifferentiated sediments (all)	3.01.09.515	053-027-009-000 119-187-231	GM

Map unit	Symbol Code	CMYK / RGB	
GLr: Glaciolacustrine sediments - Beach sediments (all)	3.01.08.645	025-045-032-000 191-140-173	
GLd: Glaciolacustrine sediments - Deltaic sediments (all)	3.01.08.613	023-031-021-000 197-176-201	
GLn: Glaciolacustrine sediments - Littoral and nearshore sediments (all)	3.01.08.612	016-022-015-000 213-200-218	
GLo: Glaciolacustrine sediments - Offshore sediments (all)	3.01.08.637	034-060-033-000 169-103-170	
GLf: Glaciolacustrine sediments - Subaqueous outwash-fan sediments (all)	3.01.08.615	036-047-032-000 164-134-173	
GLm: Glaciolacustrine sediments - Subaqueous moraine complex (all)	3.01.08.617	045-061-042-000 140-099-149	
GLh: Glaciolacustrine sediments - Hummocky sediments (all)	3.01.08.635	026-045-025-000 188-140-191	
GLv: Glaciolacustrine sediments - Veneer (all)	3.01.08.642	012-020-015-000 225-203-218	
GLb: Glaciolacustrine sediments - Blanket (all)	3.01.08.647	033-059-042-000 172-104-149	
GL: Glaciolacustrine sediments - Undifferentiated sediments (all)	3.01.08.643	016-029-021-000 213-181-201	
GFp: Glaciofluvial sediments - Outwash plain sediments (all)	3.01.07.249	000-022-081-000 254-200-048	
GFt: Glaciofluvial sediments - Terraced sediments (all)	3.01.07.237	001-026-061-000 253-189-099	
GFf1: Glaciofluvial sediments - Outwash fan sediments (subaerial)	3.01.07.225	001-025-047-000 252-190-135	
GFf2: Glaciofluvial sediments - Outwash fan sediments (subaqueous)	3.01.07.225	001-025-047-000 252-190-135	

Map unit	Symbol Code	CMYK / RGB	
Gff: Glaciofluvial sediments - Outwash fan sediments (unspecified)	3.01.07.225	001-025-047-000 252-190-135	
GFh: Glaciofluvial sediments - Hummocky sediments (all)	3.01.07.215	002-032-049-000 249-173-129	
GFc: Glaciofluvial sediments - Ice-contact sediments (all)	3.01.07.217	003-043-065-000 247-145-090	
GFk: Glaciofluvial sediments - Kame terrace (all)	3.01.07.219	004-055-080-000 244-116-052	
GFr: Glaciofluvial sediments - Esker (all)	3.01.07.229	003-044-080-000 247-144-052	
GFv: Glaciofluvial sediments - Veneer (all)	3.01.07.223	000-016-030-000 254-215-178	
GFb: Glaciofluvial sediments - Blanket (all)	3.01.07.247	000-018-060-000 255-209-103	
GF: Glaciofluvial sediments - Undifferentiated sediments (all)	3.01.07.235	000-019-045-000 254-207-140	
Tg: Glacial sediments - Rock-glacierized moraines (all)	3.01.10.357	038-019-053-000 157-206-119	
Th1: Glacial sediments - Hummocky till (carbonate/calcareous)	3.01.10.375	036-021-040-000 163-202-153	
Th: Glacial sediments - Hummocky till (unspecified)	3.01.10.375	036-021-040-000 163-202-153	
Tm1: Glacial sediments - Moraine complex (carbonate/calcareous)	3.01.10.377	048-027-054-000 132-187-118	
Tm: Glacial sediments - Moraine complex (unspecified)	3.01.10.377	048-027-054-000 132-187-118	
Tr1: Glacial sediments - Ridged till; moraine (carbonate/calcareous)	3.01.10.385	036-017-038-000 162-212-157	
Tr: Glacial sediments - Ridged till; moraine (unspecified)	3.01.10.385	036-017-038-000 162-212-157	

Map unit	Symbol Code	CMYK / RGB	
Ts1: Glacial sediments - Streamlined till (carbonate/calcareous)	3.01.10.387	050-022-053-000 128-198-121	
Ts: Glacial sediments - Streamlined till (unspecified)	3.01.10.387	050-022-053-000 128-198-121	
Tp1: Glacial sediments - Till plain (carbonate/calcareous)	3.01.10.439	084-053-069-000 040-120-079	
Tp: Glacial sediments - Till plain (unspecified)	3.01.10.439	084-053-069-000 040-120-079	
Tx1: Glacial sediments - Weathered till (carbonate/calcareous)	3.01.10.057	045-051-062-000 141-124-098	
Tx: Glacial sediments - Weathered till (unspecified)	3.01.10.057	045-051-062-000 141-124-098	
Tv1: Glacial sediments - Veneer (carbonate/calcareous)	3.01.10.355	027-014-038-000 185-219-157	
Tv: Glacial sediments - Veneer (unspecified)	3.01.10.355	027-014-038-000 185-219-157	
Tb1: Glacial sediments - Blanket (carbonate/calcareous)	3.01.10.359	048-023-067-000 133-197-083	
Tb: Glacial sediments - Blanket (unspecified)	3.01.10.359	048-023-067-000 133-197-083	
T: Glacial sediments - Undifferentiated sediments (all)	3.01.10.373	022-013-026-000 200-221-189	
Wv1: Weathered bedrock or regolith - Veneer (carboncarbonate/calcareous)	3.01.11.175	014-043-045-000 219-145-139	
Wv: Weathered bedrock or regolith - Veneer (unspecified)	3.01.11.175	014-043-045-000 219-145-139	
Wb1: Weathered bedrock or regolith - Blanket (carboncarbonate/calcareous)	3.01.11.169	015-075-080-000 218-064-052	
Wb: Weathered bedrock or regolith - Blanket (unspecified)	3.01.11.169	015-075-080-000 218-064-052	

Map unit	Symbol Code	CMYK / RGB	
W1: Weathered bedrock or regolith - Undifferentiated (carboncarbonate/calcareous)	3.01.11.177	019-058-058-000 206-108-108	
W: Weathered bedrock or regolith - Undifferentiated (unspecified)	3.01.11.177	019-058-058-000 206-108-108	
Vpy: Volcanic deposits - Pyroclastic sediments (all)	3.01.16.705	025-045-039-000 192-140-156	
V: Volcanic deposits - Undifferentiated (all)	3.01.16.707	032-059-049-000 174-104-130	
U: Undifferentiated deposits - Undifferentiated deposits (all)	3.01.12.082	015-022-025-000 216-198-192	
R1: Bedrock - Sedimentary (all)	3.01.13.192	001-017-021-000 252-211-201	
R2: Bedrock - Igneous (all)	3.01.13.187	005-056-050-000 242-113-128	
R3: Bedrock - Metamorphic (all)	3.01.13.183	002-025-025-000 250-191-190	
R: Bedrock - Undifferentiated (all)	3.01.13.185	004-040-038-000 246-152-158	
0: Unmapped Area (all)	2.01.01.008		
x: Map unit to be defined (all)	2.01.01.010		