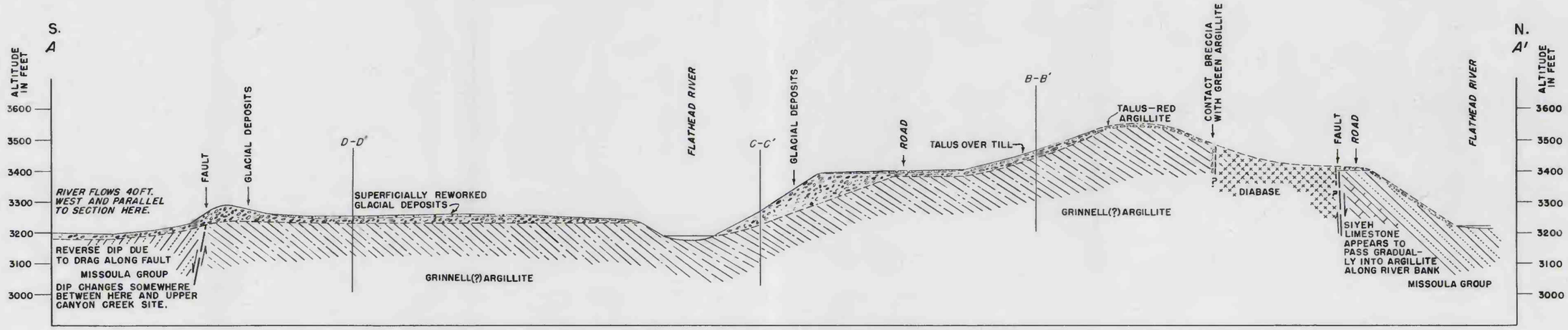
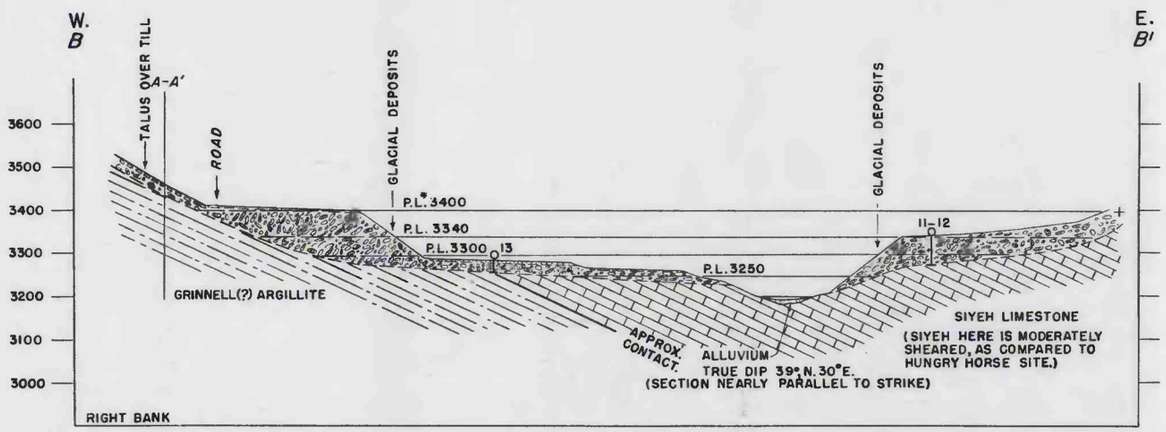
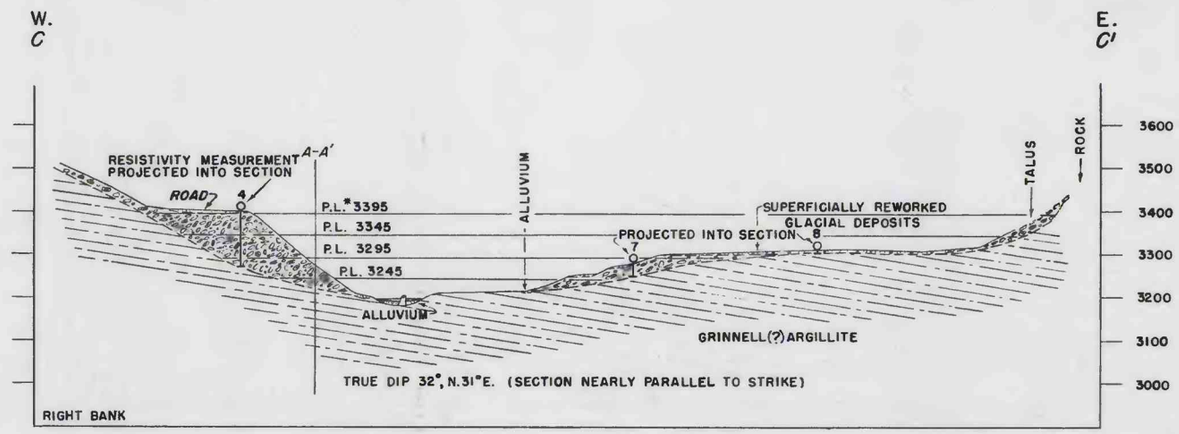
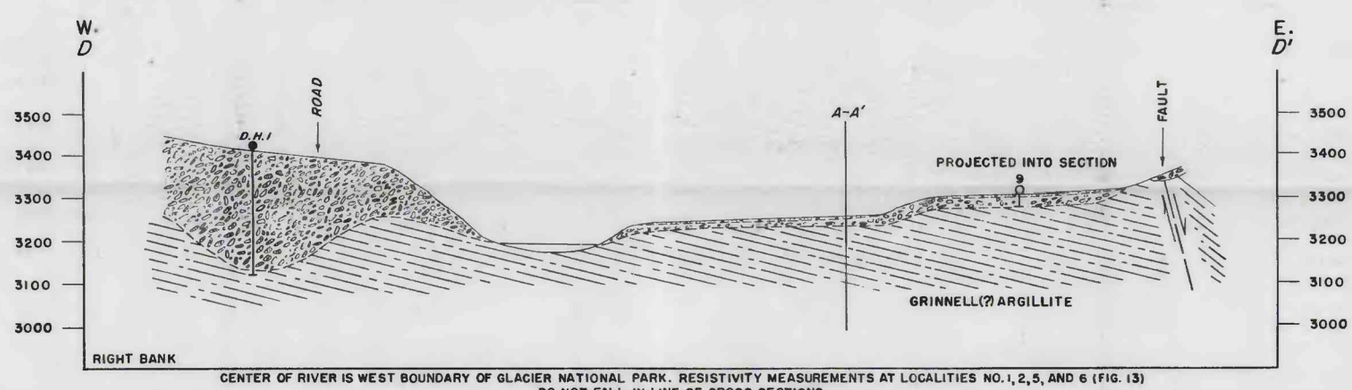


