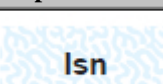
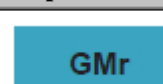



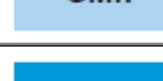
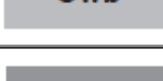

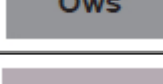
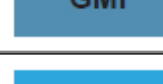
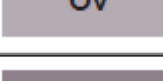
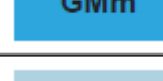
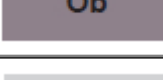
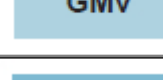
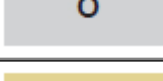
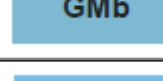
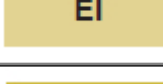

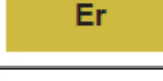

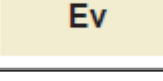

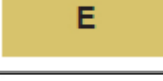
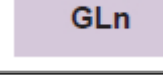

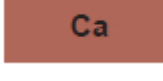

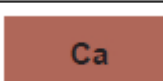
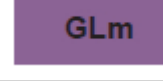

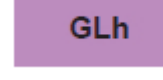



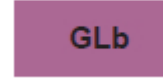



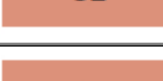

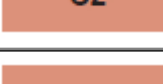

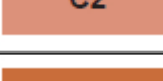

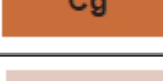

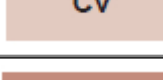



Surficial Data Model version 2.3.0 (2017-06-13)

