

TECHNICAL DATA
Structure #19
Waynesboro Nursery
 South River Watershed (Potomac Basin), Augusta County, Virginia

Drainage Area		ac.	1825
		sq. mi.	2.85
Dam	Height	ft.	31.5
	Length	ft.	815
	Top Width	ft.	14
	Side Slopes		2.5:1
	Volume of Fill	cyds.	58,600
Principal Spillway	Diameter	in.	24
	Length	ft.	196
Emergency Spillway	Width	ft.	100
	Maximum depth allowed in emergency spillway	ft.	4.5
	Feet between maximum depth and top of dam	ft.	2.5
	Design frequency of use	yrs.	100
Elevations	Ground under dam	ft.	1382
	Normal pool	ft.	1388
	Crest, Emergency Spillway	ft.	1406.5
	Maximum depth, emerg. spillway	ft.	1411
	Top of dam	ft.	1413
Storage Capacity, Sediment Pool		ac. ft.	29
	Surface area	ac.	11.25
	Maximum depth	ft.	6
	Gallons of water	gal.	9,474,300
Storage Capacity, Flood Pool		ac. ft.	465
	Surface area	ac.	57
	Gallons of water	gal.	151,915,500
Maximum Depth, Maximum Emergency Spillway Stage		ft.	29
	Crest, Emergency Spillway	ft.	24.5
Landowners			Waynesboro Nursery
Construction Costs			\$28,329.04
Contractor			English Construction Co.

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Structure #7

Wilda

South River Watershed (Potomac Basin), Augusta County, Virginia

Drainage		ac.	1450
		sq. mi.	2.27
Dam	Height	ft.	45
	Length	ft.	763
	Top Width	ft.	15
	Side Slopes		2.5:1
	Volume of Fill	cyds.	97,851
Principal Spillway	Diameter	in.	24
	Length	ft.	256
Emergency Spillway	Width (has 2 emergency spillways)	ft.	60 & 100
	Maximum depth allowed in emergency spillway	ft.	3.5
	Feet between maximum depth and top of dam	ft.	2.0
	Design frequency of use	yrs.	100
Elevations	Ground under dam	ft.	1459.5
	Normal pool	ft.	1474
	Crest, Emergency spillway	ft.	1499
	Maximum depth, emerg. spillway	ft.	1502.5
	Top of dam	ft.	1504.5
Storage Capacity, Sediment Pool		ac. ft.	18.75
	Surface area	ac.	6.5
	Maximum depth	ft.	14.5
	Gallons of water	gal.	6,125,625
Storage Capacity, Flood Pool		ac. ft.	438
	Surface area	ac.	31.4
	Gallons of water	gal.	143,094,600
Maximum Depth, Maximum Emergency Spillway Stage		ft.	43
	Crest, Emergency Spillway	ft.	39.5
Landowners			Lester B. Frank
Construction Costs			\$40,293.70
Contractor			Lester B. Frank

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TECHNICAL DATA
Structure #6
Cold Springs (Stoney Creek)
 South River Watershed (Potomac Basin), Augusta County, Virginia

Drainage		ac.	2708
		sq. mi.	4.23
Dam	Height	ft.	53
	Length	ft.	951
	Top Width	ft.	17
	Side Slopes		2.5:1
	Volume of Fill	cyds.	241,750
Principal Spillway	Diameter	in.	24
	Length	ft.	340
Emergency Spillway	Width	ft.	175
	Maximum depth allowed in emergency spillway	ft.	4.7
	Feet between maximum depth and top of dam	ft.	2.3
	Design frequency of use	yrs.	100
Elevations	Ground under dam	ft.	1589
	Normal pool	ft.	1601.5
	Crest, Emergency Spillway	ft.	1635
	Maximum depth, emerg. spillway	ft.	1639.7
	Top of dam	ft.	1642
Storage Capacity, Sediment Pool		ac. ft.	30.2
	Surface area	ac.	12.3
	Maximum depth	ft.	12.5
	Gallons of water	gal.	9,866,340
Storage Capacity, Flood Pool		ac. ft.	820
	Surface area	ac.	49.2
	Gallons of water	gal.	267,894,000
Maximum depth, Maximum Emergency Spillway Stage		ft.	50.7
	Crest, Emergency Spillway	ft.	46
Landowners		H.A. Senger	
Construction Costs			\$79,948.16
Contractor		Georgia Via	

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