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NAS CECIL FIELD, FL
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SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 595 BASE REALIGNMENT AND
CLOSURE ZONE H AVIATION ORDNANCE AREA GROUP 7 NAS CECIL FIELD FL
3/1/1996
ABB ENVIRONMENTAL SERVICES INC

**SAMPLING AND ANALYSIS OUTLINE
BUILDING 595
BASE REALIGNMENT AND CLOSURE
ZONE H, AVIATION ORDNANCE AREA
GROUP VII**

**NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA**

Unit Identification No. N60200

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
BCT	BRAC cleanup team
BRAC	Base Realignment and Closure
EBS	Environmental Baseline Survey
NAS	Naval Air Station
PCB	polychlorinated biphenyls
UST	underground storage tank

1.0 SITE DESCRIPTION

This Base Realignment and Closure (BRAC) Phase II Sampling and Analysis Outline briefly describes and proposes a plan for assessment of Building 595 at Naval Air Station (NAS) Cecil Field. Building 595 is referred to as the Ordnance Administration/Armory Building in the Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994), and is centrally located within the Aviation Ordnance Area.

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 595 was color coded Grey in the EBS Report because a 2000-gallon fuel oil underground storage tank (UST) and a septic system are associated with the property. The BRAC cleanup team (BCT) regards septic tank and leachfield systems as potential pathways for contaminants to enter the groundwater, if improperly used. A pad-mounted transformer west of the building was observed during an August 1995 ABB-ES site reconnaissance walkover visit. The NAS Cecil Field Oil-Filled Electrical Distribution Inventory List for Facility 595 indicates the transformer contains 1,493 parts per million polychlorinated biphenyls (PCBs). The transformer is labelled as PCB-containing and did not exhibit visible indications of past leakage. No other concerns were identified in the EBS Report or during subsequent site walkovers.

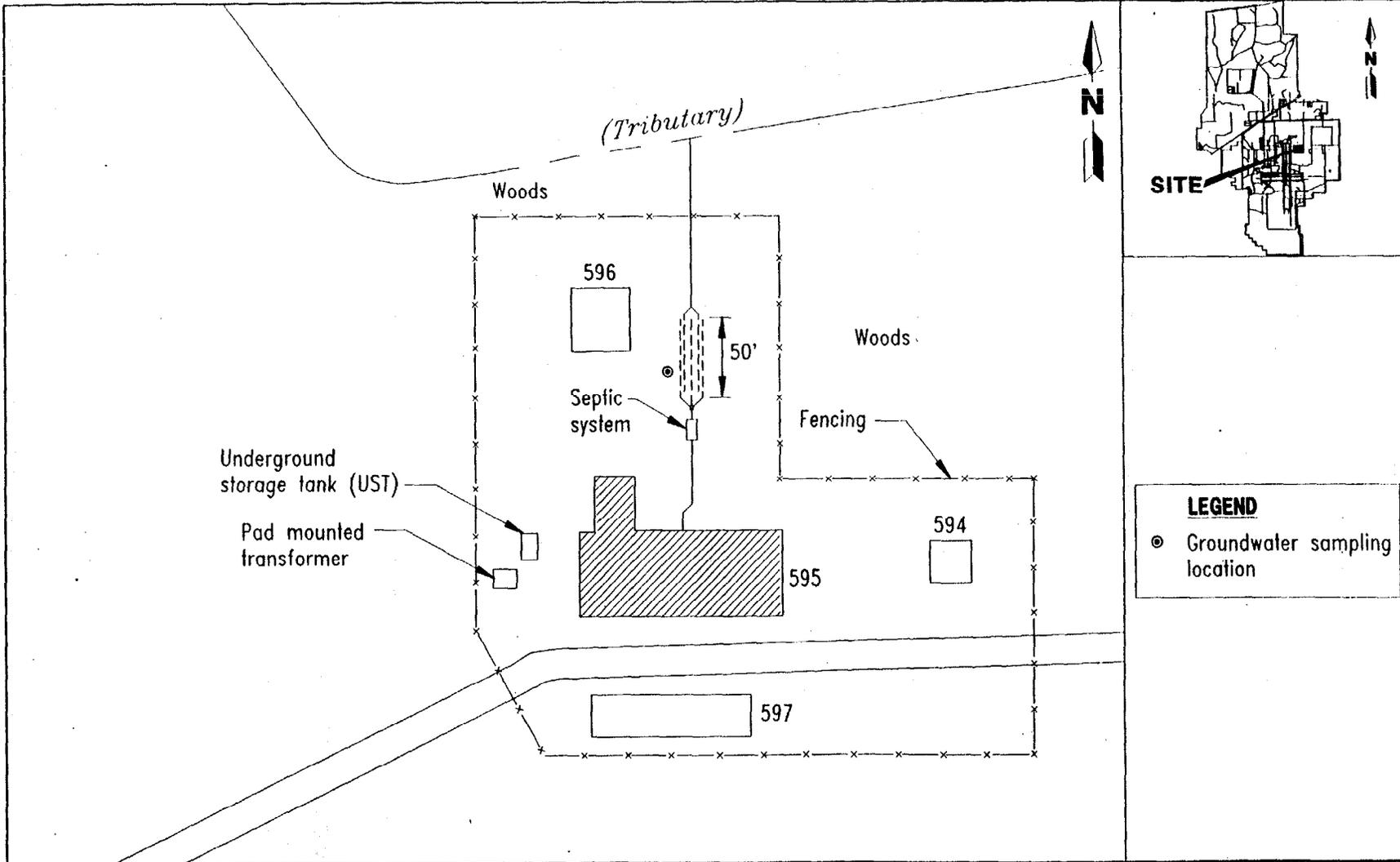
3.0 RECOMMENDATIONS

A Phase II Sampling and Analysis program is recommended to assess whether or not groundwater has been affected by releases from the septic system. Potential environmental concerns associated with the fuel oil UST will be addressed separately by the Tank Management Plan. Management of PCB-contaminated electrical equipment is being coordinated through the NAS Cecil Field Environmental Department.

One groundwater monitoring well will be installed downgradient of the septic system. A groundwater sample will be collected and analyzed to evaluate whether or not groundwater has been affected by releases from the septic system. The proposed sampling location is shown on Figure 1.

The recommended data quality objective for the Phase II Sampling and Analysis program is Level III, to meet the potential need for input to a preliminary risk evaluation, if required. Sample collection techniques, quality assurance objectives, quality control requirements, and sample handling and shipping procedures are outlined in the BRAC Project Operations Plan (ABB-ES, 1994b). Analysis for the full Contract Laboratory program suite of target compound list organics and target analyte list inorganics is recommended.

Analytical results, a contamination assessment, and recommendations for reclassification of the property will be reported in a draft Site Summary report for Building 595. The project team will seek concurrence from the BCT before submitting a final Site Summary report.



0 50 100
SCALE: 1 INCH = 100 FEET

FIGURE 1
BUILDING 595
GUIDED MISSILE FACILITY



GROUP VII SAMPLING AND ANALYSIS OUTLINE

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

4.0 SELECTED REFERENCES

ABB Environmental Services, Inc. (ABB-ES), 1994a, Base Realignment and Closure Environmental Baseline Survey Report, Naval Air Station (NAS) Cecil Field, Jacksonville, Florida: prepared for Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOC), November.

ABB-ES, 1994b, Project Operations Plan for Cecil Field and Health and Safety Plan: prepared for SOUTHNAVFACENGCOC, December.

ABB-ES, in press, Base Realignment and Closure Tank Management Plan for NAS Cecil Field, Jacksonville, Florida: prepared for SOUTHNAVFACENGCOC.