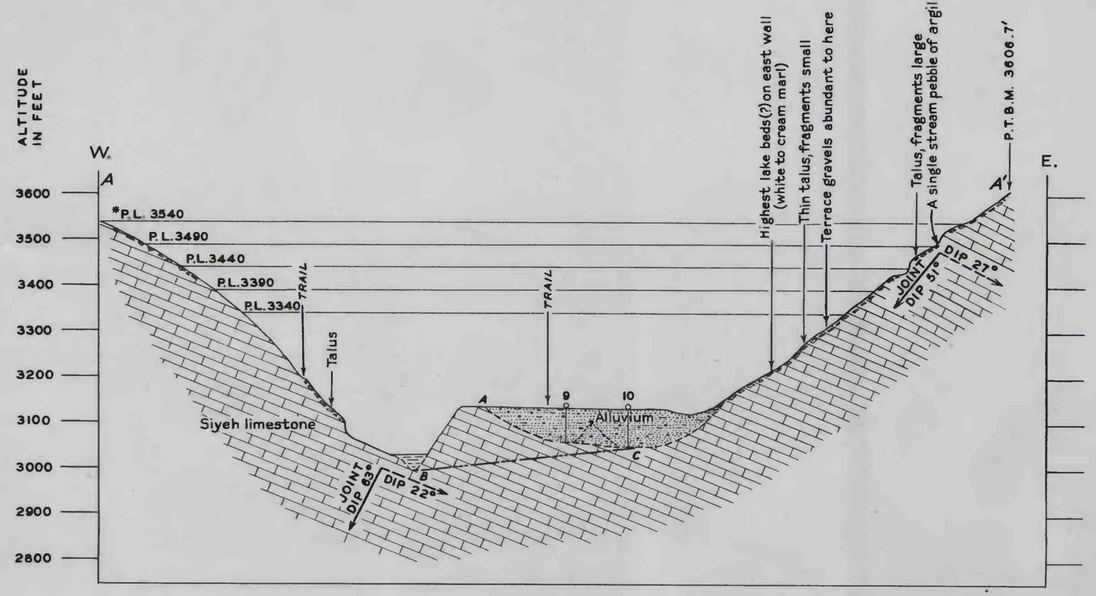
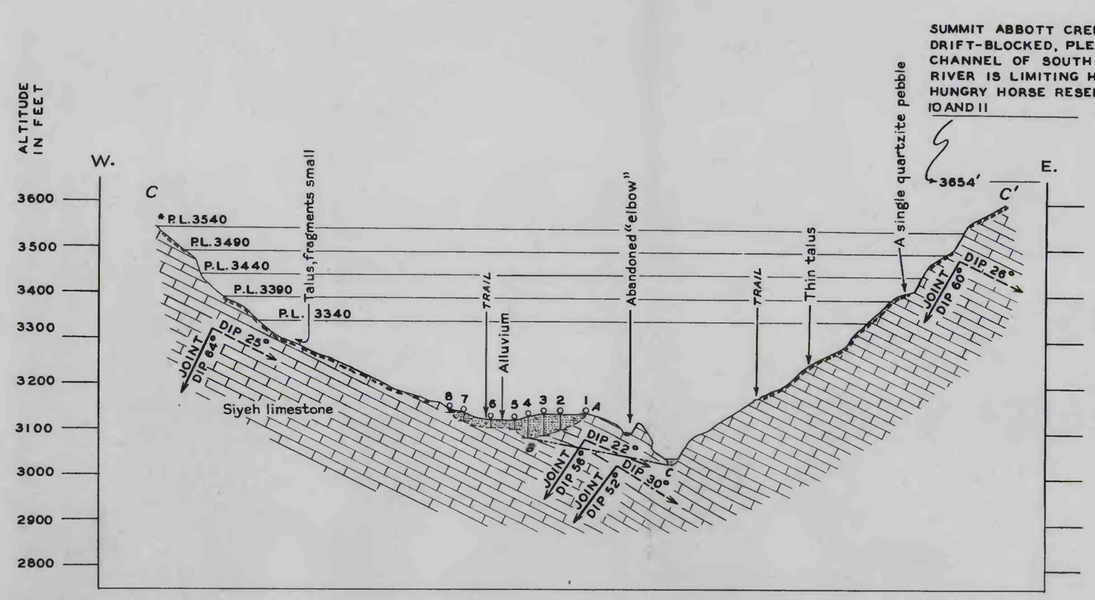




