Figure 1: Geology of the Flavrian and Powell plutons ROCK UNITS Keweenawan-type diabase dykes METAL SYMBOLS Ra. VI F: Felsitic dykes and plugs Au, Cu, Mo, Zn: Mines and mineralized L. Nora D: Dioritic dykes (from Qué, Dept. Nat. (JX: St. Jude Breccia (west central Flavrian pluton only) Res. Map 1653, 1968) TX: Tonalitic breccia (all other areas of breccia) Ra.V (TN: Nora Leucotonalité (N.E. Flavrian pluton only) DIP SYMBOLS T: Undifferentiated tonalitic rocks - \$, - \$, \$, ₩? : TH: Hybrid tonalitic rocks Intrusive contacts (inclined, steep, MD: Méritens Diorite vertical, vertical ± 45° (from Ra. IV drillhole data), horizontal, HM: Héré Melatonalite probably horizontal) A: Felsic volcanic rocks Blake River Group mlm, X, 8, 8 : B: Mafic volcanic rocks Bedding, tops known (inclined, horizontal, overturned, dip unknown) Bedding, tops unknown Ra. II (inclined, vertical) Geological boundary (defined, approximate) / Bedding, general trend FLAVRIAN canton canton Dufresnoy twp Duprat two Primary flow structures (inclined, vertical) Beauchastel twp Rouyn twp. Ra. X Mo. -- MANAMAMAMA Fault s, m : Dip (steep, moderate) LOCATION MAP Ra. IX Ra.VIII NORANDA Ra. VII MILES NORANDA Ra. VI Scale: 1 inch to 1 mile or 1:63,360 The topographic base for this map is Guebec Department of Natural Resources Map 1653 (1968) Ministère des Richesses Naturelles, Québec Geology by R. Goldie, 1972; B. Kotila and R. Goldie, 1973 Cartography by J. Keenan, 1974 BOCUMENTATION TECHNIQUE No DP-268

Figure 2: Minor intrusions and pyritic rocks in and near the Flavrian and Powell plutons METAL SYMBOLS Rocks intruded by dioritic (D) dykes Ra. VI Au, Cu, Mo, Zn; Mines and mineralized Rocks intruded by felsitic (F) dykes areas. L. Nora (from Qué, Dept. Nat. Rocks intruded by felsitic (F) plugs and dykes. Res. Map 1653, 1968) F characteristically comprises about half of the exposed areas. Ra.V DIP SYMBOLS -\$-,-\$-,-\$-, ₩, ₩? : Rocks rich in pyrite Intrusive contacts (inclined, steep, vertical, vertical ± 45° (from drillhole data), horizontal, probably horizontal) L. Dupret 1,X,8,8: Bedding, tops known (inclined, horizontal, overturned, dip unknown) Bedding, tops unknown Geological boundary (defined, approximate) (inclined, vertical) Medding, general trend Ra. I FLAVRIAN canton inton Duprat twp. ufresnoy twp. Primary flow structures canton PLUTON (inclined, vertical) Beauchastel lwp. - AMAMAMAMAMA Fault s, m: Dip (steep, moderate) LOCATION MAP Ra. IX Ra.VIII POWELL PLUTON NORANDA Ra. VII MILES NORANDA Ra.VI Scale: 1 inch to 1 mile or 1:63,360 The topographic base for this map is Quebec Department of Natural Resources Map 1653 (1968) Ministère des Richesses Naturelles, Québec Geology by R. Goldie, 1972; B. Kotila and R. Goldie, 1973 Cartography by J. Keenan, 1974 DOCUMENTATION YECHROLE DP-268