Open File #236 Appendix 4 - MAP UNIT POYGONS

Open File #236 Appendix 4 - MAP UNIT POYGONS										Open File #236 Appendix 4 - MAP UNIT POYGONS															
Genesis	Category	Subcategory	**Control	**Map Unit Label	**Map Unit Type	**Map Unit Subcategory	**Symbol	Symbol Representation	Short Legend Description	Notes	CMYK	RGB	Genesis	Category	Subcategory	**Control	**Map Unit Label	**Map Unit Type	**Map Unit Subcategory	**Symbol	Symbol Representation	Short Legend Description	Notes	CMYK	RGB
G: Glacial Ice or Snowpack	bc: Snowpacks	Not applicable	7811090 Ibc: Glacial Ice or Snowpack - Snowpacks (all)	Ibc * Ibc	781 * Glacial Ice or Snowpack - Snowpacks	909 * Not applicable	3.01.15.001 * Ibc: Glacial Ice or Snowpack - Snowpacks (all)		Snowpack	Perennial. Obscure terrain on air photos.	jpg	jpg	GM: Glaciomarine sediments	a: Beach sediments	Not applicable	7581090 GM: Glaciomarine sediments - Beach sediments (all)	GM * GM	758 * Glaciomarine sediments - Beach sediments	909 * Not applicable	3.01.09.487 * GM: Glaciomarine sediments - Beach sediments (all)		Glaciomarine beach sediments		077-035-024-000	059-165-193
G: Glacial Ice or Snowpack	Glacier or icefield or icecap	Not applicable	7821090 I: Glacier Ice or Snowpack - Glacier or icefield or icecap (all)	I * I	782 * Glacial Ice or Snowpack - Glacier or icefield or icecap	909 * Not applicable	3.01.15.002 * I: Glacier Ice or Snowpack - Glacier or icefield or icecap (all)		Glacier or icefield or icecap		jpg	jpg	GM: Glaciomarine sediments	d: Deltaic sediments	Not applicable	7571090 GMd: Glaciomarine sediments - Deltaic sediments (all)	GMd * GMd	757 * Glaciomarine sediments - Deltaic sediments	909 * Not applicable	3.01.09.525 * GMd: Glaciomarine sediments - Deltaic sediments (all)		Glaciomarine deltaic sediments	Includes pro-deltaic sediments.	049-035-023-000	136-167-196
H: Anthropogenic deposits	Undifferentiated	Not applicable	7801090 H: Anthropogenic deposits - Undifferentiated (all)	H * H	780 * Anthropogenic deposits - Undifferentiated	909 * Not applicable	3.01.14.715 * H: Anthropogenic deposits - Undifferentiated (all)		Anthropogenic undifferentiated deposits		024-045-046-000	193-139-138	GM: Glaciomarine sediments	i: Interstitial sediments	Not applicable	7691090 GMi: Glaciomarine sediments - Interstitial sediments (all)	GMi * GMi	769 * Glaciomarine sediments - Interstitial sediments	909 * Not applicable	3.01.08.512 * GMi: Glaciomarine sediments - Interstitial sediments (all)		Glaciomarine interstitial sediments		022-012-094-000	199-225-245
O: Organic deposits	wf: Fen deposits	Not applicable	7091090 Owf: Organic deposits - Fen deposits (all)	Owf * Owf	709 * Organic deposits - Fen deposits	909 * Not applicable	3.01.02.011 * Owf: Organic deposits - Fen deposits (all)		Fen deposits	Wetland fen (peat).	009-009-009-000	231-231-252	GM: Glaciomarine sediments	l: Littoral and nearshore sediments	Not applicable	7591090 GMl: Glaciomarine sediments - Littoral and nearshore sediments (all)	GMl * GMl	759 * Glaciomarine sediments - Littoral and nearshore sediments	909 * Not applicable	3.01.08.513 * GMl: Glaciomarine sediments - Littoral and nearshore sediments (all)		Glaciomarine littoral and nearshore sediments		033-017-006-000	172-211-240
O: Organic deposits	wb: Bog deposits	Not applicable	7101090 Owb: Organic deposits - Bog deposits (all)	Owb * Owb	710 * Organic deposits - Bog deposits	909 * Not applicable	3.01.02.013 * Owb: Organic deposits - Bog deposits (all)		Bog deposits	Wetland bog (peat).	026-025-024-000	189-190-193	GM: Glaciomarine sediments	o: Offshore sediments	Not applicable	9121090 GMo: Glaciomarine sediments - Offshore sediments (all)	GMo * GMo	912 * Glaciomarine sediments - Offshore sediments	909 * Not applicable	3.01.09.519 * GMo: Glaciomarine sediments - Offshore sediments (all)		Glaciomarine offshore sediments		100-041-015-000	000-151-217