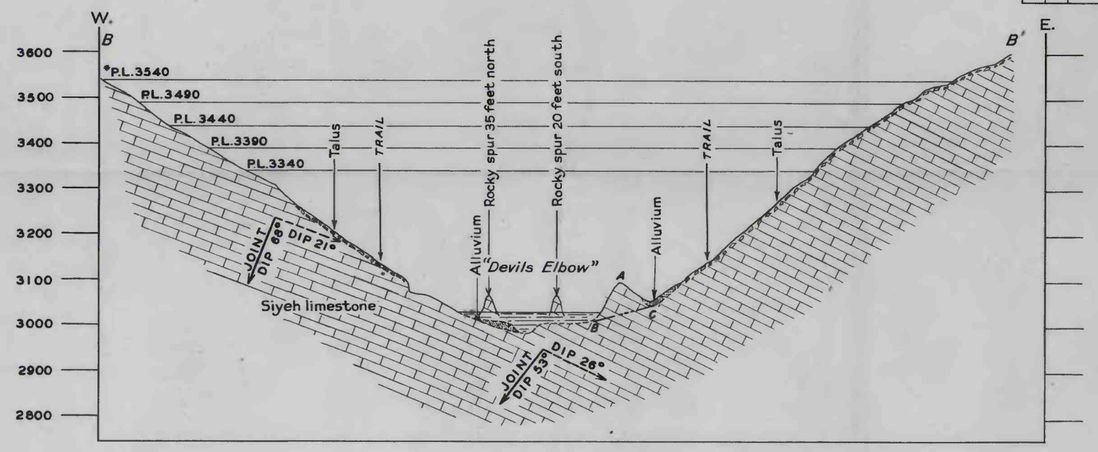
SUMMIT ABBOTT CREEK DIVIDE ON DRIFT-BLOCKED, PLEISTOCENE CHANNEL OF SOUTH FORK FLATHEAD RIVER IS LIMITING HEIGHT OF HUNGRY HORSE RESERVOIR. SEE PLATES 10 AND 11

