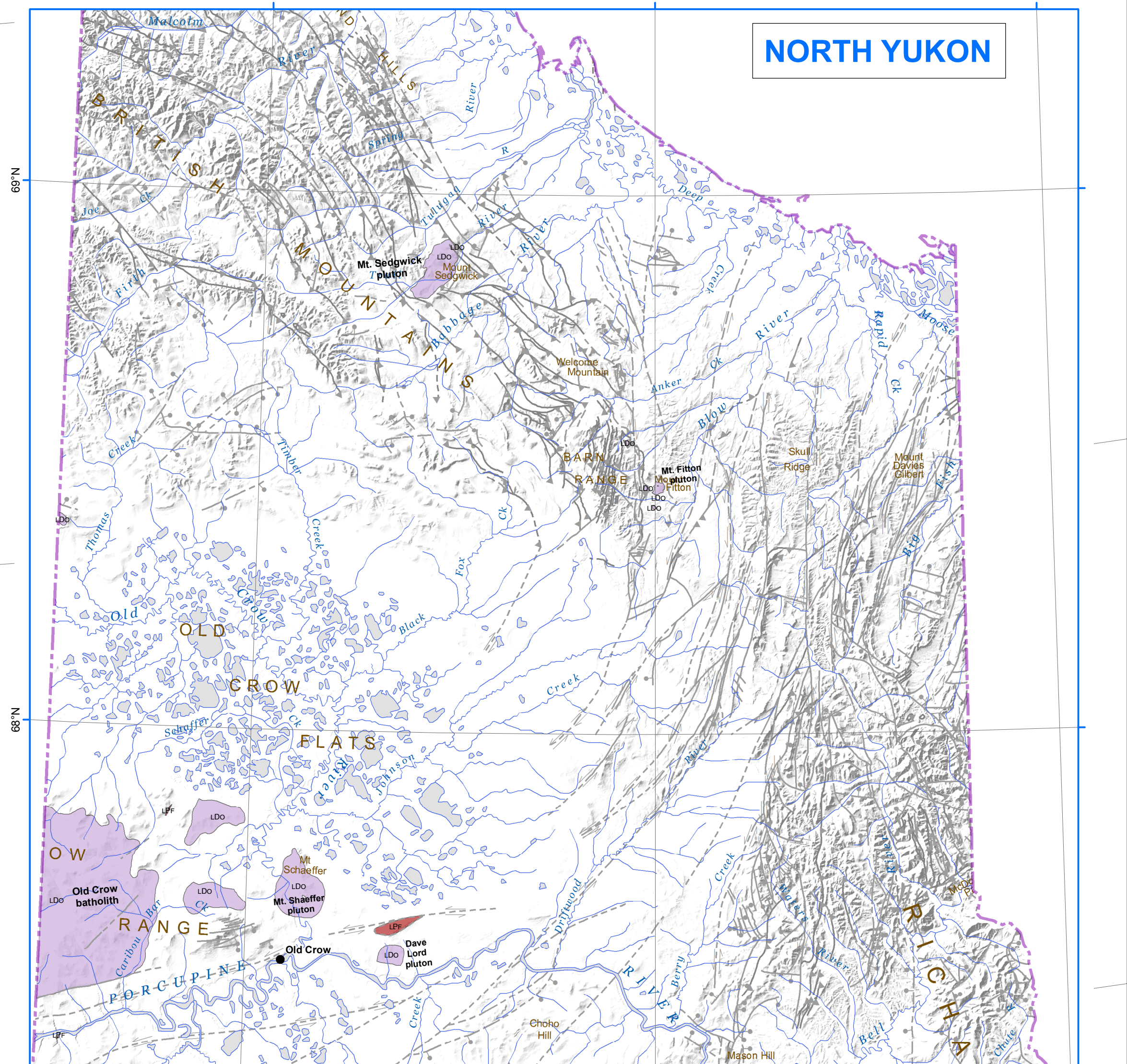
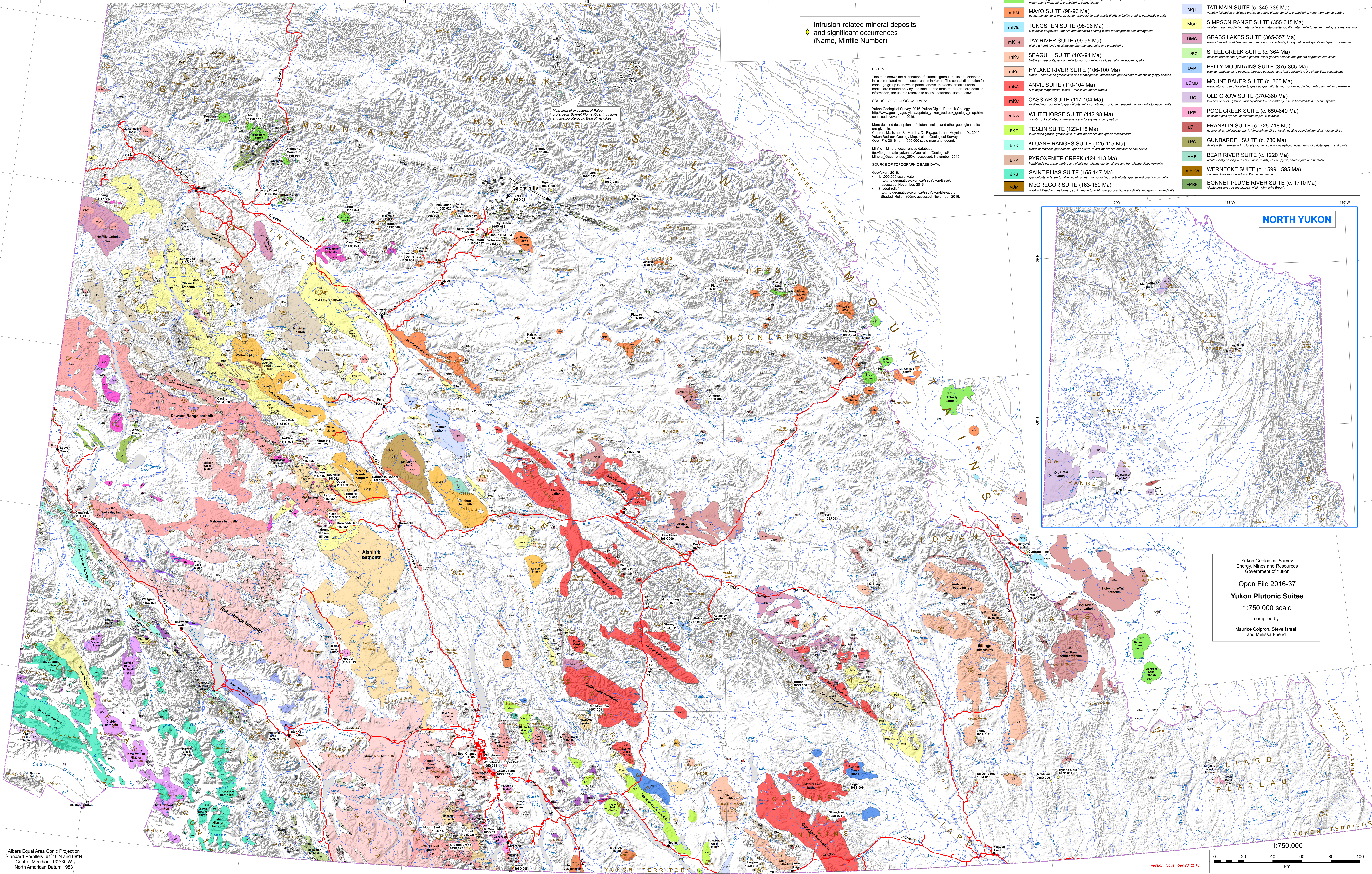


### PLUTONIC SUITES

MW	WRANGELL SUITE (16-6 Ma)	hombroite & biotite gabbro to pyroxene gabbro; diorite and pyroxene gabbro; subvolcanic rocks	MJB	BRYDE SUITE (c. 172-168 Ma)	monzonite to granite; monzonitic quartz monzonite; hornblende; granite to granodiorite; rare gabbro
OT	TKOPE SUITE (34-23 Ma)	basite & monzonitic gabbro; quartz monzonite; quartz diorite and gabbro-diorite	EJL	LONG LAKE SUITE (192-178 Ma)	granodiorite; biotite monzonite & gabbro; various undeveloped pegmatite and aplites phases
EBR	BLACK RIVER SUITE (49-47 Ma)	perovskite; K-feldspar gabbro; biotite monzonite; monzonite to augite gabbro	LEJM	MINTO SUITE (c. 204-194 Ma)	mostly intermediate to basic granitoid rocks but locally grading to syenite or hornblende gabbro
ES	SEWARD SUITE (52-41 Ma)	non-to weakly foliated; biotite-hornblende diorite and granodiorite; rarer granite and quartz diorite	133D	DOGHEAD SUITE (c. 205 Ma)	variously speckled, deformed and metamorphosed peridotite, gabbro and plagiogranite
EH	HAYDEN LAKE SUITE (48-45 Ma)	hornblende & biotite diorite to quartz diorite; rare gabbro; garnet common as 1-10mm crystals	L1a	MOUNT BEATON SUITE (c. 217 Ma)	unfoliated hornblende diorite to hornblende-biotite quartz diorite; locally abundant gabbro
ET	TING SUITE (56-50 Ma)	unfoliated syenite; apatitic rhyolite breccia with inclusions of quartz; volcanic rocks and sandstone	L1b	STIKINE SUITE (c. 216-206 Ma)	hornblende gabbro; hornblende orthogneiss; granite to granodiorite; foliated hornblende quartz diorite to diorite
PR	RUBY RANGE SUITE (64-57 Ma)	granodiorite; quartz monzonite; quartz diorite and biotite porphyries; locally gabbro; biotite monzonite; quartz monzonite	L1c	KLUANE ULTRAMAFIC SUITE (c. 232-228 Ma)	mafic to ultramafic ultrabasic rocks including: basal gabbro; hornblende gabbro and granodiorite aplites
LKq	UNDIVIDED GRANITIODS IN COAST MOUNTAINS	granite; rocks of intermediate composition and probably related plagiogranite	XGS	SNAG CREEK SUITE (232-226 Ma)	hornblende diorite and gabbro; alkali; massive chlorite and locally serpenitized granodiorite aplites
