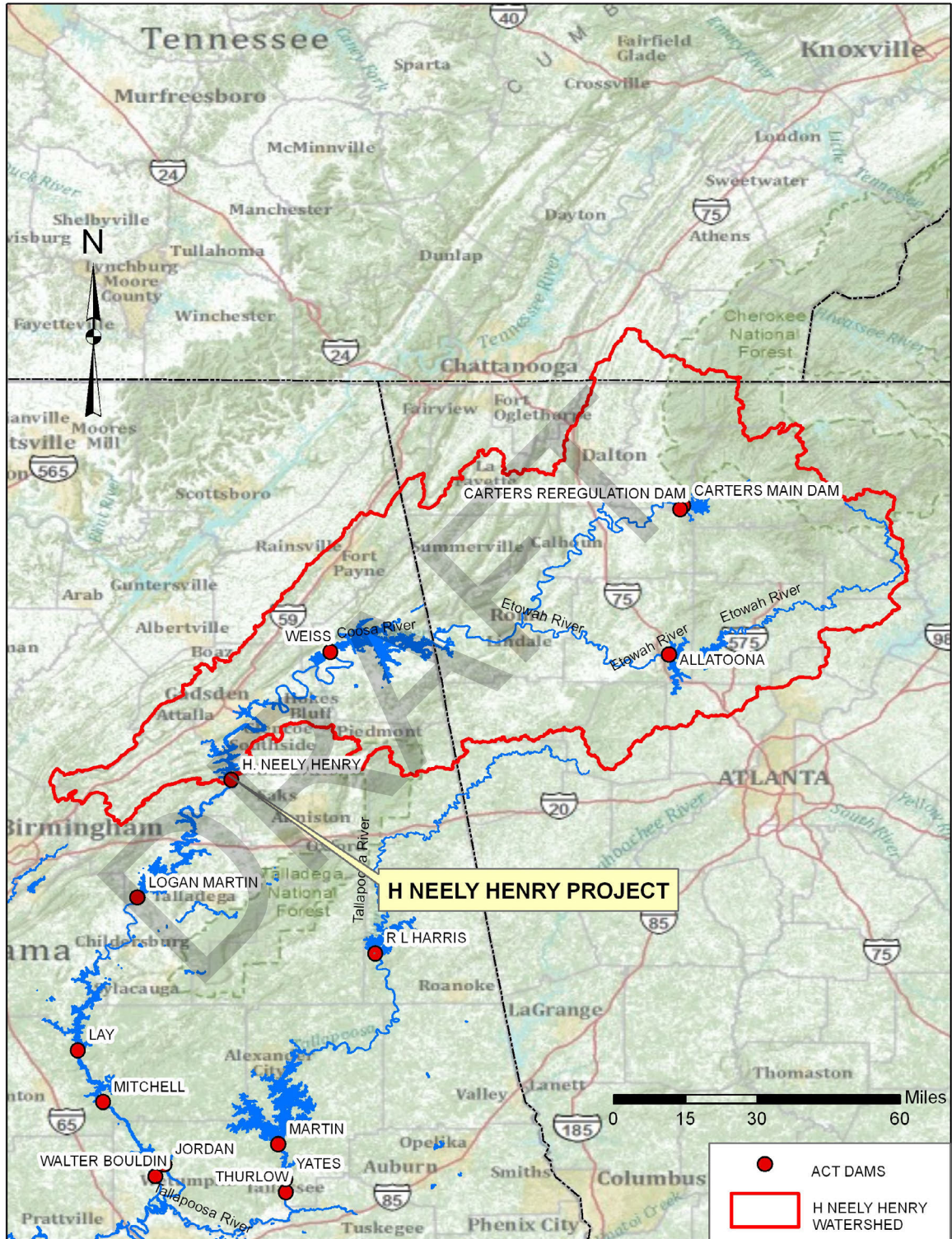


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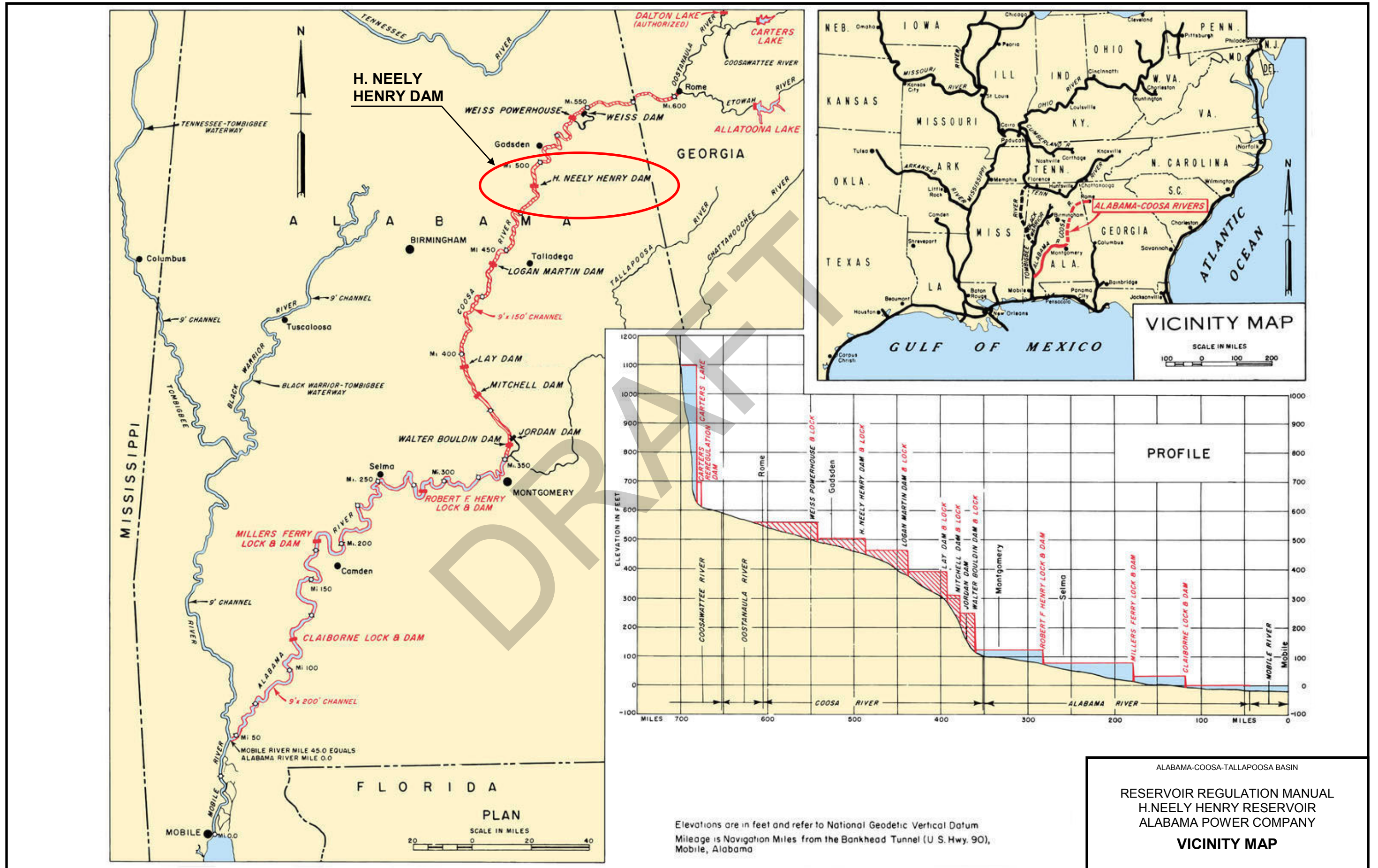
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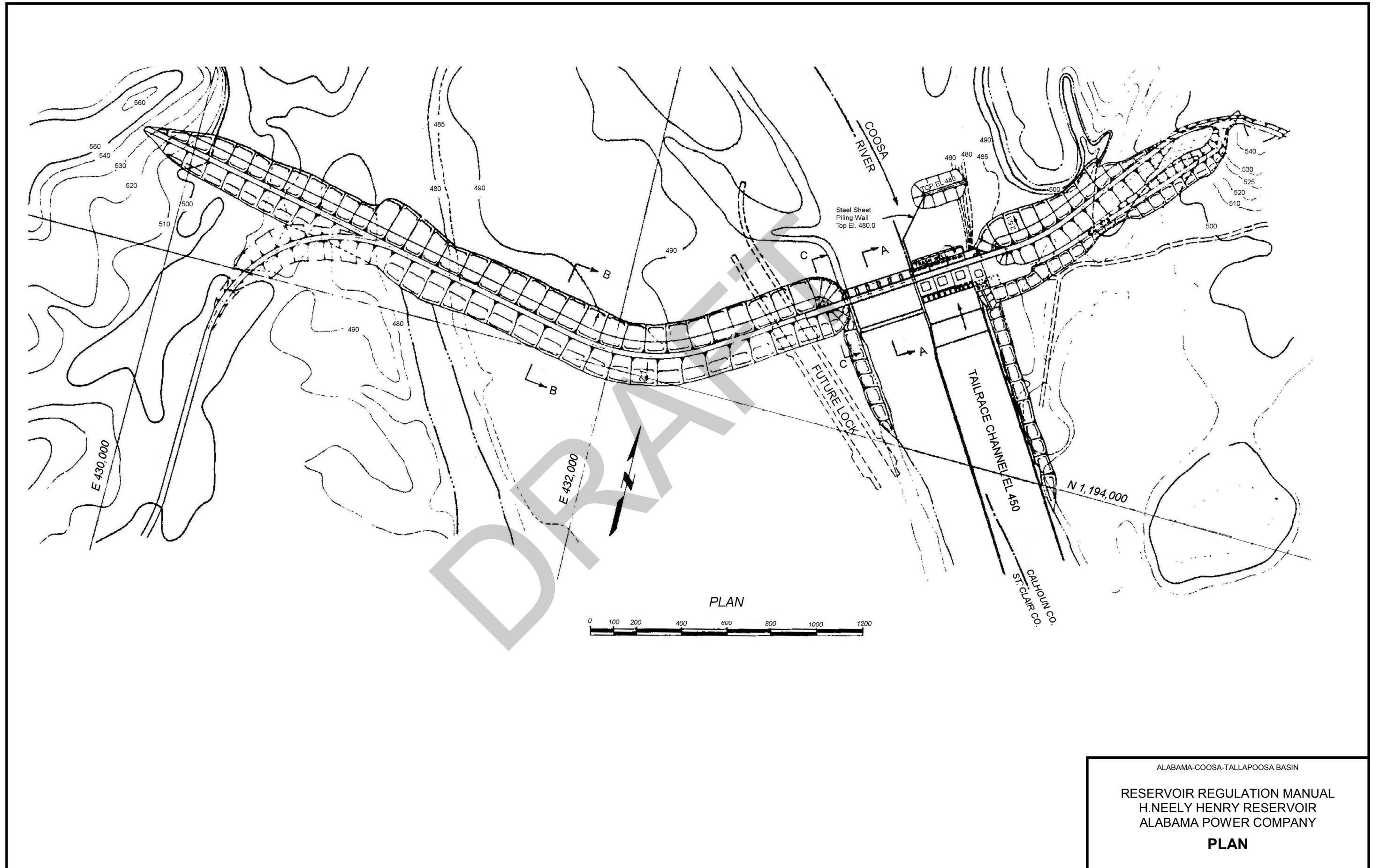
PLATES