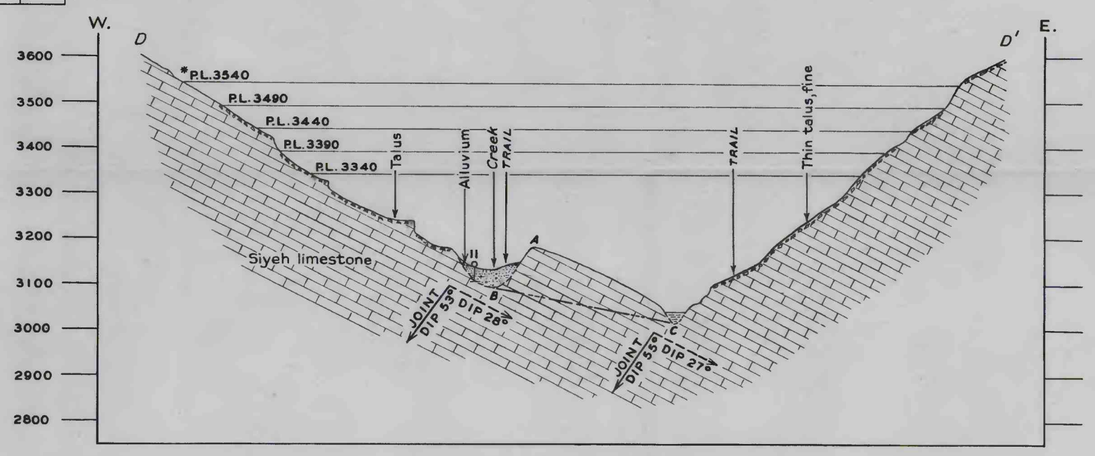
EXPLANATION

6 — RESISTIVITY MEASUREMENT NUMBERS CORRESPOND TO LOCATIONS ON AREAL MAP, PLATE 8

JOINT DIP 51° — DIRECTION AND DIP OF SOME OF THE WEST-DIPPING MASTER JOINTS. SEE FIG. 5 FOR OTHER JOINTS.

100 0 500 FEET





COMPARISON OF DAM SECTIONS

SECTION (SEE PL.8)	A-A'								B-B'								C-C'								D-D'							
ALTITUDE OF POOL LEVEL	APPROX. ALTITUDE CHANNEL BOTTOM	ELEV. P.L.* ABOVE CHANNEL BOTTOM	LENGTH DAM AT POOL LEVEL	AREA (SQ.FT.) OPEN	BURIED (GRAVEL)	TOTAL	A-B-C†	GRAND TOTAL	APPROX. ALTITUDE CHANNEL BOTTOM	ELEV. P.L.* ABOVE CHANNEL BOTTOM	LENGTH DAM AT POOL LEVEL	AREA (SQ.FT.) OPEN	BURIED (GRAVEL)	TOTAL	A-B-C†	GRAND TOTAL	APPROX. ALTITUDE CHANNEL BOTTOM	ELEV. P.L.* ABOVE CHANNEL BOTTOM	LENGTH DAM AT POOL LEVEL	AREA (SQ.FT.) OPEN	BURIED (GRAVEL)	TOTAL	A-B-C†	GRAND TOTAL	APPROX. ALTITUDE CHANNEL BOTTOM	ELEV. P.L.* ABOVE CHANNEL BOTTOM	LENGTH DAM AT POOL LEVEL	AREA (SQ.FT.) OPEN	BURIED (GRAVEL)	TOTAL	A-B-C†	GRAND TOTAL
3,540	2,990	550	1,895	556,630	37,575	594,205	27,270	621,475	2,985	555	1,860	570,300	2,420	572,720	4,240	576,960	3,020	520	1,760	532,730	8,480	541,210	14,545	555,755	3,020	520	1,705	492,120	4,240	496,360	26,665	523,025
3,490	2,990	500	1,730	464,510	37,575	502,085	27,270	529,355	2,985	505	1,680	483,630	2,420	486,050	4,240	490,290	3,020	470	1,665	444,840	8,480	453,330	14,545	467,875	3,020	470	1,590	410,300	4,240	414,540	26,665	441,205
3,440	2,990	450	1,600	383,905	37,575	421,480	27,270	448,750	2,985	455	1,535	401,810	2,420	404,230	4,240	408,470	3,020	420	1,580	367,880	8,480	376,360	14,545	390,905	3,020	420	1,440	334,545	4,240	338,785	26,665	365,450
3,390	2,990	400	1,460	307,395	37,575	344,970	27,270	372,240	2,985	405	1,385	328,480	2,420	330,900	4,240	335,140	3,020	370	1,470	289,090	8,480	297,570	14,545	312,115	3,020	370	1,325	263,630	4,240	267,870	26,665	294,535
3,340	2,990	350	1,330	249,485	37,575	287,065	27,270	314,335	2,985	355	1,255	263,030	2,420	265,450	4,240	269,690	3,020	320	1,340	220,000	8,480	228,480	14,545	243,025	3,020	320	1,205	199,400	4,240	203,640	26,665	230,305

* P.L. INDICATES POOL LEVEL OF RESERVOIR. † A-B-C INDICATES CROSS-SECTIONAL AREA OF RIDGE IN FOUNDATION - POSSIBLE ROCK EXCAVATION.

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GEOLOGIC CROSS SECTIONS, HUNGRY HORSE DAM SITE