Mp	UNDIVIDED MESOZOIC GRANITIODS	poorly developed granitic rocks of uncertain age including diorite; quartz monzonite and monzonite	XG	GALENA SUITE (240-230 Ma)	hornblende diorite and gabbro; alkali; massive chlorite and locally serpenitized granodiorite aplites
LKM	MCQUESTEN SUITE (67-64 Ma)	locally porphyritic and K-feldspar megacrystic biotite-muscovite granite and quartz monzonite	JKM	JOE MOUNTAIN SUITE (c. 240 Ma)	coarse-grained to pegmatitic hornblende gabbro and diorite
LKP	PROSPECTOR MTN SUITE (72-68 Ma)	quartz monzonite; granite; quartz monzonite and granodiorite to quartz diorite; rare gabbro-diorite; quartz-feldspar porphyry; syenite	CPK	CACHE CREEK SUITE (c. 245 Ma)	hornblende gabbro; hornblende orthogneiss; granite; quartz diorite; orthogneiss; apatite
LKC	CASINO SUITE (79-74 Ma)	hornblende-biotite biotite monzonite and quartz diorite and quartz-feldspar porphyry	PS	SULPHUR CREEK SUITE (264-252 Ma)	variously foliated augen granite; megacrystic; hornblende gabbro; granodiorite and quartz monzonite
LKR	RANCHERIA SUITE (82-77 Ma)	biotite monzonite; biotite monzonite; biotite granodiorite; biotite gabbro; biotite monzonite	CP	ICEFIELD RANGES SUITE (308-285 Ma)	quartz monzonite-quartz diorite-diorite; vein-intersected by aegirine-bearing granodiorite and quartz syenite
mKt	TOMBSTONE SUITE (94-90 Ma)	dominated by granite; quartz; quartz syenite; monzonite; chlorite porphyries; diorite; pauciclastic; minor quartz monzonite; granodiorite; quartz diorite	PKK	KELLY SUITE (335-310 Ma)	strongly foliated; equigranular hornblende & biotite tonalite; hornblende diorite to granodiorite
mKa	MAYO SUITE (98-93 Ma)	biotite monzonite; biotite monzonite; quartz diorite and quartz-feldspar porphyry	MaT	TATLAIN SUITE (c. 340-336 Ma)	strongly foliated; orthogneiss; quartz monzonite; hornblende gabbro; minor hornblende gabbro
mKtU	TUNGSTEN SUITE (98-96 Ma)	K-feldspar porphyry; clinite and monzonite-bearing biotite monzonite and augite gabbro	MSR	SIMPSON RANGE SUITE (355-345 Ma)	foliated metagabbro; metabasite and metagabbro; locally interfoliated to augen granite; rare metagabbro
