

TABLE F-1.—ALTERNATIVE PLANS OF DEVELOPMENT, PROJECT AND ECONOMIC DATA
[Legend: SC—Salinity control; P(C)—Power, conventional; P(PS)—Power, pumped storage]

Plan No.	1	2	3	4	5	6	7	8
PROJECT DATA								
Purpose in addition to flood control, water supply, water quality control, and recreation.....	None	None	None	None	SC	SC	SC	SC
Elevations, mean sea level:								
Salem Church:	232	237.0	250.5	268	232	237	250.5	268
Top of closed spillway gates.....	213	220.0	240.0	260	213	220	240.0	260
Maximum conservation pool.....	152	(1)	(1)	251	148	(1)	(1)	250
Minimum conservation pool.....								
Fredericksburg, crest of ungated spillway.....								
Storage at Salem Church, acre-feet:	256,000	256,000	256,000	256,000	256,000	256,000	256,000	256,000
Flood control.....	300,000	300,000	300,000	300,000	314,000	314,000	314,000	314,000
Low flow regulation and power.....	82,000	163,000	492,000	1,060,000	74,000	148,000	478,000	1,046,000
Inactive.....								
Power at Salem Church:	0	0	0	0	0	0	0	0
Installed capacity, kilowatt.....								
Average annual dependable capacity, kilowatt.....								
Average annual generation, million kilowatt-hours.....								
ECONOMIC DATA								
Investment, \$1,000:								
Salem Church.....	\$43,180	\$46,453	\$59,199	\$81,889	\$43,180	\$46,453	\$59,199	\$81,889
Fredericksburg.....	0	0	0	0	0	0	0	0
Total.....	43,180	46,453	59,199	81,889	43,180	46,453	59,199	81,889
Average annual charges, \$1,000:								
Interest.....	1,349	1,452	1,850	2,559	1,349	1,452	1,850	2,559
Amortization.....	65	70	89	124	65	70	89	124
Operation and maintenance.....	406	435	457	540	406	435	457	540
Major replacements.....	78	80	87	96	78	80	87	96
Land productivity loss.....	34	38	55	100	34	38	55	100
Total.....	1,932	2,075	2,538	3,419	1,932	2,075	2,538	3,419
Average annual benefit, \$1,000:								
Flood control.....	157	157	157	157	157	157	157	157
Water supply.....	340	340	340	340	340	340	340	340
Water quality control.....	607	607	607	607	607	607	607	607
Recreation.....	2,430	2,800	3,560	4,000	1,480	1,930	3,100	3,630
Salinity control.....	0	0	0	0	1,490	1,490	1,490	1,490
Power.....	0	0	0	0	0	0	0	0
Total.....	3,534	3,904	4,664	5,104	4,074	4,544	5,684	6,224
Average annual net benefits, \$1,000.....	1,602	1,829	2,126	1,685	2,142	2,469	3,155	2,805
Benefit/cost ratio.....	1.8	1.9	1.8	1.5	2.1	2.2	2.2	1.8