O: Organic deposits	ws: Salt marsh	Not applicable	7111090 Ows: Organic deposits - Salt marsh (all)	Ows * Ows	711 * Organic deposits - Salt marsh	909 * Not applicable	3.01.02.015 * Ows: Organic deposits - Salt marsh (all)		Salt marsh deposits		042-042-040-000	148-149-153	GM: Glaciomarine sediments	f: Submarine outwash fan sediments	Not applicable	7611090 GMf: Glaciomarine sediments - Submarine outwash fan sediments (all)	GMf * GMf	761 * Glaciomarine sediments - Submarine outwash fan sediments	909 * Not applicable	3.01.09.527 * GMf: Glaciomarine sediments - Submarine outwash fan sediments (all)		Glaciomarine submarine outwash fan sediments		068-044-030-000	082-134-178
O: Organic deposits	v: Veneer	Not applicable	6971090 Ov: Organic deposits - Veneer (all)	Ov * Ov	697 * Organic deposits - Veneer	909 * Not applicable	3.01.02.023 * Ov: Organic deposits - Veneer (all)		Organic veneer deposits		029-033-030-000	181-171-179	GM: Glaciomarine sediments	m: Submarine moraine complex	Not applicable	7601090 GMm: Glaciomarine sediments - Submarine moraine complex (all)	GMm * GMm	760 * Glaciomarine sediments - Submarine moraine complex	909 * Not applicable	3.01.09.517 * GMm: Glaciomarine sediments - Submarine moraine complex (all)		Glaciomarine submarine moraine complex sediments		082-035-013-000	045-166-222
O: Organic deposits	b: Blanket	Not applicable	6981090 Ob: Organic deposits - Blanket (all)	Ob * Ob	698 * Organic deposits - Blanket	909 * Not applicable	3.01.02.025 * Ob: Organic deposits - Blanket (all)		Organic blanket deposits		044-049-045-000	142-129-140	GM: Glaciomarine sediments	v: Veneer	Not applicable	7631090 GMv: Glaciomarine sediments - Veneer (all)	GMv * GMv	763 * Glaciomarine sediments - Veneer	909 * Not applicable	3.01.09.483 * GMv: Glaciomarine sediments - Veneer (all)		Glaciomarine veneer sediments	< 2 m.	031-018-012-000	175-210-225
O: Organic deposits	Undifferentiated sediments	Not applicable	7121090 O: Organic deposits - Undifferentiated sediments (all)	O * O	712 * Organic deposits - Undifferentiated	909 * Not applicable	3.01.02.012 * O: Organic deposits - Undifferentiated sediments (all)		Organic undifferentiated deposits		018-017-016-000	210-211-213	GM: Glaciomarine sediments	bc: Blanket	Not applicable	9171090 GMb: Glaciomarine sediments - Blanket (all)	GMb * GMb	917 * Glaciomarine sediments - Blanket	909 * Not applicable	3.01.09.485 * GMb: Glaciomarine sediments - Blanket (all)		Glaciomarine blanket sediments	> 2 m.	051-027-018-000	125-186-209
E: Eolian sediments	L: Loess	Not applicable	7141090 El: Eolian sediments - Loess (all)	El * El	714 * Eolian sediments - Loess	909 * Not applicable	3.01.03.295 * El: Eolian sediments - Loess (all)		Loess sediments		011-017-042-000	226-211-147	GM: Glaciomarine sediments	Undifferentiated sediments	Not applicable	7641090 GM: Glaciomarine sediments - Undifferentiated sediments (all)	GM * GM	764 * Glaciomarine sediments - Undifferentiated sediments	909 * Not applicable	3.01.09.515 * GM: Glaciomarine sediments - Undifferentiated sediments (all)		Glaciomarine undifferentiated sediments		053-027-009-000	119-187-231
E: Eolian sediments	d: Dunes	Not applicable	7131090 Er: Eolian sediments - Dunes (all)	Er * Er	713 * Eolian sediments - Dunes	909 * Not applicable	3.01.03.299 * Er: Eolian sediments - Dunes (all)		Dune sediments		019-028-075-000	206-184-065	GL: Glaciolacustrine sediments	a: Beach sediments	Not applicable	7501090 GLa: Glaciolacustrine sediments - Beach sediments (all)	GLa * GLa	750 * Glaciolacustrine sediments - Beach sediments	909 * Not applicable	3.01.08.645 * GLa: Glaciolacustrine sediments - Beach sediments (all)		Glaciolacustrine beach sediments		025-045-032-000	091-140-173
