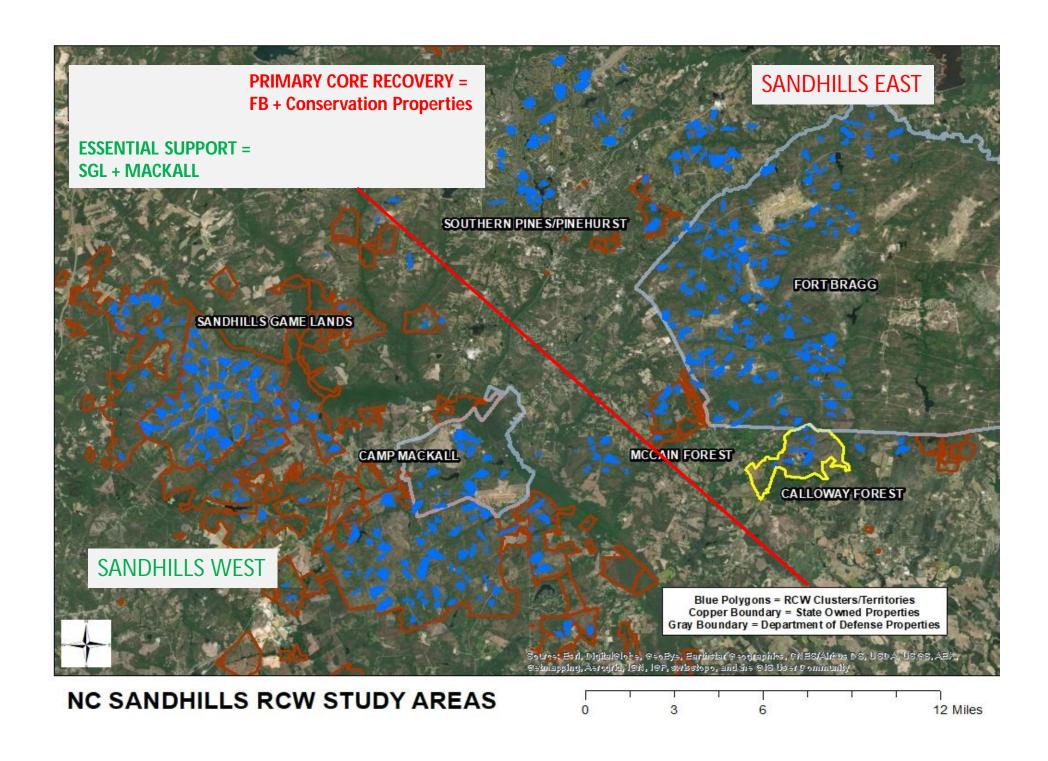
RCW RECOVERY WG UPDATE







- 2021 NC Sandhills Population Monitoring
- Fall / Winter 2021-22 Activities
- Avian Keratin Disorder



2021 Breeding Season Potential Breeding Group (PBG) Summary

SANDHILLS EAST

Fort Bragg (FB):

- Est. # PBG not yet determined on FB
- 1 new PBG on Western FB in 2021

CALLOWAY (no gain) (11 PBG)

MCCAIN (no gain) _____(8 PBG)

Southern Pines / Pinehurst (SOPI)

- PBG # (loss 8) _____(38 PBG down from 46 in 2020)
- Walthour Moss Foundation (no gain) _____(16 PBG)