SECTION SHOWING GEOLOGIC STRUCTURE OF DAM SITE AREA







CENTER OF RIVER IS WEST BOUNDARY OF GLACIER NATIONAL PARK. RESISTIVITY MEASUREMENTS AT LOCALITIES NO. 1, 2, 5, AND 6 (FIG. 13) DO NOT FALL IN LINE OF CROSS SECTIONS

COMPARISON OF DAM SECTIONS

SECTION B—B'									SECTION C—C'								
ALTITUDE OF POOL LEVEL	APPROX. ALTITUDE C.B.†	ELEV. P.L.* ABOVE C.B.†	WIDTH VALLEY AT POOL LEVEL			AREA (SQ. FT.)			ALTITUDE OF POOL LEVEL	APPROX. ALTITUDE C.B.†	ELEV. P.L. ABOVE C.B.†	WIDTH VALLEY AT POOL LEVEL			AREA (SQ. FT.)		
			OPEN	COVERED	TOTAL	OPEN	COVERED	TOTAL				OPEN	COVERED	TOTAL	OPEN	COVERED	TOTAL
3250	3185	65	360	350	710	11,515	5,700	17,215	3245	3185	60	530	270	800	17,180	6,600	23,780
3300	3185	115	1070	580	1650	48,000	34,100	82,100	3295	3185	110	800	420	1220	51,750	23,800	75,550
3340	3185	155	1180	790	1970	93,940	62,500	156,440	3345	3185	160	1690	280	1970	121,300	43,400	164,700
3400	3185	215	1760	420	2180	187,270	93,300	280,570	3395	3185	210	1850	290	2140	211,200	57,600	268,800

* P.L. INDICATEB POOL LEVEL OF RESERVOIR †C.B. INDICATES CHANNEL BOTTOM (TOP OF BEDROCK)

PRELIMINARY

GEOLOGIC CROSS SECTIONS

FOOL HEN DAM SITE, FLATHEAD RIVER

N. ½ SEC. 23, T. 32 N., R. 20 W., FLATHEAD COUNTY, MONTANA

0 100 200 400 600 800 FEET

ALL VIEWS UPSTREAM

C. E. ERDMANN

725605 O - 47 (In pocket)