E: Eolian sediments	v: Veneer	Not applicable	7161090 Ev: Eolian sediments - Veneer (all)	Ev * Ev	716 * Eolian sediments - Veneer	909 * Not applicable	3.01.03.292 * Ev: Eolian sediments - Veneer (all)		Eolian veneer sediments	< 2 m.	005-007-018-000	242-236-208	GL: Glaciolacustrine sediments	d: Deltaic sediments	Not applicable	7491090 GLd: Glaciolacustrine sediments - Deltaic sediments (all)	GLd * GLd	749 * Glaciolacustrine sediments - Deltaic sediments	909 * Not applicable	3.01.08.613 * GLd: Glaciolacustrine sediments - Deltaic sediments (all)		Glaciolacustrine deltaic sediments	Includes pro-deltaic sediments.	023-031-021-000	197-176-201
E: Eolian sediments	Undifferentiated sediments	Not applicable	7171090 E: Eolian sediments - Undifferentiated sediments (all)	E * E	717 * Eolian sediments - Undifferentiated	909 * Not applicable	3.01.03.297 * E: Eolian sediments - Undifferentiated sediments (all)		Eolian undifferentiated sediments		016-024-058-000	214-195-107	GL: Glaciolacustrine sediments	b: Littoral and nearshore sediments	Not applicable	7511090 GLn: Glaciolacustrine sediments - Littoral and nearshore sediments (all)	GLn * GLn	751 * Glaciolacustrine sediments - Littoral and nearshore sediments	909 * Not applicable	3.01.08.612 * GLn: Glaciolacustrine sediments - Littoral and nearshore sediments (all)		Glaciolacustrine littoral and nearshore sediments		016-021-015-000	213-200-218
C: Colluvial and mass-wasting deposits	f: Fan sediments	Not applicable	7021090 Cf: Colluvial and mass-wasting deposits - Fan sediments (all)	Cf * Cf	702 * Colluvial and mass-wasting deposits - Fan sediments	909 * Not applicable	3.01.01.107 * Cf: Colluvial and mass-wasting deposits - Fan sediments (all)		Colluvial fan sediments		031-049-062-000	175-130-096	GL: Glaciolacustrine sediments	o: Offshore sediments	Not applicable	9131090 GLo: Glaciolacustrine sediments - Offshore sediments (all)	GLO * GLO	913 * Glaciolacustrine sediments - Offshore sediments	909 * Not applicable	3.01.08.637 * GLo: Glaciolacustrine sediments - Offshore sediments (all)		Glaciolacustrine offshore sediments		034-060-033-000	169-103-170
C: Colluvial and mass-wasting deposits	a: Apron or talus scre deposits	1: Stratified	7011083 Ca1: Colluvial and mass-wasting deposits - Apron or talus scre deposits (stratified)	Ca1 * Ca1	701 * Colluvial and mass-wasting deposits - Apron or talus scre deposits	897 * Stratified	3.01.01.097 * Ca: Colluvial and mass-wasting deposits - Apron or talus scre deposits (all)		Apron or talus scre stratified deposits		031-049-065-000	176-104-089	GL: Glaciolacustrine sediments	f: Subaqueous outwash fan sediments	Not applicable	7531090 GLf: Glaciolacustrine sediments - Subaqueous outwash fan sediments (all)	GLf * GLf	753 * Glaciolacustrine sediments - Subaqueous outwash fan sediments	909 * Not applicable	3.01.08.615 * GLf: Glaciolacustrine sediments - Subaqueous outwash fan sediments (all)		Glaciolacustrine subaqueous outwash fan sediments		036-047-032-000	164-134-173
C: Colluvial and mass-wasting deposits	a: Apron or talus scre deposits	2: Unstratified	7011086 Ca2: Colluvial and mass-wasting deposits - Apron or talus scre deposits (unstratified)	Ca2 * Ca2	701 * Colluvial and mass-wasting deposits - Apron or talus scre deposits	898 * Unstratified	3.01.01.097 * Ca: Colluvial and mass-wasting deposits - Apron or talus scre deposits (all)		Apron or talus scre unstratified deposits		031-049-065-000	176-104-089	GL: Glaciolacustrine sediments	m: Subaqueous moraine complex	Not applicable	7521090 GLm: Glaciolacustrine sediments - Subaqueous moraine complex (all)	GLm * GLm	752 * Glaciolacustrine sediments - Subaqueous moraine complex	909 * Not applicable	3.01.08.617 * GLm: Glaciolacustrine sediments - Subaqueous moraine complex (all)		Glaciolacustrine subaqueous moraine complex sediments		045-061-042-000	140-099-149