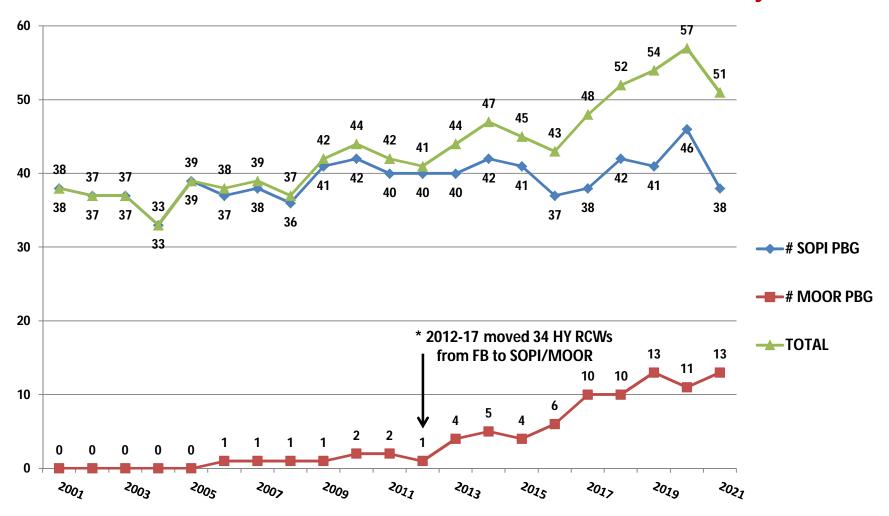
Western MOORE Co. + 2 PBG _____(13 PBG)

WEYMOUTH WOODS SNP + 1 PBG Paint Hill _____ (4PBG)

RCW groups (PBG) within Sandhills East Private Lands 2001 – 2021

SOPI = Southern Pines/ Pinehurst

MOOR = **Moore County**



SANDHILLS WEST

SANDHILLS GAME LAND (SGL)

- SGL A-BLOCK (no gain?) _____PBG # not finalized
- SGL OUTER BLOCKS not assessed during 2021

CAMP MACKALL + 2 PBG _____(20 PBG)

BLUE + 1 PBG _____(10 PBG)

RCW CLUSTERS on Private Lands + Conservation Properties Cavity Management Fall / Winter 2021-22

Work amongst Partners and Private Land Owners

- Assess suitable cavities in Recovery (WEWO, CALLOWAY MCCAIN) and Safe Harbor Baseline Groups add artificial cavities and restrictors as needed.
- Refurbish abandoned clusters or create new recruitment clusters where desired and spatially appropriate.
- ➤ SOPI: Whereas last year effort and funding secured specifically for Pinehurst Golf Courses No. 1 thru No. 9, target clusters to stabilize historic groups on the Country Club of North Carolina.



Avian Keratin Disorder (AKD)