ALABAMA-COOSA-TALAPOOSA BASIN
RESERVOIR REGULATION MANUAL
H. NEELY HENRY RESERVOIR
ALABAMA POWER COMPANY

LOCATION MAP





ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
H. NEELY HENRY RESERVOIR
ALABAMA POWER COMPANY
PLAN



Elevation (ft NGVD 1929)	DISCHARGE in 1000 CFS				
	Curve1	Curve2	Curve3	Curve4	Curve5
500	74	73	71	68.5	65.5
502	85.5	85	84	82	79.5
504	98.75	98.5	98	96.5	94
506	113	113	112.5	111.5	109.5
508	128	128	128	127	125
510	142.5	142.5	142.5	142.5	141.5

NOTE: Spillway Crest Elevation 480
 (Curve 1) Tailwater elevation at 488 or below, no submersion effect
 (Curve 2) Tailwater elevation at 490
 (Curve 3) Tailwater elevation at 492
 (Curve 4) Tailwater elevation at 494
 (Curve 5) Tailwater elevation at 496

ALABAMA-COOSA-TALLAPOOSA BASIN
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**FREE OVERFLOW SPILLWAY
 RATING CURVES**

SIX GATE SPILLWAY DISCHARGE (CFS)

Gate Opening Arc Dist (feet)	Headwater Elevation (feet NGVD29)							
	502	503	504	505	506	507	508	
0.0	0	0	0	0	0	0	0	
0.5	2700	2800	2800	2900	2900	3000	3000	(481)*
1.0	(481)* 5400	5500	5600	5700	5700	6000	6100	
1.5	8100	8300	8400	8600	8800	9000	9100	(482)*
2.0	(482)* 10800	11000	11300	11500	11700	12000	12200	
2.5	13500	13800	14100	14400	14700	15000	15300	(483)*
3.0	(483)* 16100	16500	16900	17300	17600	18000	18300	
3.5	18800	19300	19700	20100	20600	21000	21400	(484)*
4.0	(484)* 21500	22000	22500	23000	23500	24000	24400	
4.5	24100	24700	25300	25900	26400	27000	27500	(485)*
5.0	26700	27400	28100	28700	29300	29900	30500	
5.5	(485)* 29400	30100	30800	31500	32200	32900	33600	(486)*
6.0	32000	32800	33600	34300	35100	35900	36600	
6.5	(486)* 34500	35400	36300	37200	38000	38800	39600	(487)*
7.0	37100	38100	39000	39900	40900	41700	42600	
7.5	39600	40700	41700	42700	43700	44700	45600	
8.0	(487)* 42100	43300	44400	45500	46500	47500	48600	(488)*
8.5	44600	45800	47000	48200	49300	50400	51500	
9.0	47100	48400	49700	50900	52100	53300	54400	(489)*
9.5	(488)* 49500	50900	52300	53600	54900	56100	57300	
10.0	51900	53400	54800	56200	57600	58900	60200	
10.5	(489)* 54300	55800	57400	58800	60300	61700	63100	(490)*
11.0	56600	58200	59900	61400	63000	64400	65900	
11.5	58900	60600	62300	64000	65600	67200	68700	
12.0	61100	63000	64800	66500	68200	69900	71500	(491)*
12.5	(490)* 63300	65300	67200	69000	70800	72500	74200	
13.0	65500	67500	69500	71400	73300	75100	76900	
13.5	67600	69700	71900	73800	75800	77700	79600	(492)*
14.0	(491)* 69700	71900	74100	76200	78300	80300	82300	
14.5	71800	74100	76400	78600	80700	82800	84900	(493)*
15.0	73800	76200	78600	80900	83100	85300	87400	
15.5	75700	78200	80700	83100	85500	87700	90000	
16.0	(492)* 77600	80200	82900	85300	87800	90100	92500	(494)*
16.5	79500	82200	84900	87500	90100	92500	94900	
17.0	81300	84100	87000	89600	92300	94800	97300	
17.5	83100	86200	88900	91700	94500	97100	99700	
18.0 **	85000	88000	90900	93700	96600	99300	102000	

* Tailwater elevation at which submergence begins.