C: Colluvial and mass-wasting deposits	a: Apron or talus scre deposits	Unspecified	7011084 Ca: Colluvial and mass-wasting deposits - Apron or talus scre deposits (unspecified)	Ca * Ca	701 * Colluvial and mass-wasting deposits - Apron or talus scre deposits	896 * Unspecified	3.01.01.097 * Ca: Colluvial and mass-wasting deposits - Apron or talus scre deposits (all)		Apron or talus scre unspecified deposits		031-049-065-000	176-104-089	GL: Glaciolacustrine sediments	v: Veneer	Not applicable	7551090 GLv: Glaciolacustrine sediments - Veneer (all)	GLv * GLv	755 * Glaciolacustrine sediments - Veneer	909 * Not applicable	3.01.08.642 * GLv: Glaciolacustrine sediments - Veneer (all)		Glaciolacustrine veneer sediments	< 2 m.	012-030-015-000	225-203-218
C: Colluvial and mass-wasting deposits	a: Landslide deposits	1: Avalanche	7031078 Cc1: Colluvial and mass-wasting deposits - Landslide deposits (avalanche)	Cc1 * Cc1	703 * Colluvial and mass-wasting deposits - Landslide deposits	890 * Avalanche	3.01.01.155 * Cc: Colluvial and mass-wasting deposits - Landslide deposits (all)		Avalanche deposits		014-043-052-000	220-145-122	GL: Glaciolacustrine sediments	b: Blanket	Not applicable	9161090 GLb: Glaciolacustrine sediments - Blanket (all)	GLb * GLb	916 * Glaciolacustrine sediments - Blanket	909 * Not applicable	3.01.08.647 * GLb: Glaciolacustrine sediments - Blanket (all)		Glaciolacustrine blanket sediments	> 2 m.	033-039-042-000	172-104-149
C: Colluvial and mass-wasting deposits	a: Landslide deposits	2: Mud flow	7031079 Cc2: Colluvial and mass-wasting deposits - Landslide deposits (mud flow)	Cc2 * Cc2	703 * Colluvial and mass-wasting deposits - Landslide deposits	891 * Mud flow	3.01.01.155 * Cc: Colluvial and mass-wasting deposits - Landslide deposits (all)		Mud flow deposits		014-043-052-000	220-145-122	GL: Glaciolacustrine sediments	Undifferentiated sediments	Not applicable	7561090 GL: Glaciolacustrine sediments - Undifferentiated sediments (all)	GL * GL	756 * Glaciolacustrine sediments - Undifferentiated sediments	909 * Not applicable	3.01.08.643 * GL: Glaciolacustrine sediments - Undifferentiated sediments (all)		Glaciolacustrine undifferentiated sediments		016-029-021-000	213-181-201
C: Colluvial and mass-wasting deposits	a: Landslide deposits	3: Retrogressive thaw flow	7031080 Cc3: Colluvial and mass-wasting deposits - Landslide deposits (retrogressive thaw flow)	Cc3 * Cc3	703 * Colluvial and mass-wasting deposits - Landslide deposits	892 * Retrogressive thaw flow	3.01.01.155 * Cc: Colluvial and mass-wasting deposits - Landslide deposits (all)		Retrogressive thaw flow deposits		014-043-052-000	220-145-122	GF: Glaciofluvial sediments	p: Outwash plain sediments	Not applicable	7391090 GFp: Glaciofluvial sediments - Outwash plain sediments (all)	GFp * GFp	739 * Glaciofluvial sediments - Outwash plain sediments	909 * Not applicable	3.01.07.249 * GFp: Glaciofluvial sediments - Outwash plain sediments (all)		Glaciofluvial outwash plain sediments		000-022-081-000	254-200-048
C: Colluvial and mass-wasting deposits	a: Landslide deposits	4: Rotational landslide	7031082 Cc4: Colluvial and mass-wasting deposits - Landslide deposits (rotational landslide)	Cc4 * Cc4	703 * Colluvial and mass-wasting deposits - Landslide deposits	894 * Rotational landslide	3.01.01.155 * Cc: Colluvial and mass-wasting deposits - Landslide deposits (all)		Rotational landslide deposits		014-043-052-000	220-145-122	GF: Glaciofluvial sediments	t: Terraced sediments	Not applicable	7411090 GFt: Glaciofluvial sediments - Terraced sediments (all)	GFt * GFt	741 * Glaciofluvial sediments - Terraced sediments	909 * Not applicable	3.01.07.237 * GFt: Glaciofluvial sediments - Terraced sediments (all)		Glaciofluvial terraced sediments		001-026-061-000	253-189-099
