Southeastern Federal Power Alliance

Peggy O'Bryan

Chief, Operations Division

Savannah District

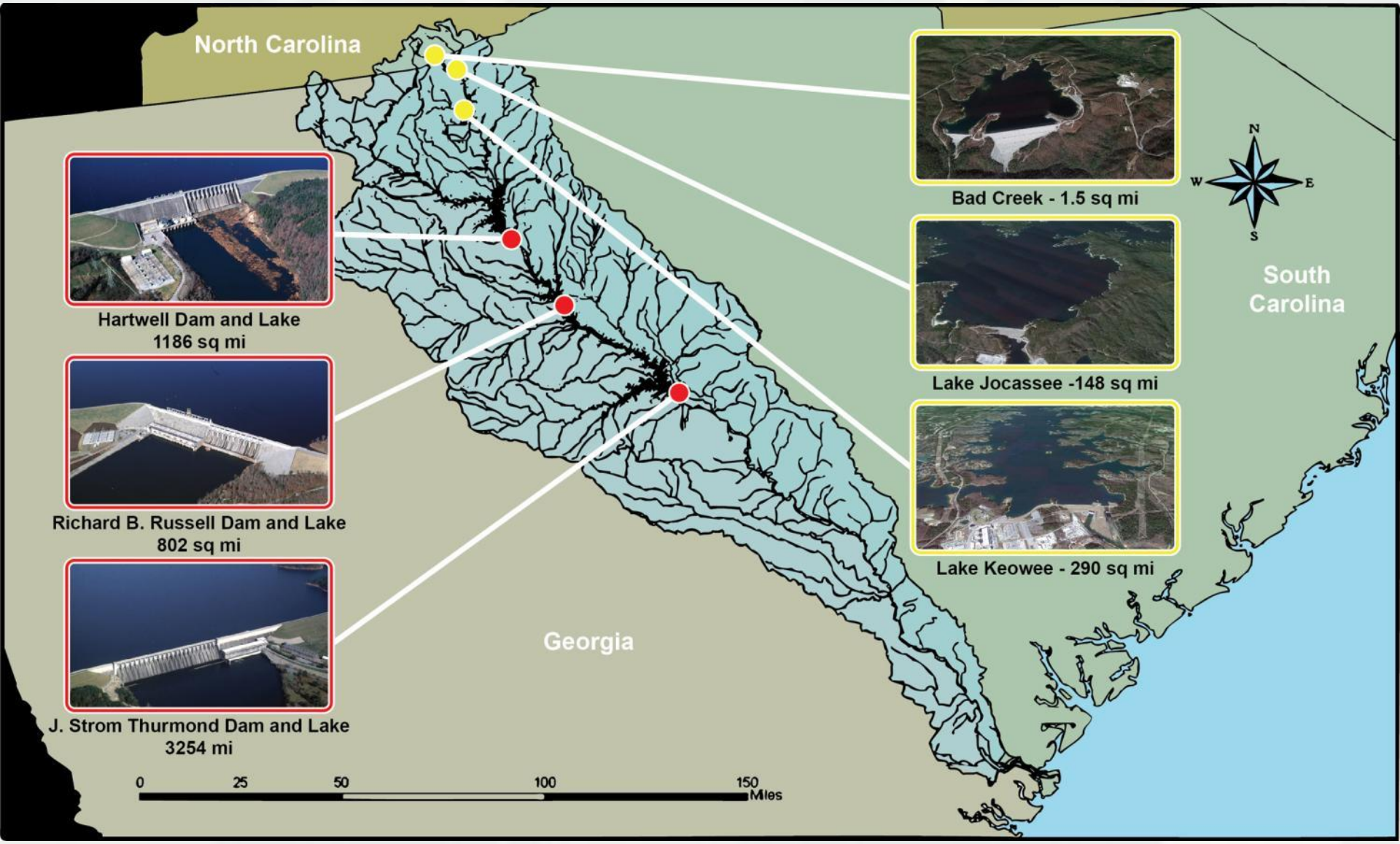
Nov 6, 2014

Savannah DISTRICT

US Army Corps of Engineers

BUILDING STRONG®

Basin Recap: Operated as System



Total Drainage Basin Area -10,580 sq miles