** Gates not fully open.

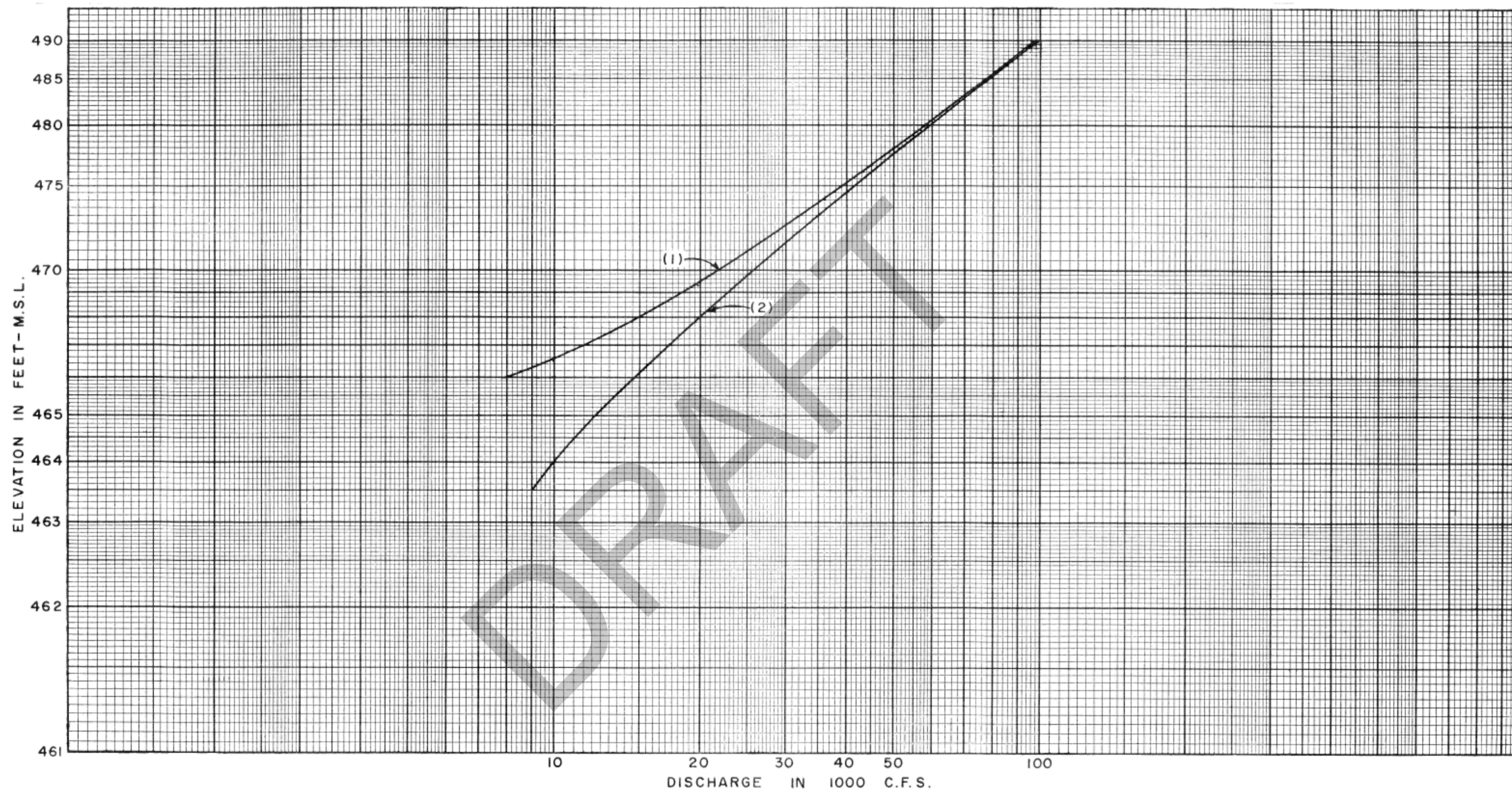
ALABAMA-COOSA-TALLAPOOSA BASIN

RESERVOIR REGULATION MANUAL

H. NEELY HENRY RESERVOIR

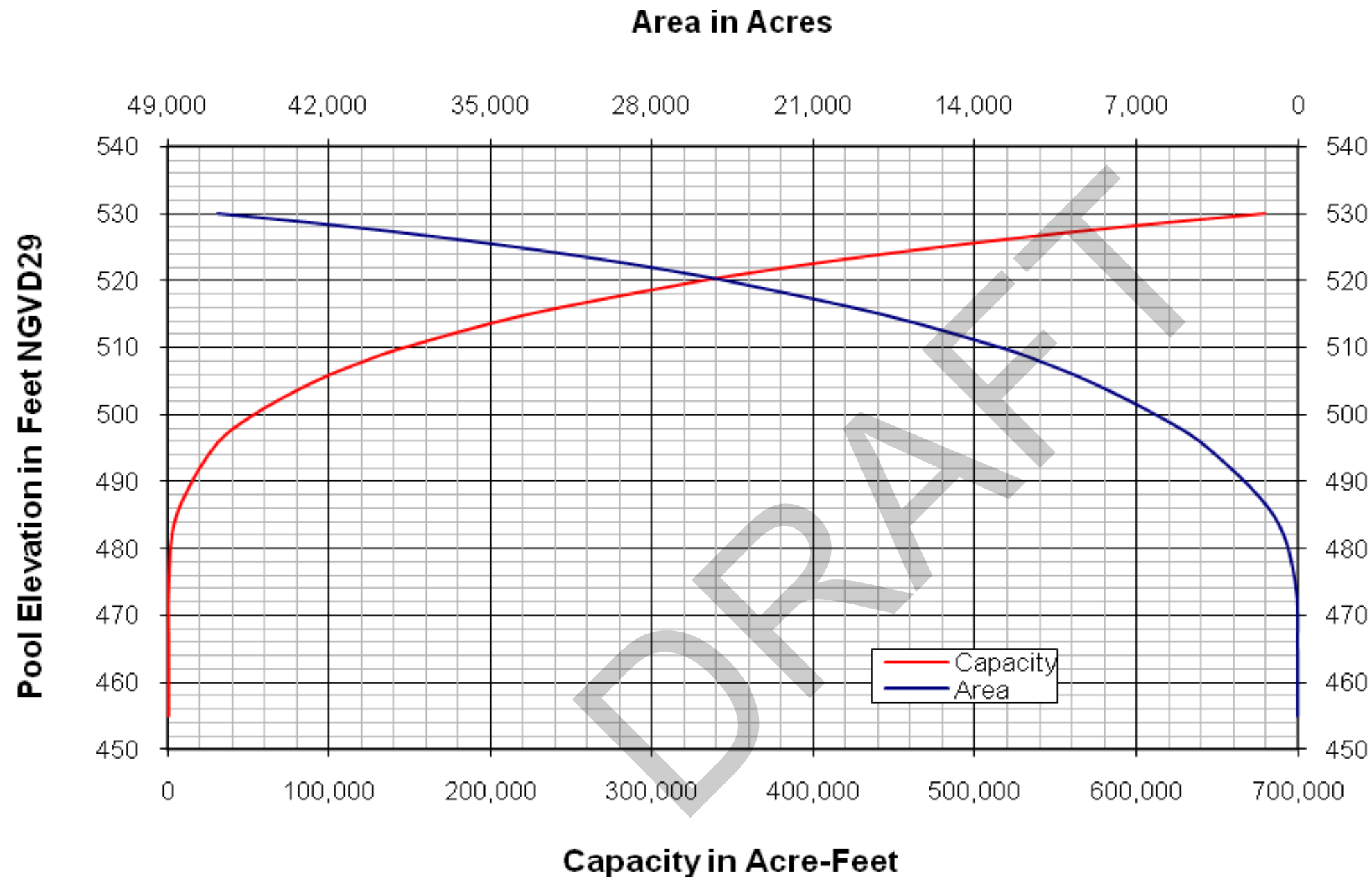
ALABAMA POWER COMPANY

**PARTIAL OPENING GATED
SPILLWAY DISCHARGE RATING**



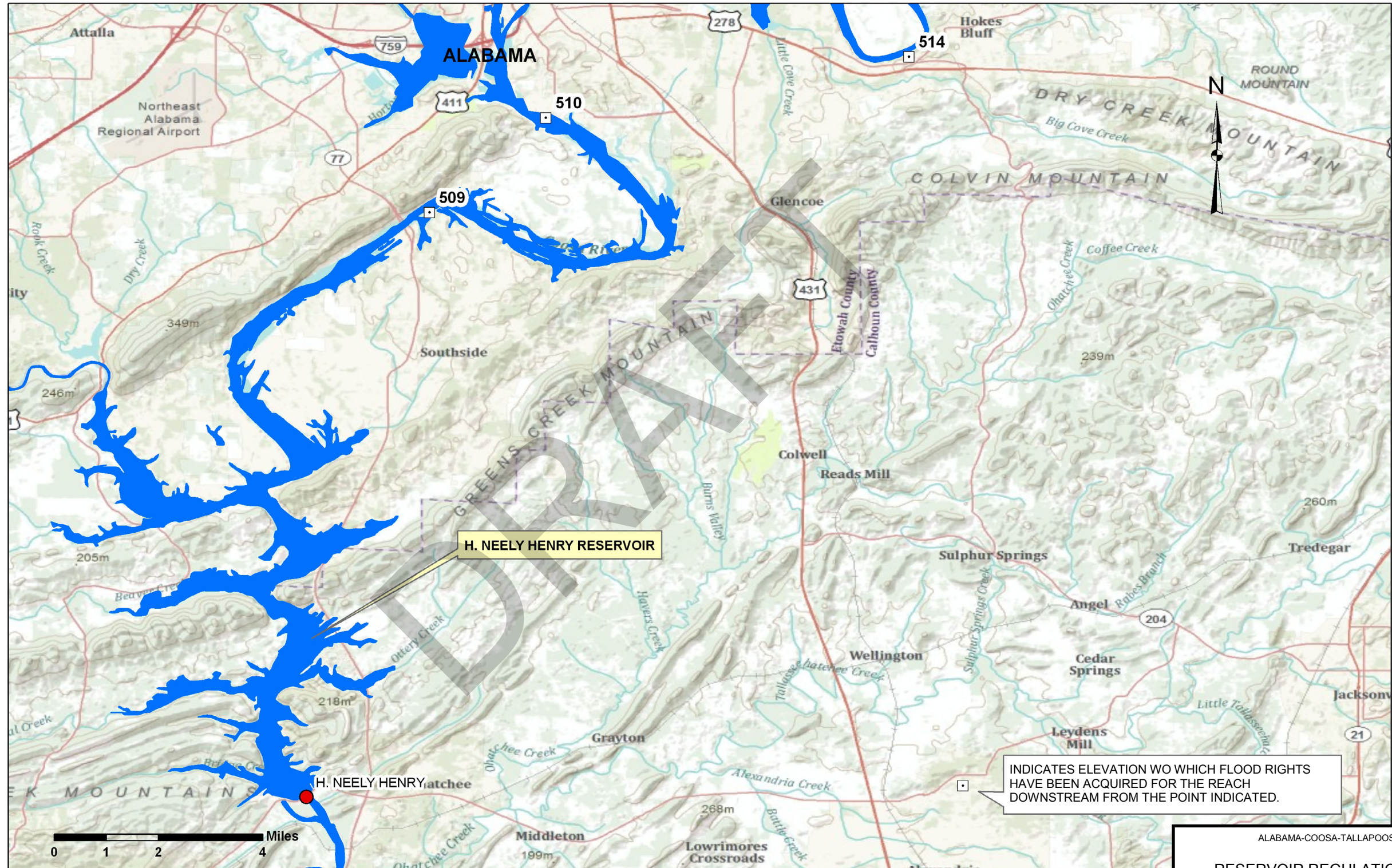
(1) LOGAN MARTIN RESERVOIR AT ELEV. 465
(2) LOGAN MARTIN RESERVOIR AT ELEV. 460

ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
H. NEELY HENRY RESERVOIR
ALABAMA POWER COMPANY
TAILWATER RATING CURVES

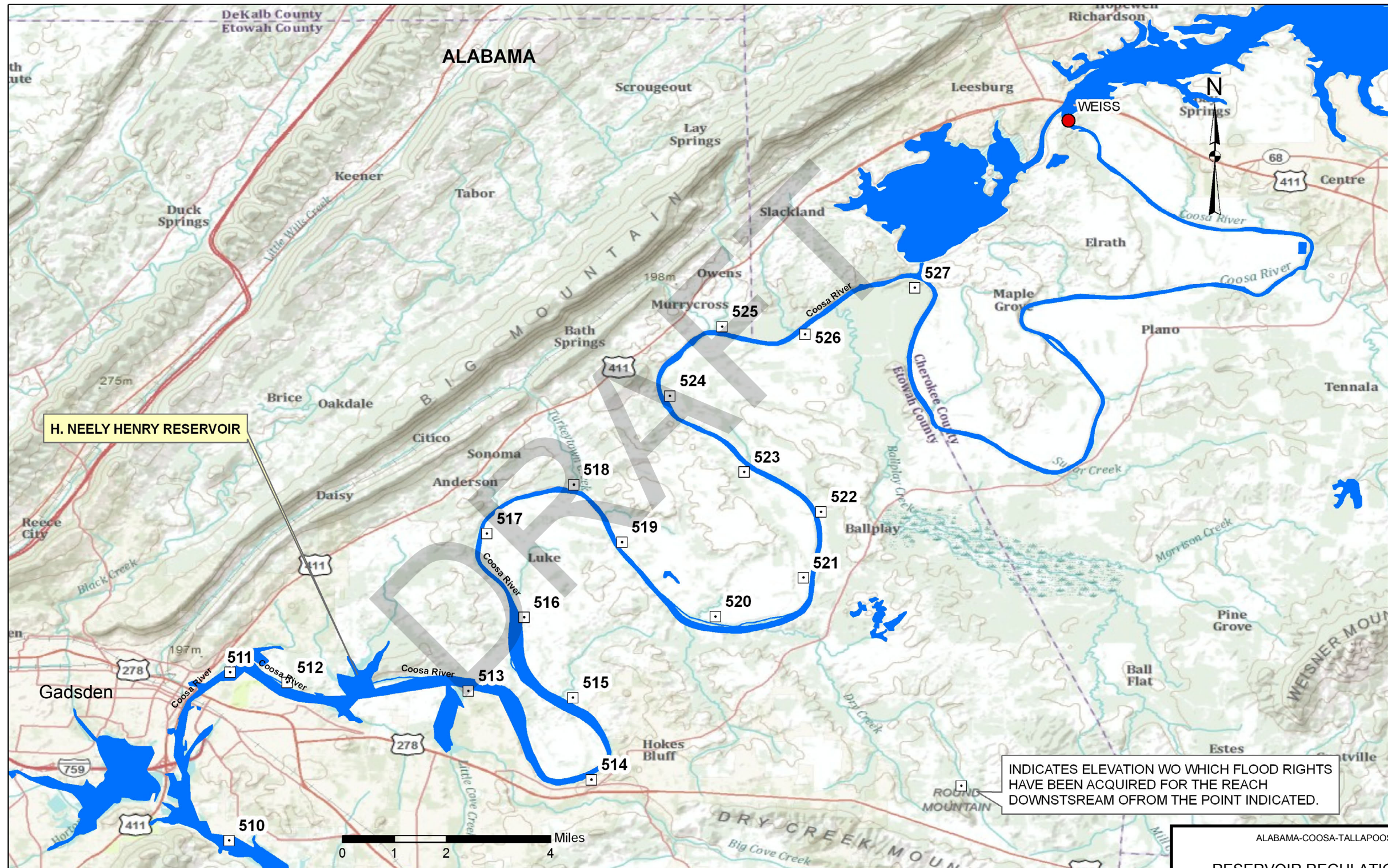


