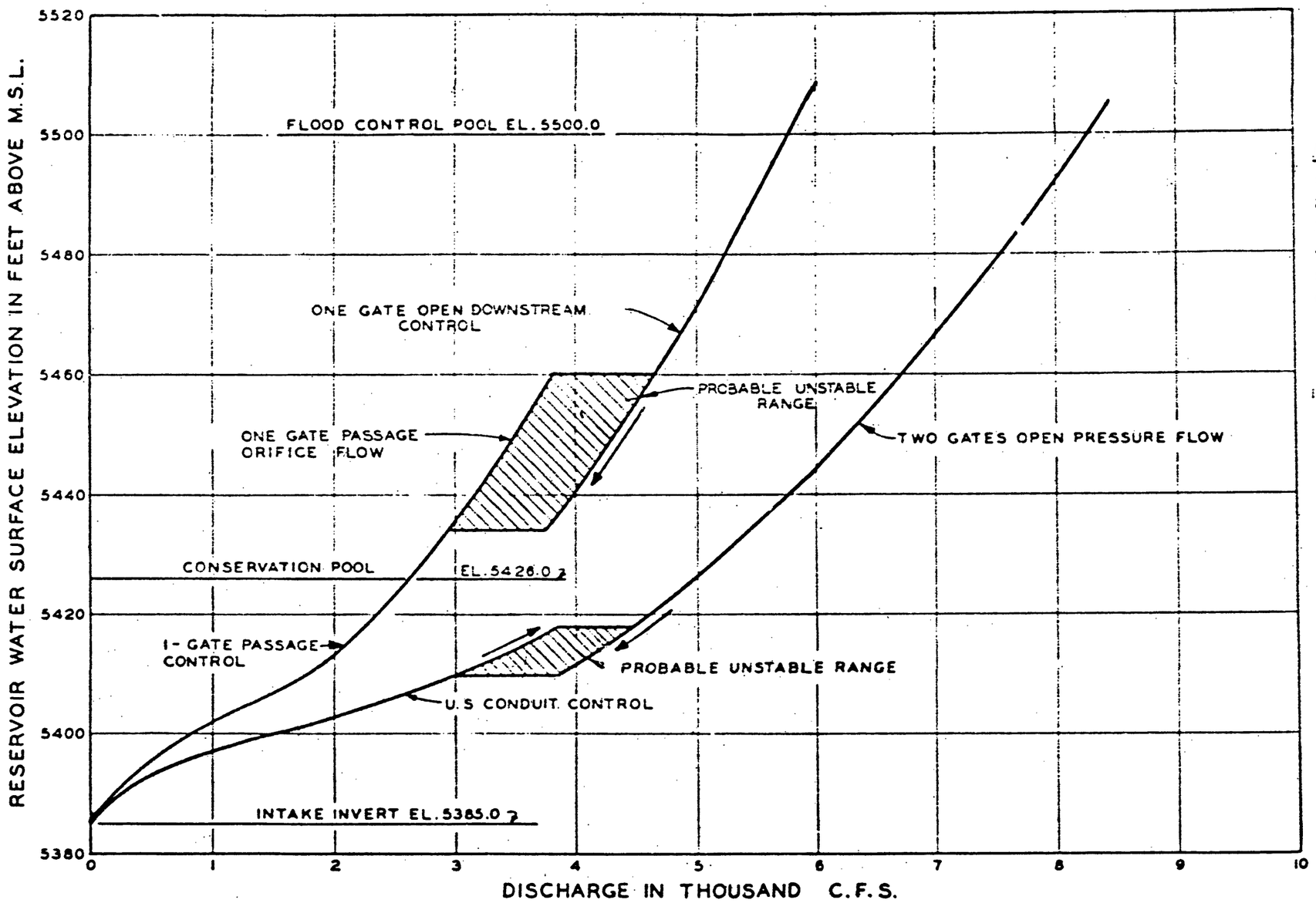

DATA:

1	OBLONG CONDUIT	10' X 15.5'
2	INTAKE INVERT ELEVATION	5385.0
3	CONDUIT LENGTH L =	767 FT.
4	EXIT PORTAL INVERT ELEVATION	5375.0
5	MANNINGS "N" VALUE =	0.012
6	ENTRANCE LOSS COEFF K_e =	0.211 (2 GATES)
7	DISCHARGE EQUATION $Q = 775.33\sqrt{H}$	(2 GATES)
8	ENTRANCE LOSS COEFF K_e =	2.187 (1 GATE)
9	DISCHARGE EQUATION $Q = 546.71\sqrt{H}$	(1 GATE)
13	ORIFICE FLOW COEFF	C = 0.822

SOUTH PLATTE RIVER, COLORADO
CHATFIELD DAM AND RESERVOIR
OUTLET WORKS
DISCHARGE RATING CURVE
10' x 15.5' OBLONG CONDUIT

U.S. ARMY ENGINEER DISTRICT, OMAHA
CORPS OF ENGINEERS, OMAHA, NEBRASKA

JUNE 1967