

U-2107, US 17  
JACKSONVILLE BYPASS

FIGURE 9

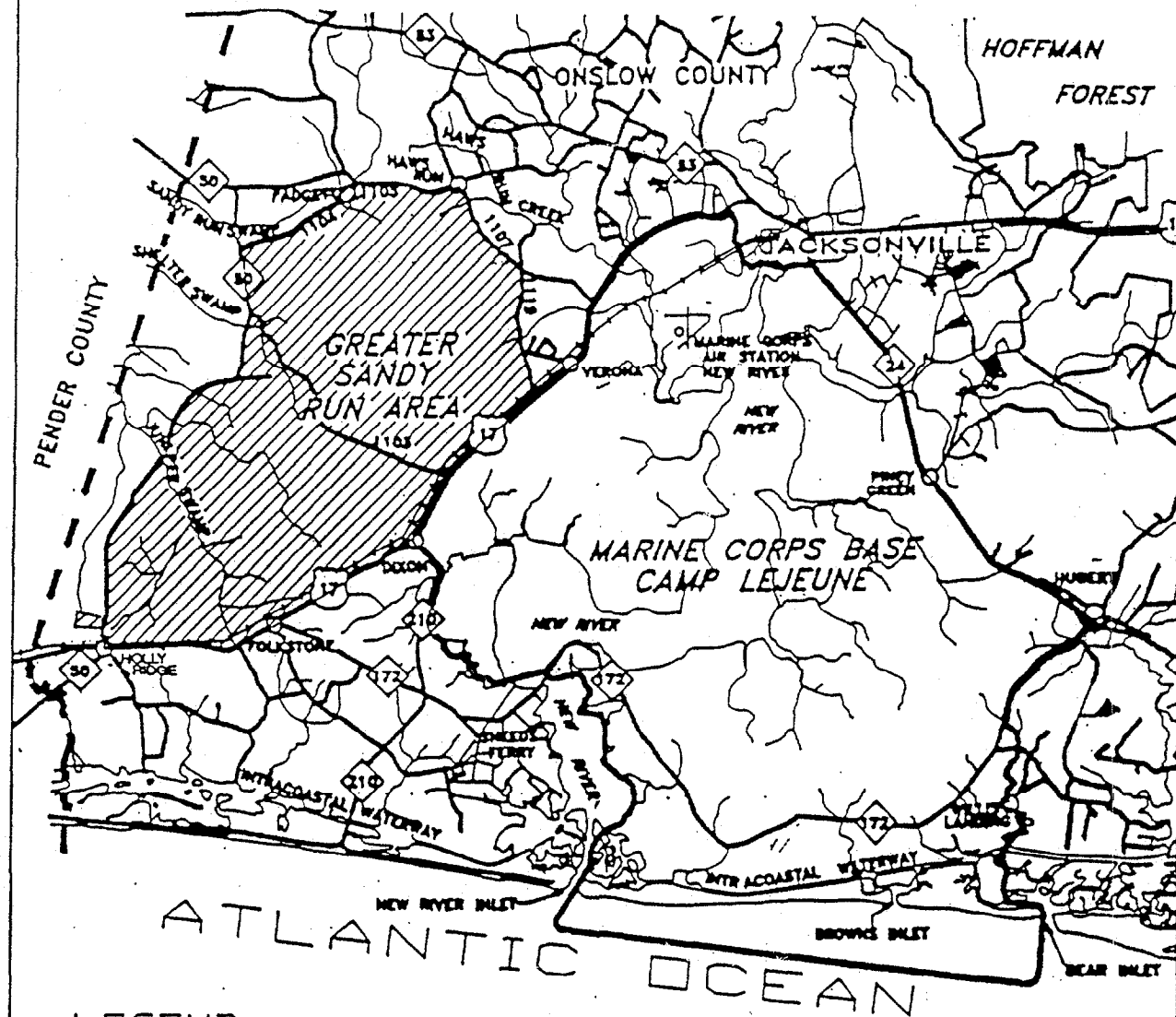
ALTERNATIVE A  
(PREFERRED)