mKTr	TAY RIVER SUITE (99-95 Ma)	granite & monzonite; orthogneiss and granodiorite	DMG	GRASS LAKES SUITE (365-357 Ma)	mainly basalt; K-feldspar augen granite and granodiorite; locally unfoliated syenite and quartz monzonite
mKS	SEAGULL SUITE (103-94 Ma)	basite & muscovite; augite gabbro; quartz monzonite; quartz diorite; locally partially developed rapakivi	LDSC	STEEL CREEK SUITE (c. 364 Ma)	massive hornblende-pyroxene gabbro; minor gabbro-diorite and gabbro-pegmatite intertongues
mKH	HYLAND RIVER SUITE (106-100 Ma)	biotite & hornblende granodiorite and monzonite; subordinate granodiorite to dioritic porphyry phases	DYP	PELLY MOUNTAINS SUITE (375-365 Ma)	syenite; gabbro to mafic orthogneiss; monzonite equivalent to basic volcanic rocks of the Eum suture zone
mKa	ANVIL SUITE (110-104 Ma)	K-feldspar megacrystic; biotite & muscovite monzonite	LDMB	MOUNT BAKER SUITE (c. 365 Ma)	metabasite; biotite monzonite; quartz monzonite; quartz diorite; gabbro and minor pyroxene
mKc	CASSIAR SUITE (117-104 Ma)	ultramylonite to granodiorite; minor quartz monzonite; reduced monzonite to augite gabbro	LDO	OLD CROW SUITE (370-360 Ma)	augite-biotite granite; variably altered; leucocratic syenite to hornblende metapelite gabbro
mKw	WHITEHORSE SUITE (112-98 Ma)	granite; rock of basic, intermediate and locally acidic composition	LPp	POOL CREEK SUITE (c. 650-640 Ma)	unfoliated pink granite; dominated by pink K-feldspar
EKT	TESLIN SUITE (123-115 Ma)	augite-biotite granite; quartz diorite; quartz monzonite and quartz monzonite	FRP	FRANKLIN SUITE (c. 725-718 Ma)	gabbro aplites; pyroxene-phyric amphibolite aplites; locally hosting abundant xenoliths; diorite aplites
EKK	KLUANE RANGES SUITE (125-115 Ma)	biotite hornblende granodiorite; quartz diorite; quartz monzonite and hornblende diorite	LPg	GUNBARREL SUITE (c. 780 Ma)	various other Tachyphreus Fe; locally diorite to pegmatite; syenite; hosts veins of vesicle, quartz and pyrite
EKP	PYROXENITE CREEK (124-113 Ma)	granodiorite to basic-mafic; locally quartz monzonite; quartz diorite; granite and quartz monzonite	MEB	BEAR RIVER SUITE (c. 1220 Ma)	diorite; locally hosting veins of basaltic; quartz diorite; quartz monzonite; orthogneiss and hornblende