Pool Elev. (ft NGVD29)	Total Area (ac)	Total Storage (ac-ft)
455	0	0
465	6	30
475	110	195
485	1060	5090
495	3904	27860
500	6182	53060
505	9081	91220
508	11235	121860
510	12896	146160
515	18089	223740
520	24828	331120
521	26423	356960
522	28120	384440
523	29927	413700
524	31857	444840
525	33921	477980
526	36135	513300
527	38515	550920
528	41081	591020
529	43856	633820
530	46865	679560

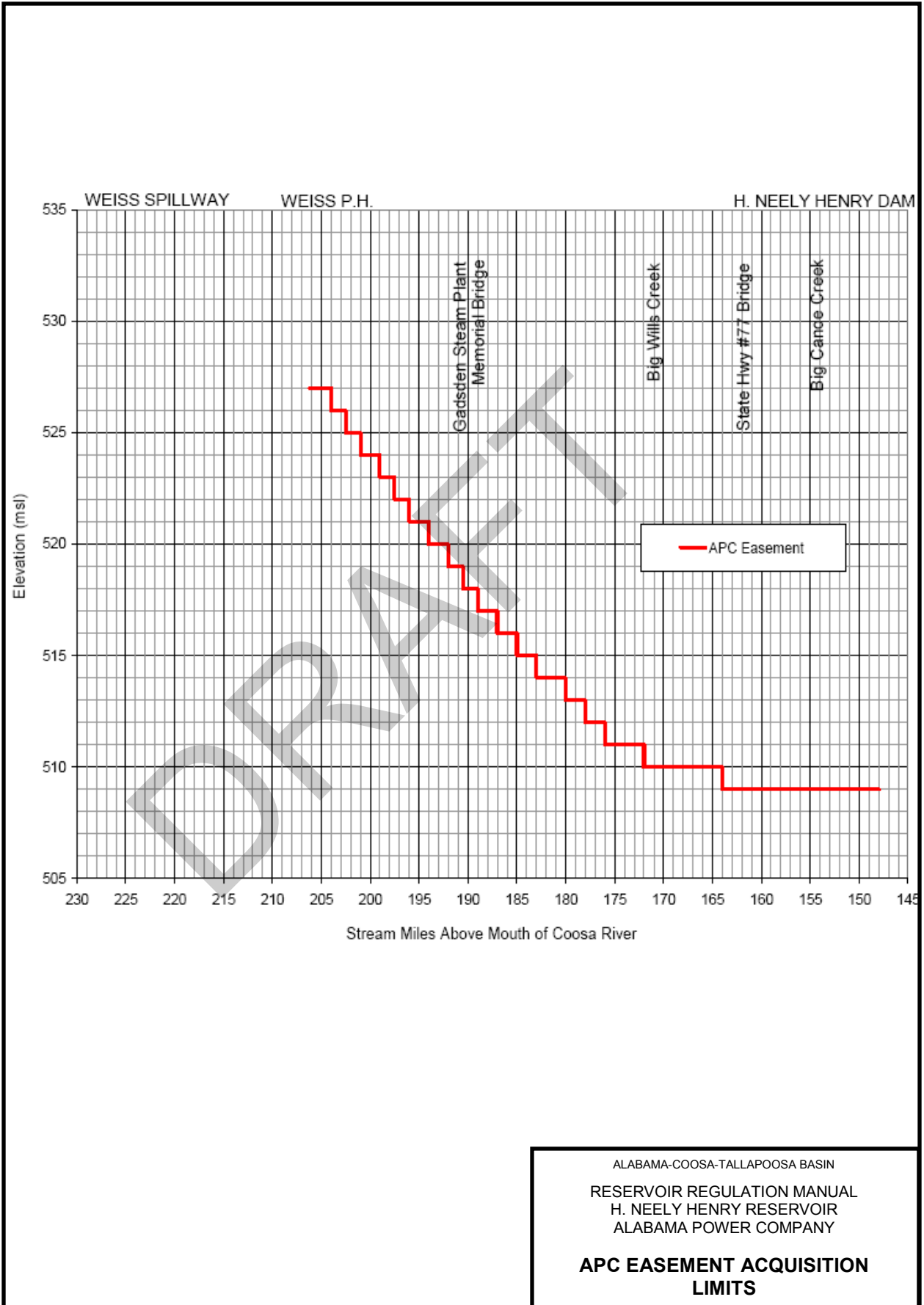
ALABAMA-COOSA-TALLAPOOSA BASIN
 RESERVOIR REGULATION MANUAL
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 ALABAMA POWER COMPANY
AREA-CAPACITY CURVES