SCALE  
0 2000FT




00294AA01Z

# PROPOSED EXPANSION

M.C.B. Camp Lejeune, North Carolina



## LEGEND

-  = PROPOSED EXPANSION AREA
-  = COUNTY LINE
-  = SEABOARD COAST LINE RAILROAD



0 1 2 3 4  
SCALE IN MILES

### ALTERNATIVE E

JULY 1989

CP#699

Figure 9

Draft Wetland Mitigation Proposal  
U-2107, Jacksonville Bypass  
R-2406, US 17, Holly Ridge to Jacksonville

The preliminary designs and natural system evaluations for the subject projects have identified wetlands that will be impacted due to the construction of the proposed highway facilities. To the maximum extent possible, wetland impacts have been avoided and/or minimized as a design consideration (i.e. a bridge is proposed at Edwards Creek on U-2107 rather than a culvert in order not to disturb the marsh). The unavoidable wetland losses will be mitigated through a compensatory on-site, in-kind restoration/replacement plan. North Carolina Department Of Transportation (NCDOT) proposes to enter into a cooperative plan with the Department of Defense (DOD), US Marine Corps Camp Lejeune, to accomplish the required wetland mitigation for these two highway projects (see attached descriptions and maps).

Camp Lejeune is in the process of acquiring additional land area for the expansion of the Marine Base. Funding necessary to accomplish the required expansion is a part of the DOD FY92 Budget. As such, the process of relocation of residences and businesses located within the proposed land area is scheduled to begin in November or December, 1991. Land acquisition will begin shortly thereafter and continue until all properties located within the area have been acquired. This should be completed by December, 1993.

The Record of Decision (ROD) for this action was published on page 5101 of the October 3, 1991 Federal Register. The ROD was based on the Final EIS circulated May 7, 1991 and the Draft EIS dated July, 1989. The proposed land acquisition is described as Alternate E, Greater Sandy Run Area (see attached Figure 9) and contains approximately 41,000 acres.

An environmental consideration of the proposed DOD land acquisition is to restore 1500 plus acres of pocosin (hydric soil areas) to pocosin and mixed pine-hardwood forest. This will be accomplished by filling or damming drainage structures (ditches) constructed by current land owner, International Paper Company. This will allow the groundwater elevation to return to its previous undisturbed level. Thus, the pine plantations, classified as totally disturbed pocosin, would revert to viable wetland by allowing them to regenerate naturally from on-site seed sources or by planting selected wetland vegetation (see attached list).

The Corps of Engineers, under contract from Camp Lejeune, will develop a mitigation plan for the Base. This plan will identify all reasonably foreseeable wetland fill requirements, to include the two highway projects, identify appropriate mitigation and establish an approved wetlands bank for future mitigation purposes.

Studies to date for both the Camp Lejeune and highway projects have indicated that most of the unavoidable wetland loss is the type that can be compensated in-kind by the pocosin restoration project. The Base Acquisition Area is estimated to have approximately 35 acres, the Jacksonville Bypass has approximately 24 acres, and US 17 Jacksonville to Holly Ridge has 55 acres. The amounts of these acreages which may not qualify as in-kind for the pocosin restoration wetlands (i.e., bottomland hardwoods) will be mitigated on site in areas that have been identified adjacent to the highway projects, or debited from the NCDOT Company Swamp Wetlands Bank at a 3:1 ratio. Compensation ratios of 2:1 for the pocosin and 1½:1 for the bottomland hardwood have been used on similar NCDOT projects for on-site in-kind wetland mitigation.

ENVIRONMENTAL ASSESMENT COMPARRISON SPREADSHEET (WETLANDS)

U.S. 17 - T.I.P. No. R-2406 (from N.C. 50 in Holly Ridge to the Existing 4-Lane Section South of Jacksonville)

JACKSONVILLE BYPASS - T.I.P. No. U-2107 and U-2107A (U.S. 17 from U.S. 258 - N.C. 24 West to U.S. 17 North)

WETLANDS	IMPACTED ACRES		
	U.S. 17	JACKSONVILLE BYPASS	TOTAL
PFO4/PSS7 Palustrine Shrub-Scrub Wetlands	10.8	4.8	15.6
PFO4 (Palustrine Forested, Needle-leaved Evergreen)	8.2	4.0	12.2
PFO1, PFO6 (Palustrine Forested, Broad-leaved Deciduous)	9.9	15.4	25.3
PEM1 (Palustrine Emergent)	35.4	0.0	35.4
TOTALS (ACRES)	64.3	24.2	88.5