JKS	SAINT ELIAS SUITE (155-147 Ma)	hornblende pyroxene gabbro and coarse hornblende diorite; diorite and hornblende chlorite-syenite	m2gn	WERNECKE SUITE (c. 1599-1595 Ma)	diorite aplites associated with Wernecke Breccia
MJB	MCGREGOR SUITE (163-160 Ma)	weakly foliated to unfoliated; equigranular to K-feldspar porphyritic; granodiorite and quartz monzonite	EPp	BONNET PLUME RIVER SUITE (c. 1710 Ma)	diorite preserved as megacrysts within Wernecke Breccia

Intrusion-related mineral deposits and significant occurrences (Name, Minfile Number)

NOTES  
 This map shows the distribution of plutonic igneous rocks and selected intrusion-related mineral occurrences in Yukon. The spatial distribution for each age group is shown in panels above. In places, small plutonic bodies are marked only by unit labels on the main map. For more detailed information, the user is referred to source databases listed below.  
 SOURCE OF GEOLOGICAL DATA:  
 Yukon Geological Survey, 2016. Yukon Digital Bedrock Geology. [http://www.geology.yukon.ca/geopage/yukon\\_bedrock\\_geology\\_map.html](http://www.geology.yukon.ca/geopage/yukon_bedrock_geology_map.html), accessed: November, 2016.  
 More detailed descriptions of plutonic suites and other geological units are given in:  
 Colpron, M., Israel, S., Murphy, D., Pidgeon, L. and Mounihan, D., 2016. Yukon Bedrock Geology Map. Yukon Geological Survey. Open File 2016-37, 1:1,000,000 scale map and legend.  
 SOURCE OF TOPOGRAPHIC BASE DATA:  
 GeoYukon, 2016.  
 • 1:1,000,000 scale water – <http://ftp.geomatics.yukon.ca/GeoYukon/Basic/>, accessed: November, 2016.  
 • Shaded relief – [http://ftp.geomatics.yukon.ca/GeoYukon/Vector/Shaded\\_Relief\\_300m/](http://ftp.geomatics.yukon.ca/GeoYukon/Vector/Shaded_Relief_300m/), accessed: November, 2016.



Yukon Geological Survey  
 Energy, Mines and Resources  
 Government of Yukon  
 Open File 2016-37  
**Yukon Plutonic Suites**  
 1:750,000 scale  
 compiled by  
 Maurice Colpron, Steve Israel  
 and Melissa Friend