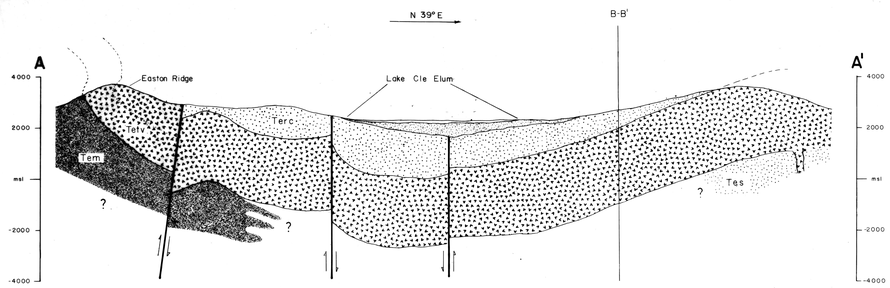

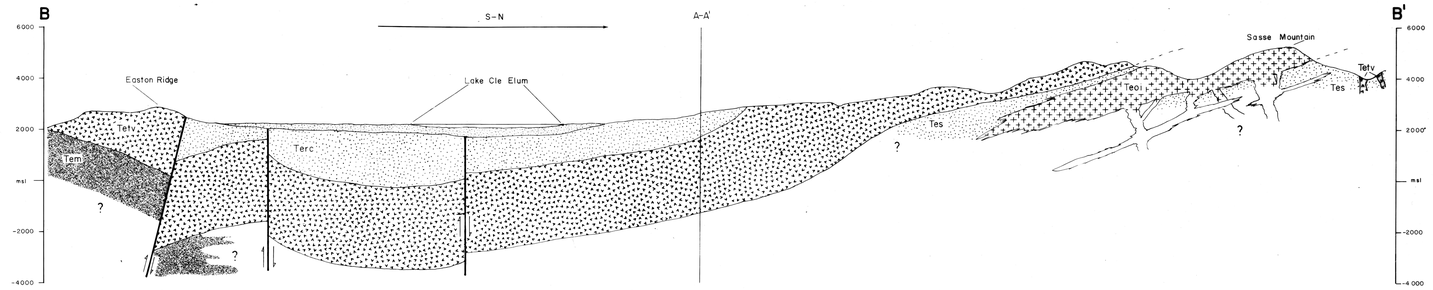

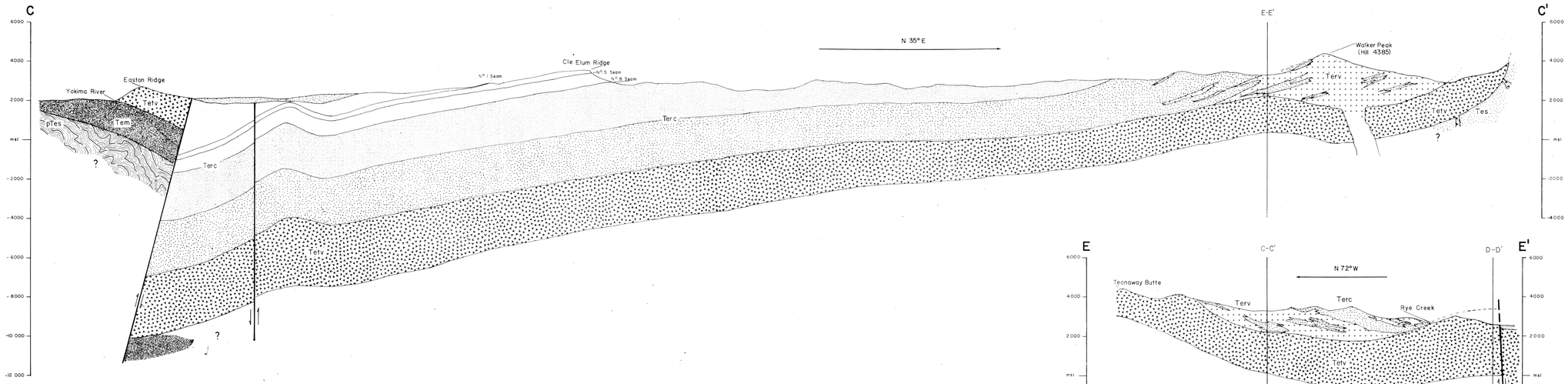

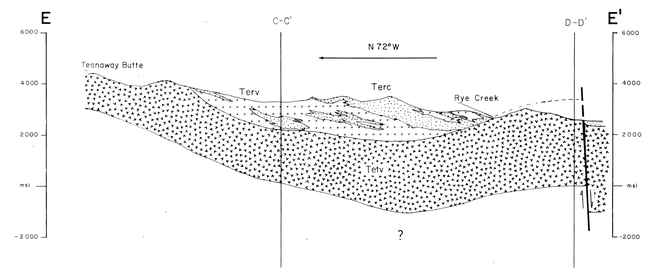

CROSS SECTIONS

CROSS SECTION LOCATIONS ON MAP IA

EXPLANATION

Age in m.y.		FORMATION	
Quaternary		Qal	Alluvium and colluvium, undifferentiated. Loess, fill, outwash, glacial drift, etc. Boulders to clay.
Eocene Intrusive		Tei	Dacite to andesite porphyry. Forms stocks, dikes, and sills
40		ROSLYN	UPPER MEMBER or "Coal Measures". Medium to fine grained subarkosic sandstones, siltstones and shales. Coal seams compose ~10% of member.
	Terc		MIDDLE MEMBER. Similar to upper member but contains less coal.
45	Terc		LOWER MEMBER. Conglomerate to medium grained subarkosic and tuffaceous sandstones with some ferruginous shales and minor coal beds. Includes Terv which consists of rhyolite flows interbedded with sandstones, shales and coals. Rhyolite dikes.
EOCENE		TEANAWAY BASALT	Primarily basaltic pyroclastic material with subordinate basaltflows, sandstones, shales and coals.