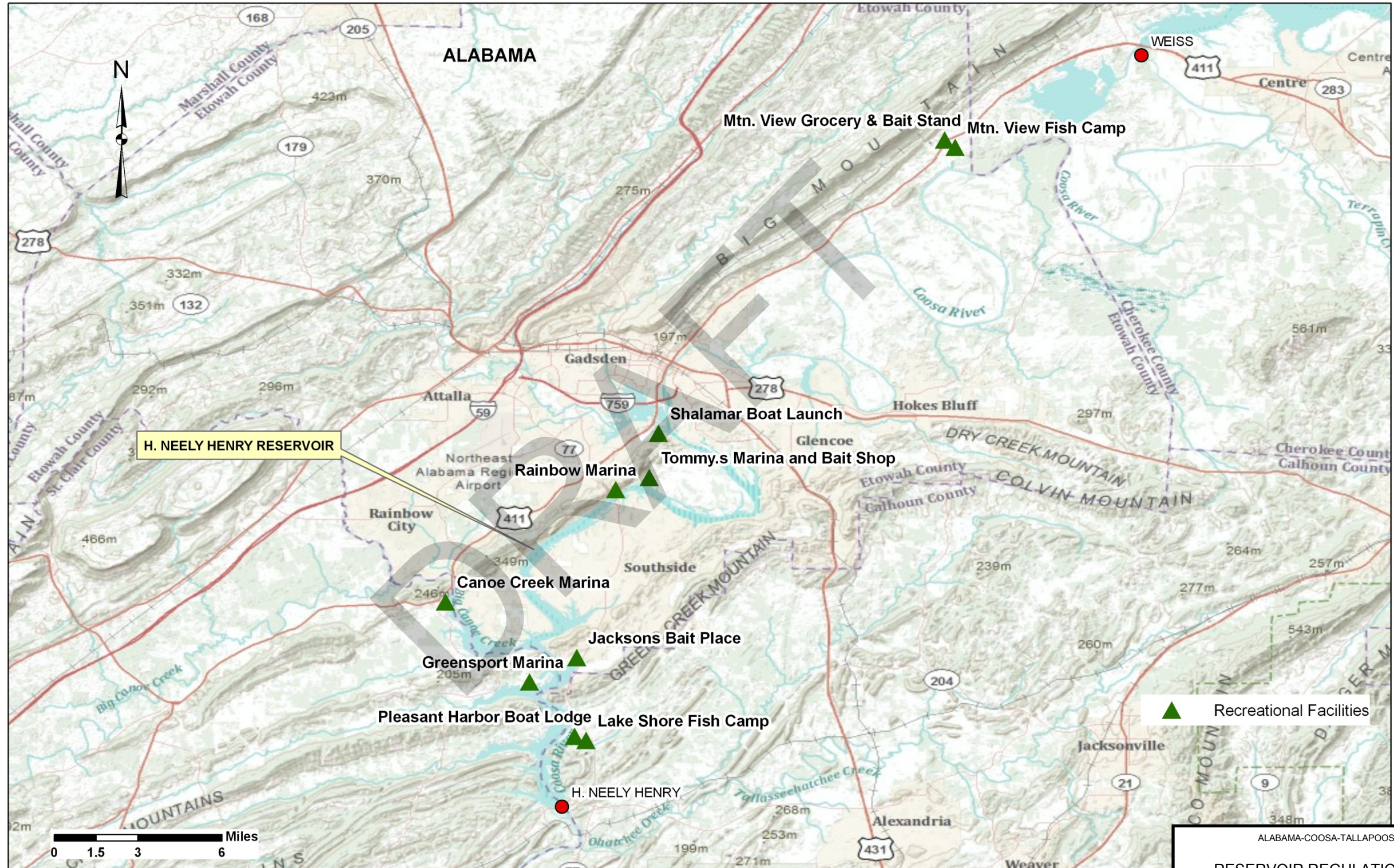
ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
H.NEELY HENRY RESERVOIR
ALABAMA POWER COMPANY
REAL ESTATE ACQUISITION LIMITS



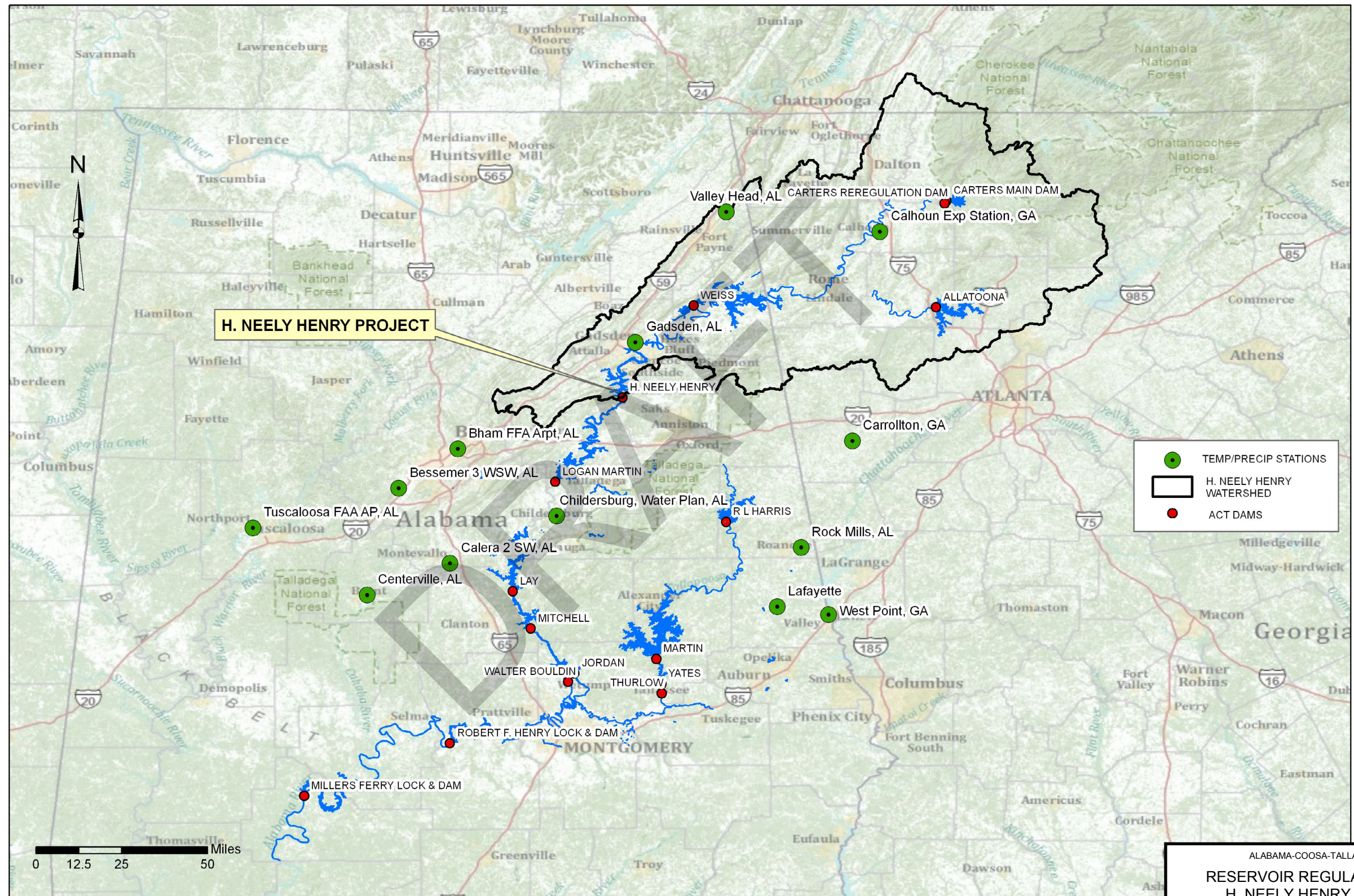
ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
H.NEELY HENRY RESERVOIR
ALABAMA POWER COMPANY
REAL ESTATE ACQUISITION LIMITS