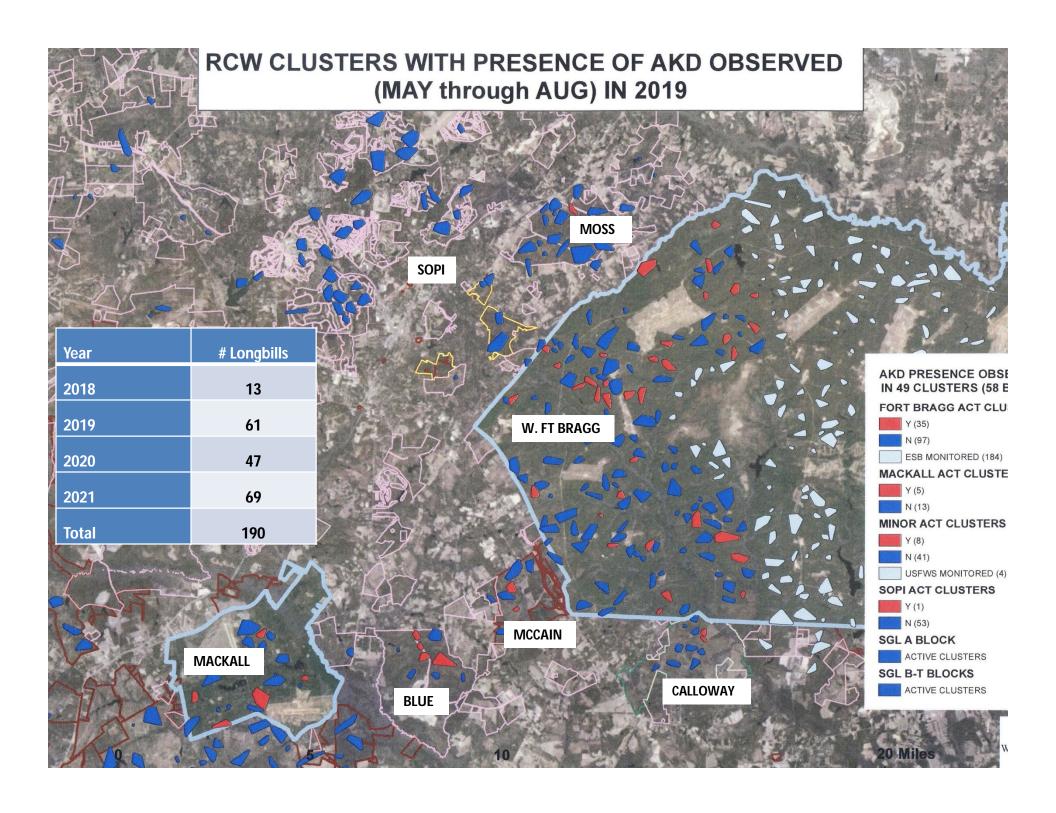
in Red-Cockaded Woodpeckers



Majority of longbilled RCW observed have moderate AKD similar to middle example



Fewer cases of extreme elongation



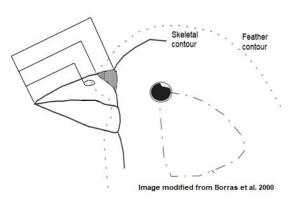
Total number of longbills observed by study area and year (2018-2021)

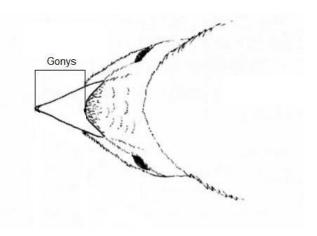
Area	2018	2019	2020	2021	Total
FB	8	44	32	47	131
МАСК	1	4	4	9	18
MCCA	4	2	2	1	9
BLUE	0	4	4	1	9
SOPI	0	3	0	6	9
SGL	0	0	3	5	8
НОКЕ	0	4	2	0	6
Total	13	61	47	69	190

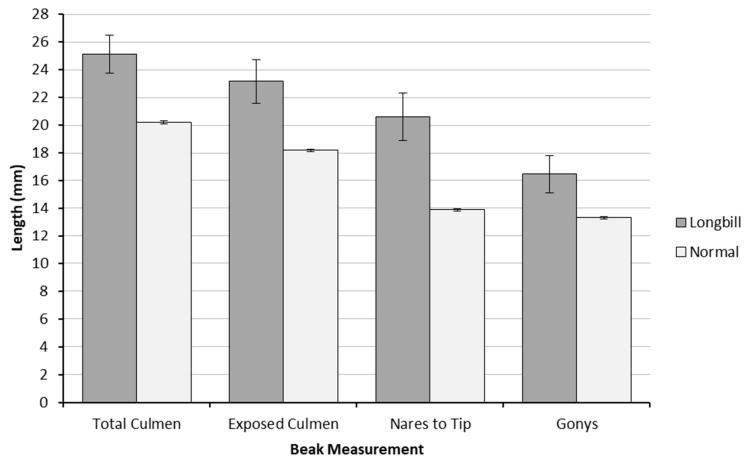
Total number of longbill sightings by month and year (2018-2021)

Month	2018	2019	2020	2021	Longbills
May	0	3	1	1	5
June	1	33	18	33	85
July	7	20	23	29	79
August	4	3	3	6	16
September	1	2	2	0*	5
Total	13	61	47	69	190

Morphometric RCW bill measurements









- AKD seasonal phenomena-normal bill length returns through breakage and/or wear. Prevalence of condition may be under-represented.
- RCW biologists throughout species range alerted, though seemingly afflicting RCW only in the Carolinas, for now.
- 2019 buccal /cloacal swabs tested negative for Poecivirus – USGS lab has 2nd more thorough screening for virus scheduled.
- Future work possibly more swab sampling and examining impacts on the family group level.