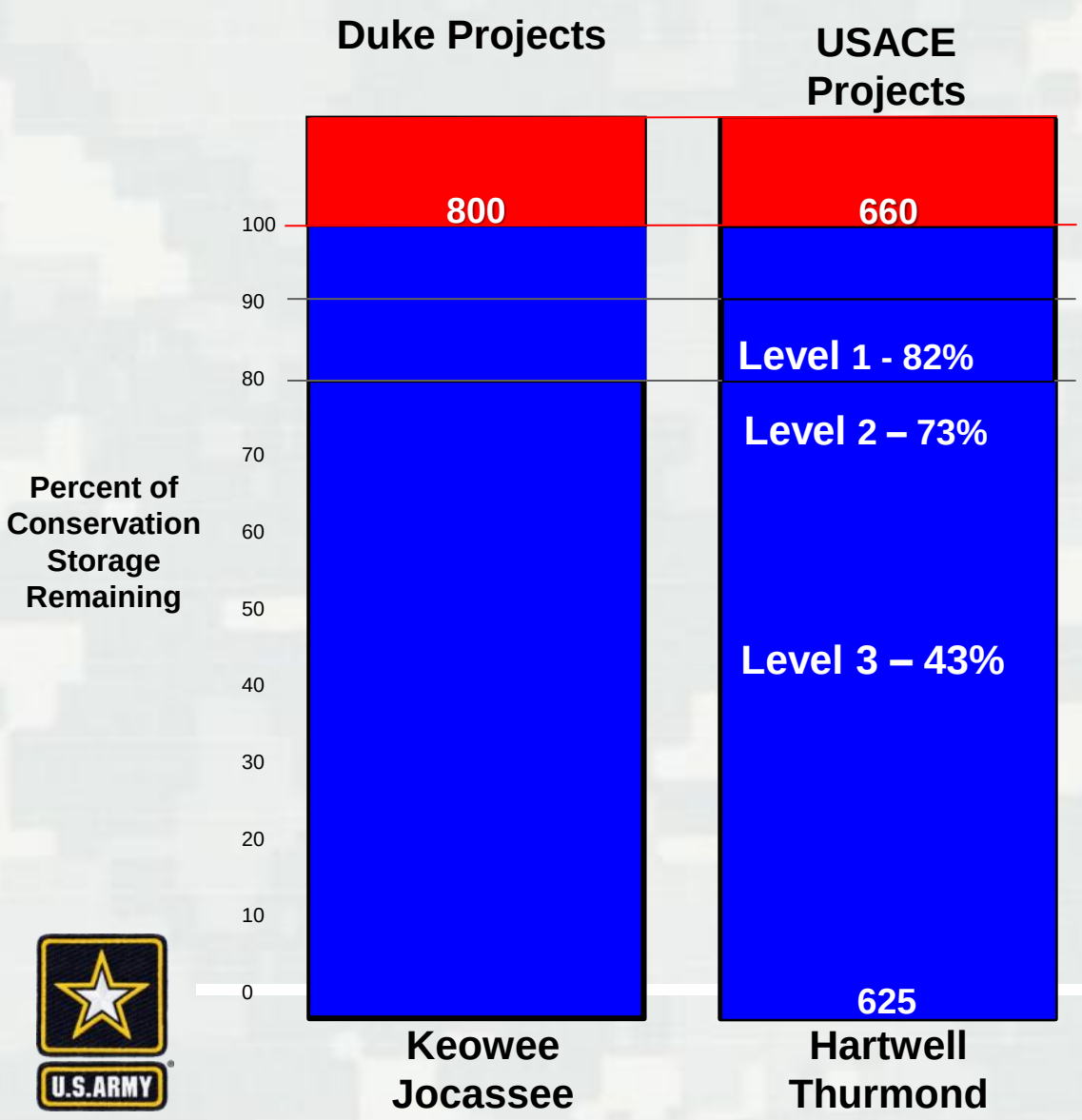
Duke Relicensing Agreement:

1968

vs

Today's proposed alternative

1968 Storage Balancing Procedure



The Duke Projects have limited flood control storage. The USACE projects utilize their Flood Control Storage to lessen the effects of flooding on Augusta.