48			ANGULAR UNCONFORMITY
	Tes	SWAUK	Conglomerate to medium grained subarkosic sandstones, with some shales and coals. Cut by Teanaway dikes. Exposed north of the Yakima River.
		MANASTASH	Medium to fine grained sandstones, with siltstones, shales and coal. Exposed south of the Yakima River.
54			ANGULAR UNCONFORMITY
Pre-Tertiary	Tem	EASTON SCHIST	Greenschist and blue amphibolite schists.

FAULT with direction of movement

N°1 Seam — COAL SEAM designations

2000 msl — Vertical scale in feet; Mean sea level

SCALE 1/24,000 Horizontally & vertically

1" = 2000'

0 1000' 2000' 3000'

0 1/4 1/2 1 Mile

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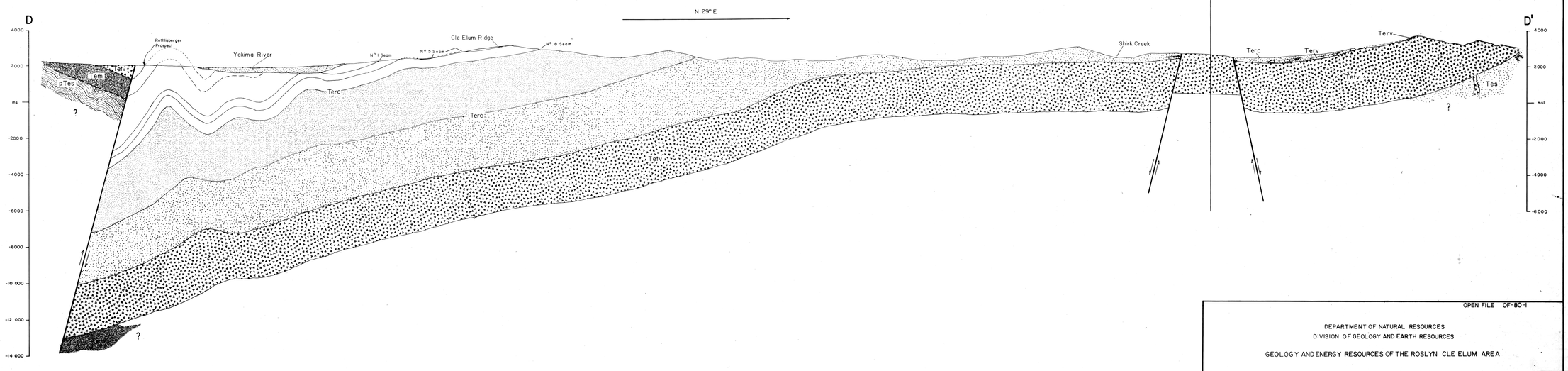

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DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGY AND EARTH RESOURCES

GEOLOGY AND ENERGY RESOURCES OF THE ROSLYN CLE ELUM AREA

KITTITAS COUNTY, WASHINGTON

By

CHARLES W. WALKER

1980

OFR 80-1 Plate 1