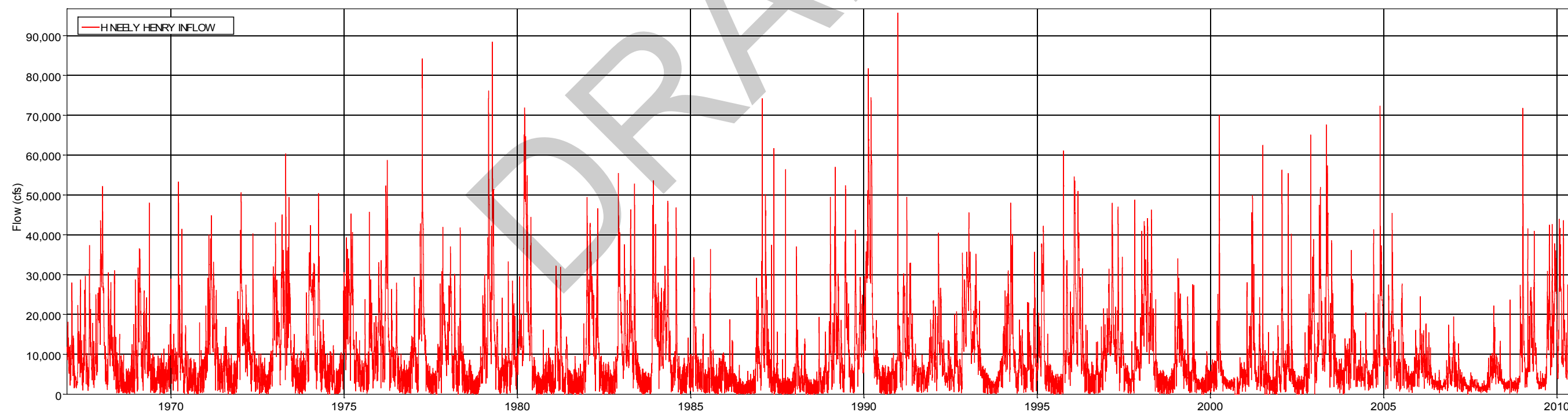
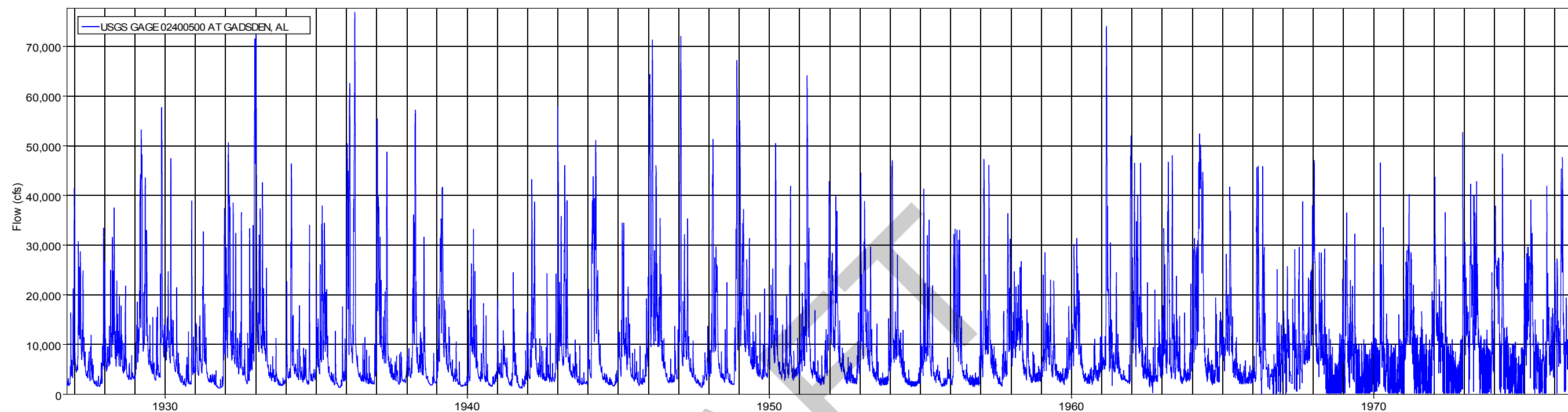
ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
H. NEELY HENRY RESERVOIR
ALABAMA POWER COMPANY
**APC EASEMENT ACQUISITION
LIMITS**



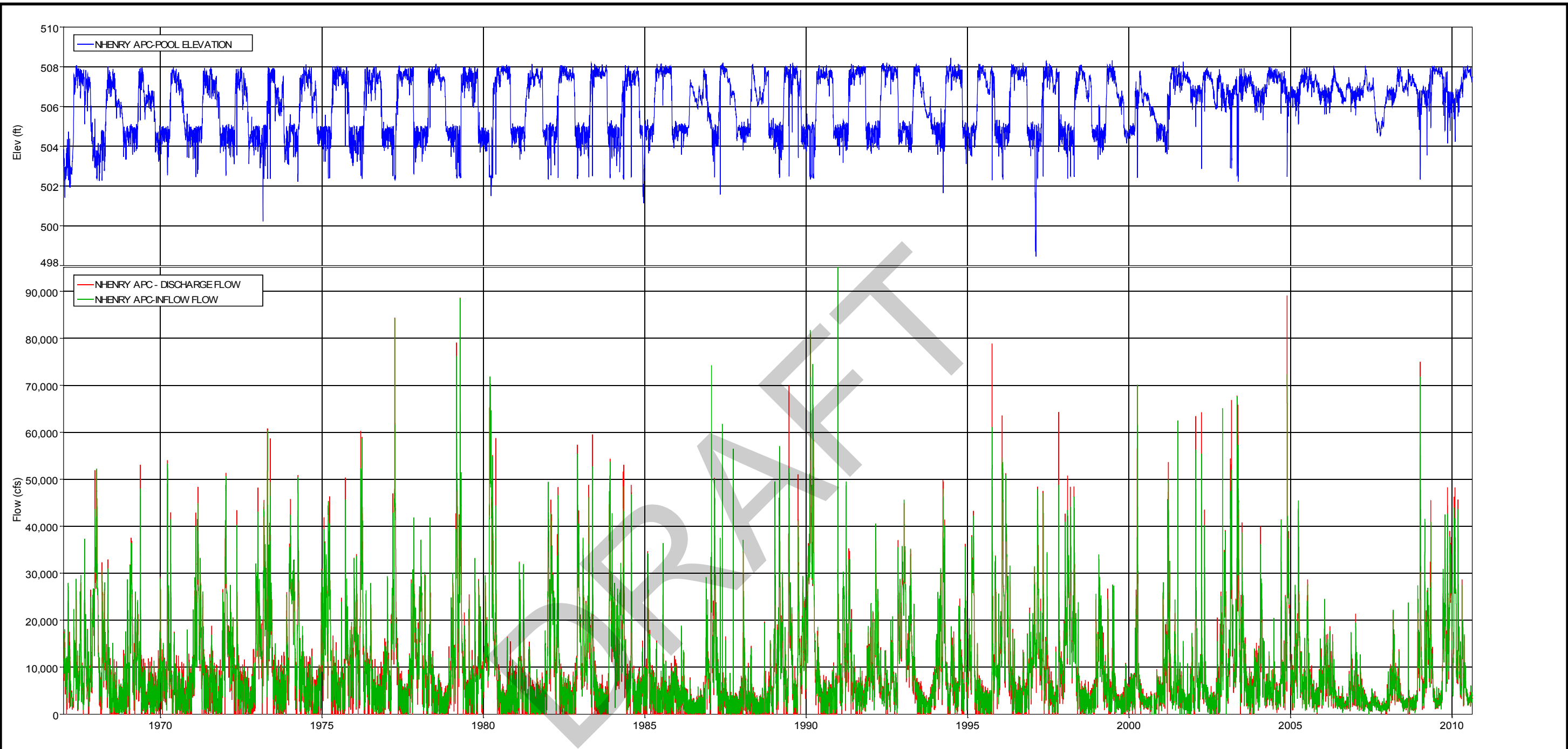
ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
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ALABAMA POWER COMPANY
RECREATIONAL FACILITIES