C: Colluvial and mass-wasting deposits	a: Landslide deposits	5: Translational landslide	7031083 Cc5: Colluvial and mass-wasting deposits - Landslide deposits (translational landslide)	Cc5 * Cc5	703 * Colluvial and mass-wasting deposits - Landslide deposits	895 * Translational landslide	3.01.01.155 * Cc: Colluvial and mass-wasting deposits - Landslide deposits (all)		Translational landslide deposits		014-043-052-000	220-145-122	GF: Glaciofluvial sediments	f: Outwash fan sediments	1: Subaerial	7981087 GFf1: Glaciofluvial sediments - Outwash fan sediments (subaerial)	GFf1 * GFf1	798 * Glaciofluvial sediments - Outwash fan sediments	899 * Subaerial	3.01.07.225 * GFf: Glaciofluvial sediments - Outwash fan sediments (all)		Glaciofluvial subaerial outwash fan sediments		001-025-047-000	252-190-135
C: Colluvial and mass-wasting deposits	a: Landslide deposits	Unspecified	7031084 Cc: Colluvial and mass-wasting deposits - Landslide deposits (unspecified)	Cc * Cc	703 * Colluvial and mass-wasting deposits - Landslide deposits	896 * Unspecified	3.01.01.155 * Cc: Colluvial and mass-wasting deposits - Landslide deposits (all)		Unspecified landslide deposits		014-043-052-000	220-145-122	GF: Glaciofluvial sediments	f: Outwash fan sediments	2: Subaqueous	7981088 GFf2: Glaciofluvial sediments - Outwash fan sediments (subaqueous)	GFf2 * GFf2	798 * Glaciofluvial sediments - Outwash fan sediments	900 * Subaqueous	3.01.07.225 * GFf: Glaciofluvial sediments - Outwash fan sediments (all)		Glaciofluvial subaqueous outwash fan sediments		001-025-047-000	252-190-135
C: Colluvial and mass-wasting deposits	g: Rock glacier	Not applicable	7041090 Cg: Colluvial and mass-wasting deposits - Rock glacier (all)	Cg * Cg	704 * Colluvial and mass-wasting deposits - Rock glacier	909 * Not applicable	3.01.01.139 * Cg: Colluvial and mass-wasting deposits - Rock glacier (all)		Rock glacier deposits		018-046-004-000	209-137-093	GF: Glaciofluvial sediments	f: Outwash fan sediments	Unspecified	7981084 GFf: Glaciofluvial sediments - Outwash fan sediments (unspecified)	GFf * GFf	798 * Glaciofluvial sediments - Outwash fan sediments	896 * Unspecified	3.01.07.225 * GFf: Glaciofluvial sediments - Outwash fan sediments (all)		Glaciofluvial unspecified outwash fan unspecified		001-025-047-000	252-190-135
C: Colluvial and mass-wasting deposits	v: Veneer	Not applicable	7071090 Cv: Colluvial and mass-wasting deposits - Veneer (all)	Cv * Cv	707 * Colluvial and mass-wasting deposits - Veneer	909 * Not applicable	3.01.01.092 * Cv: Colluvial and mass-wasting deposits - Veneer (all)		Colluvial and mass-wasting veneer deposits	< 2 m. Used to describe colluviated deposits on slopes and valley walls.	011-021-025-000	227-202-192	GF: Glaciofluvial sediments	h: Hummocky sediments	Not applicable	7451090 GFh: Glaciofluvial sediments - Hummocky sediments (all)	GFh * GFh	745 * Glaciofluvial sediments - Hummocky sediments	909 * Not applicable	3.01.07.215 * GFh: Glaciofluvial sediments - Hummocky sediments (all)		Glaciofluvial hummocky sediments	For hummocky ice-contact glaciofluvial sediments.	002-032-049-000	249-173-129
C: Colluvial and mass-wasting deposits	b: Blanket	Not applicable	7061090 Cb: Colluvial and mass-wasting deposits - Blanket (all)	Cb * Cb	706 * Colluvial and mass-wasting deposits - Blanket	909 * Not applicable	3.01.01.095 * Cb: Colluvial and mass-wasting deposits - Blanket (all)		Colluvial and mass-wasting blanket deposits	> 2 m. Used to describe colluviated deposits on slopes and valley walls.	024-045-052-000	194-139-123	GF: Glaciofluvial sediments	i: Ice-contact sediments	Not applicable	7441090 GFi: Glaciofluvial sediments - Ice-contact sediments (all)	GFi * GFi	744 * Glaciofluvial sediments - Ice-contact sediments	909 * Not applicable	3.01.07.217 * GFi: Glaciofluvial sediments - Ice-contact sediments (all)		Glaciofluvial ice-contact sediments	For non-hummocky ice-contact glaciofluvial sediments.	003-043-065-000	247-145-09