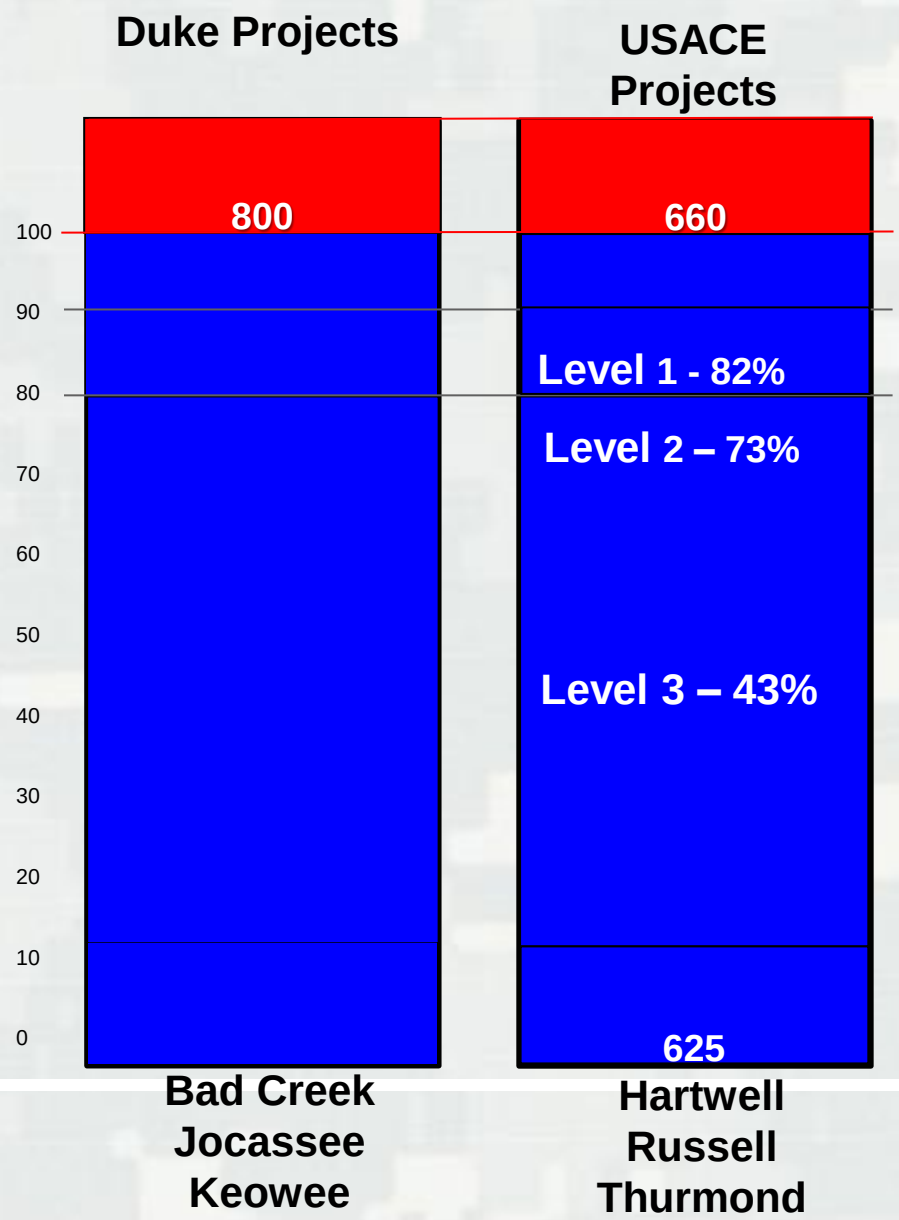
USACE requires no release from KEOWEE until the USACE projects reach 90% conservation storage remaining.

Once the USACE Projects reach 80% conservation storage remaining, the Duke Projects will release to match the remaining conservation storage.

U.S.ARMY

BUILDING STRONG®

2014 Storage Balancing Procedure



The Duke Projects have limited flood control storage. The USACE projects utilize their Flood Control Storage to lessen the effects of flooding on Augusta.

USACE requires no release from KEOWEE until the USACE projects reach 90% conservation storage remaining.

Once the USACE Projects reach 80% conservation storage remaining, the Duke Projects will release to match the remaining conservation storage.

No required release from Duke Projects if Dukes % conservation storage is less than 12%

U.S.ARMY

BUILDING STRONG®

Comp Study
&
Flood Storage Analysis

Savannah River Basin Comprehensive Study
Interim Study II Alternatives

	No Action Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Alternative 6
Drought Level 1	4200 >10% Qin 4000 <=10% Qin	3800 Feb-Apr 3500 May-Jan	4000 at 326	Drought Ecosystem Flow Prescription	3600 at Level 1 3100 Nov-Jan	TBD by Sponsors	Alternate Refill/ Flow Scenarios
Drought Level 2	4000 >10% Qin 3800 <=10% Qin 3600 Nov-Jan	2800 Feb-Apr 2500 May-Jan	3800 at 324 3600 Nov-Jan	Drought Ecosystem Flow Prescription	3600 3100 Nov-Jan		
Drought Level 3	3800 3100 Nov-Jan	1800 Feb-Apr 1500 May-Jan	3600 at 322 3100 Nov-Jan	Drought Ecosystem Flow Prescription	3600 3100 Nov-Jan		
Drought Level 4	3600 3100 Nov-Jan	1500	3600 3100 Nov-Jan	3600 3100 Nov-Jan	3600 3100 Nov-Jan		

10% Qin is defined as the 10th percentile flow at the Broad River near Bell piedmont reference stream gage for reservoir inflow.