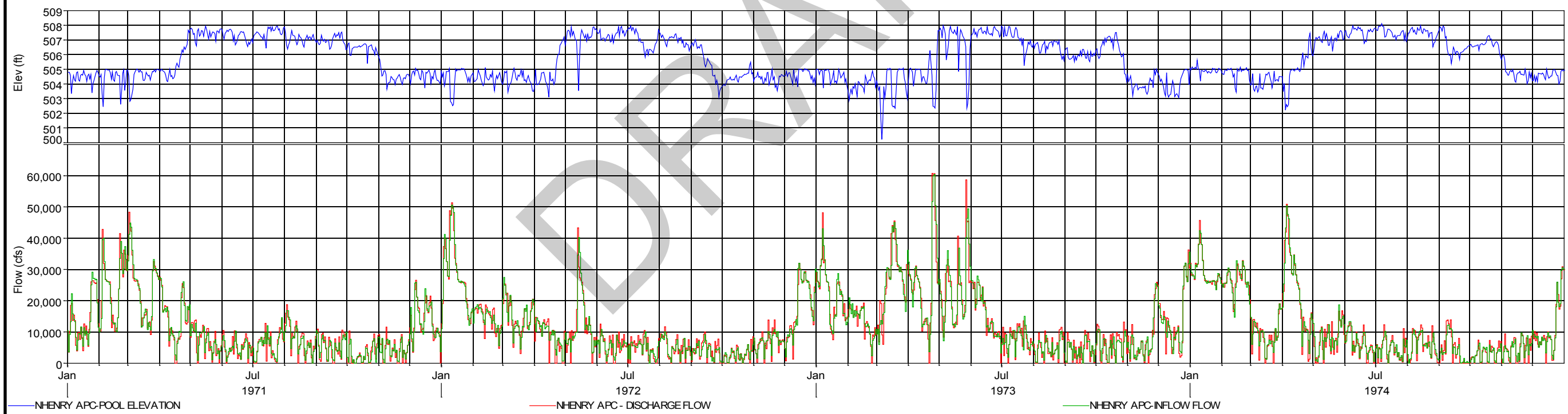
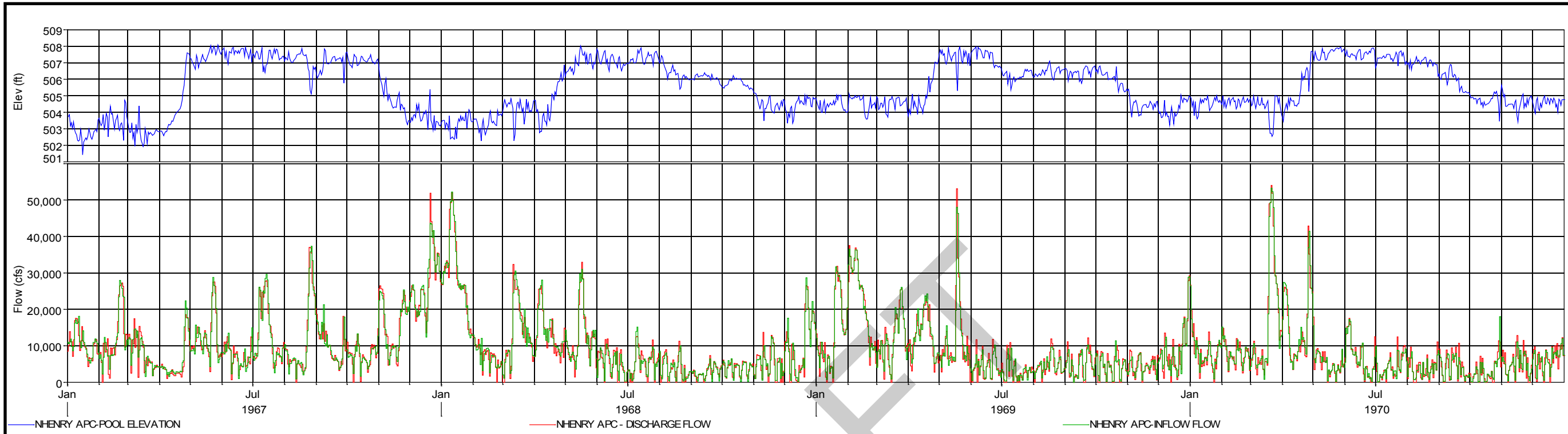
ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
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ALABAMA POWER COMPANY
**TEMPERATURE AND
PRECIPITATION STATIONS**



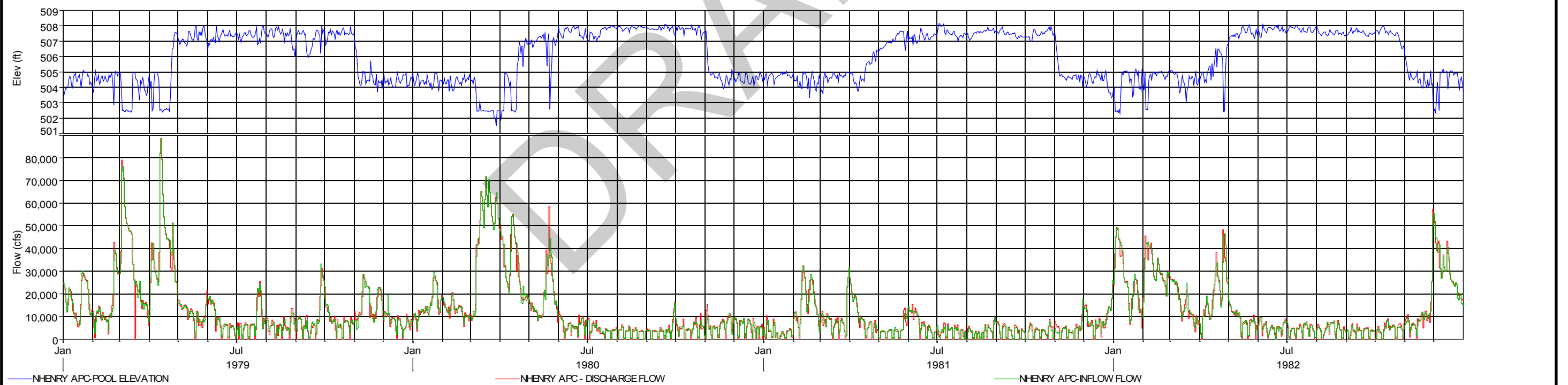
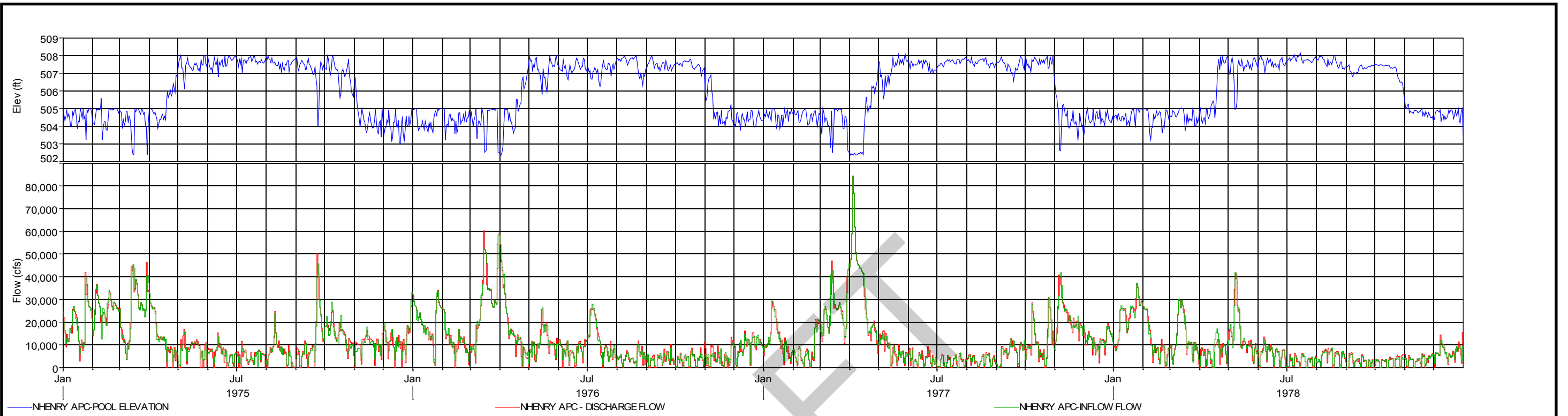
ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
H. NEELY HENRY RESERVOIR
ALABAMA POWER COMPANY
DISCHARGE HYDROGRAPHS
AT USGS GAGE 02400500 AT GADSDEN, AL AND AT
H. NEELY HENRY DAM



