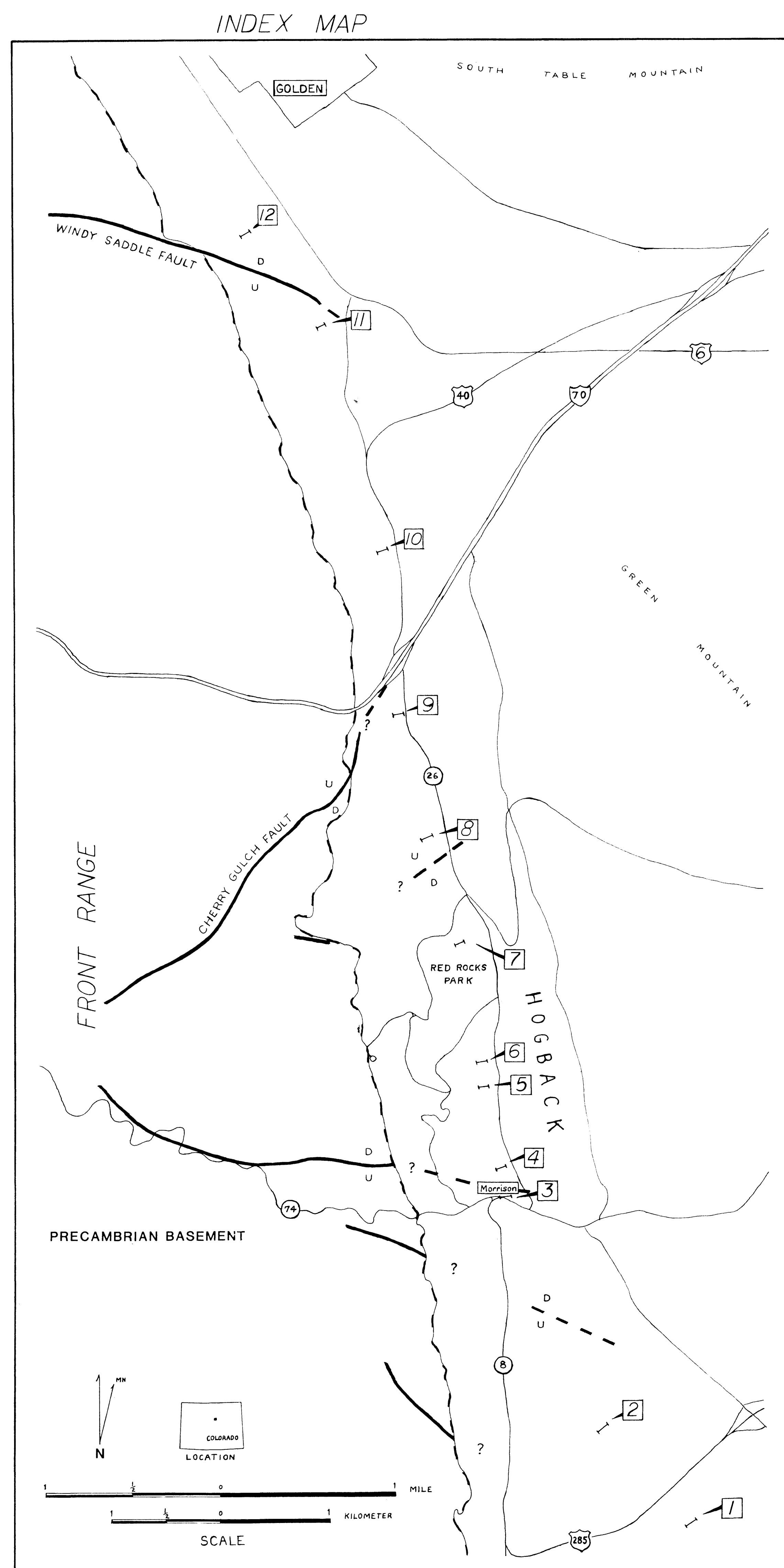


PLATE 1

CORRELATION OF STRATIGRAPHIC SECTIONS

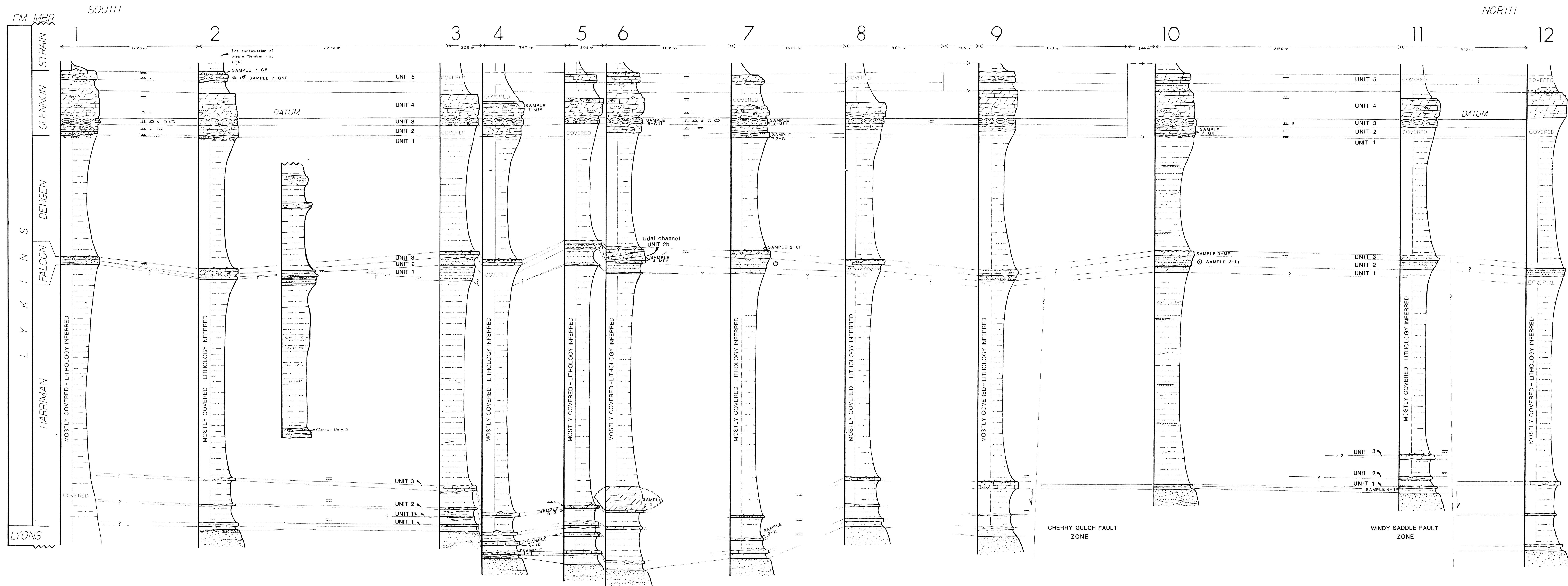


EXPLANATION

STRATIGRAPHIC SECTION
FAULT
INFERRED FAULT
PRECAMBRIAN-FOUNTAIN CONTACT

ROADS
INTERSTATE ROUTE
US. ROUTE
STATE ROUTE

Basement faults from: Smith, 1864; Gable, 1968; Scott, 1972; Welmer and Erickson, 1970



LITHOLOGY AND TEXTURE		SEDIMENTARY STRUCTURES		FOSSILS	STROMATOLITE MORPHOLOGIES
claystone	calcite algal boundstone	tepee structures	bivalves	high-spined gastropods	Profile stratiform-flat, undulose to wavy
silty claystone	dolomitic algal boundstone	desiccation cracks	foraminifera		
siltstone	dolomite algal boundstone	ripple marks			
arenaceous siltstone	calcite zebra texture	small-scale trough cross-stratification			Lateral Linkage of Laminae linked unlinked
calcareous siltstone	intraclastic grainstone	large-scale trough cross-stratification			
dolomitic siltstone	gypsum	small-scale planar cross-stratification			
conglomeratic sandstone		disrupted algal laminae			Plan View circular to elliptical oblong
		evaporite solution breccias			
		chert			
		carbonate intraclastic breccias			
		carbonate intraclastic pavement			
		fenestral fabric			