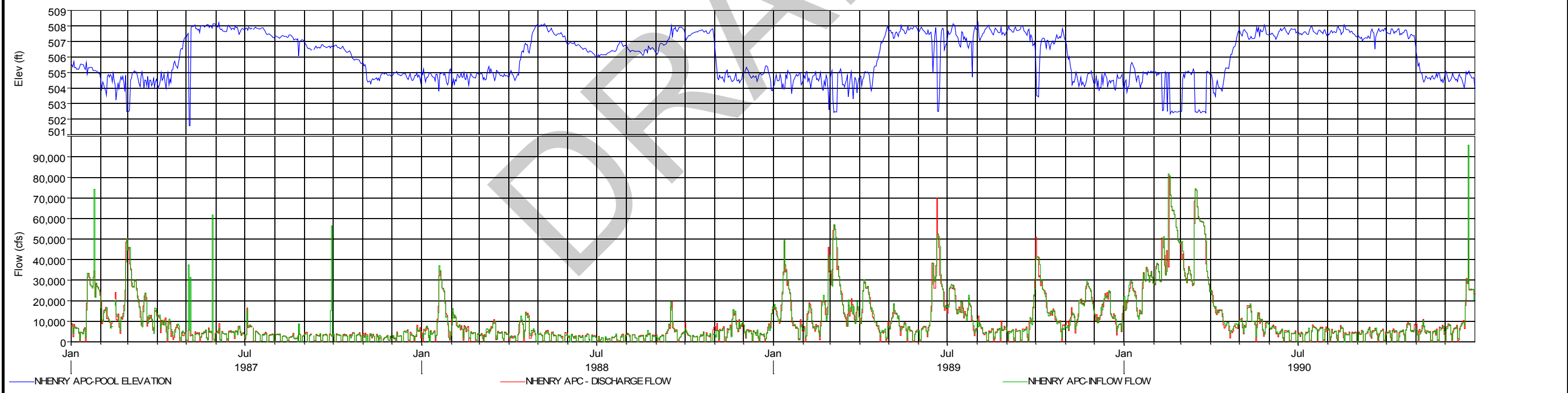
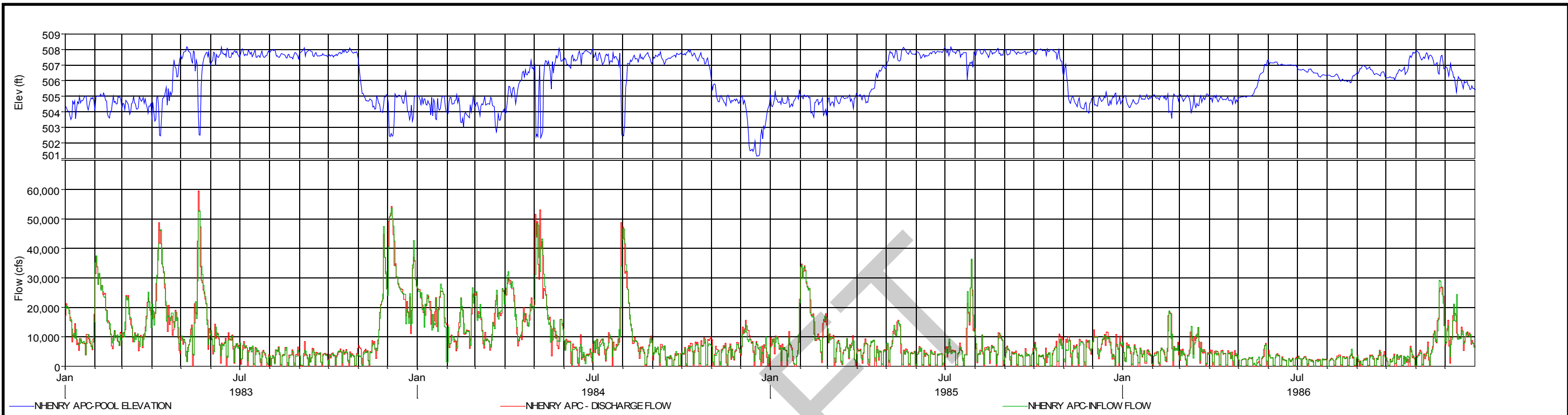
ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
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ALABAMA POWER COMPANY
**INFLOW-OUTFLOW-POOL
HYDROGRAPHS**



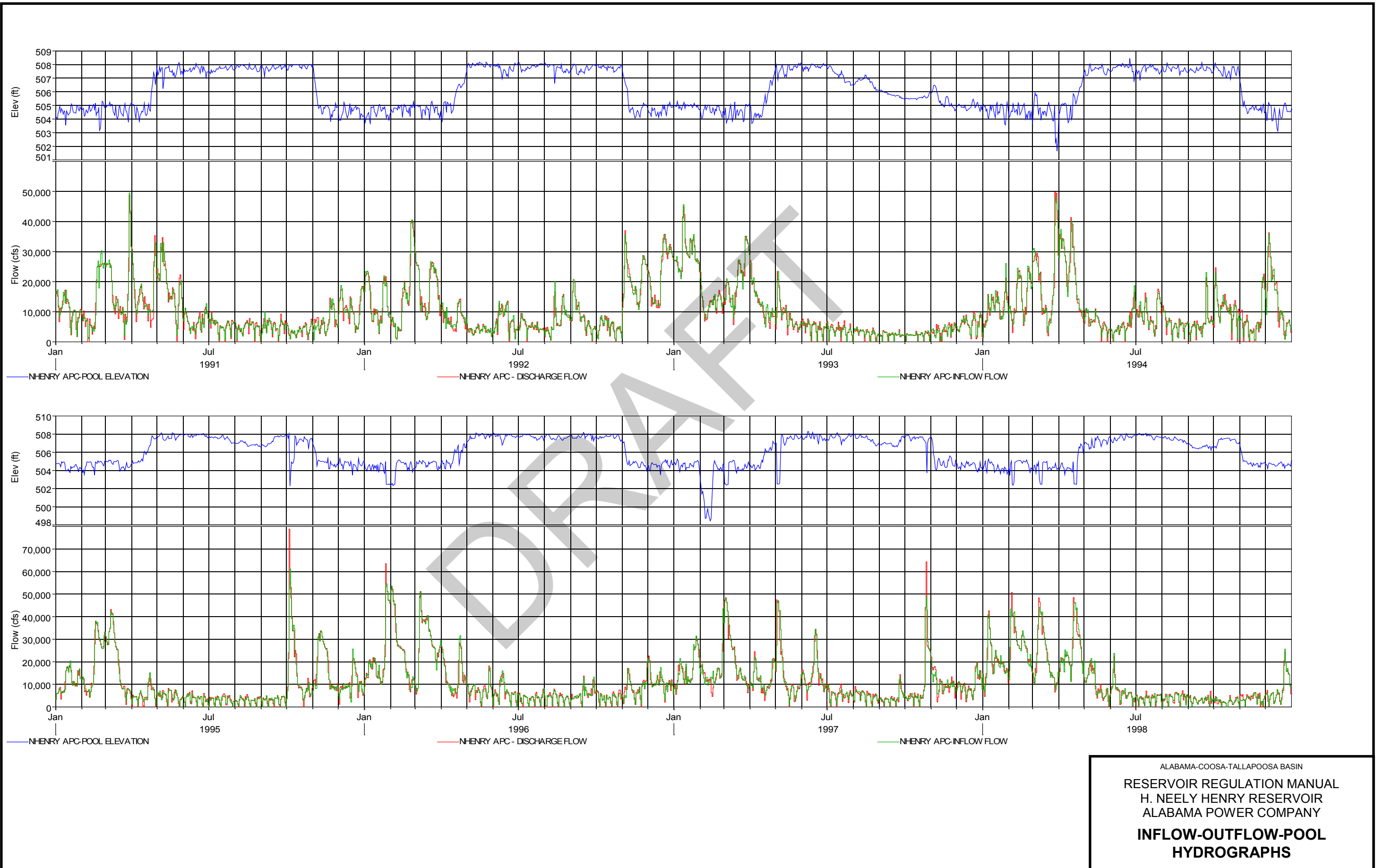
ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
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ALABAMA POWER COMPANY
INFLOW-OUTFLOW-POOL
HYDROGRAPHS



ALABAMA-COOSA-TALLAPOOSA BASIN
RESERVOIR REGULATION MANUAL
H., NEELY HENRY RESERVOIR
ALABAMA POWER COMPANY
**INFLOW-OUTFLOW-POOL
HYDROGRAPHS**



ALABAMA-COOSA-TALLAPOOSA BASIN
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ALABAMA POWER COMPANY
**INFLOW-OUTFLOW-POOL
HYDROGRAPHS**



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**INFLOW-OUTFLOW-POOL
HYDROGRAPHS**