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NAS CECIL FIELD, FL
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SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 540 BASE REALIGNMENT AND
CLOSURE ZONE H UNDEVELOPED EASTERN AREA GROUP 7 NAS CECIL FIELD FL
3/1/1996
ABB ENVIRONMENTAL SERVICES INC

**SAMPLING AND ANALYSIS OUTLINE
BUILDING 540
BASE REALIGNMENT AND CLOSURE
ZONE H, UNDEVELOPED EASTERN AREA
GROUP VII**

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

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GLOSSARY

ABB-ES ABB Environmental Services, Inc.
BCT BRAC cleanup team
BRAC Base Realignment and Closure
EBS Environmental Baseline Survey

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 Facility 540 at Naval Air Station Cecil Field. Facility 540 is referred to as the Air Search Radar Building in the Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994). The facility is located approximately 2,000 feet northeast of the intersection of Runways 36R and 9L.

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Facility 540 was color-coded Grey in the EBS Report because of the presence of a septic tank and storage of petroleum lubricants on the property. A lubrication system is associated with the mechanical components of the radar facility. The BRAC cleanup team (BCT) regards septic tank and leachfield systems as potential pathways for contaminants to enter the groundwater, if improperly used. No other visible concerns were noted during the EBS or during a subsequent ABB-ES site reconnaissance walkover in August 1995.

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.

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.

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.

Analytical results, a contamination assessment, and recommendations for reclassification of the property will be reported in a draft Site Summary report for Building 540. The project team will seek concurrence from the BCT before submitting a final Site Summary report.

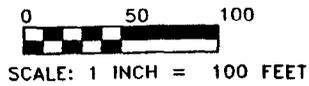
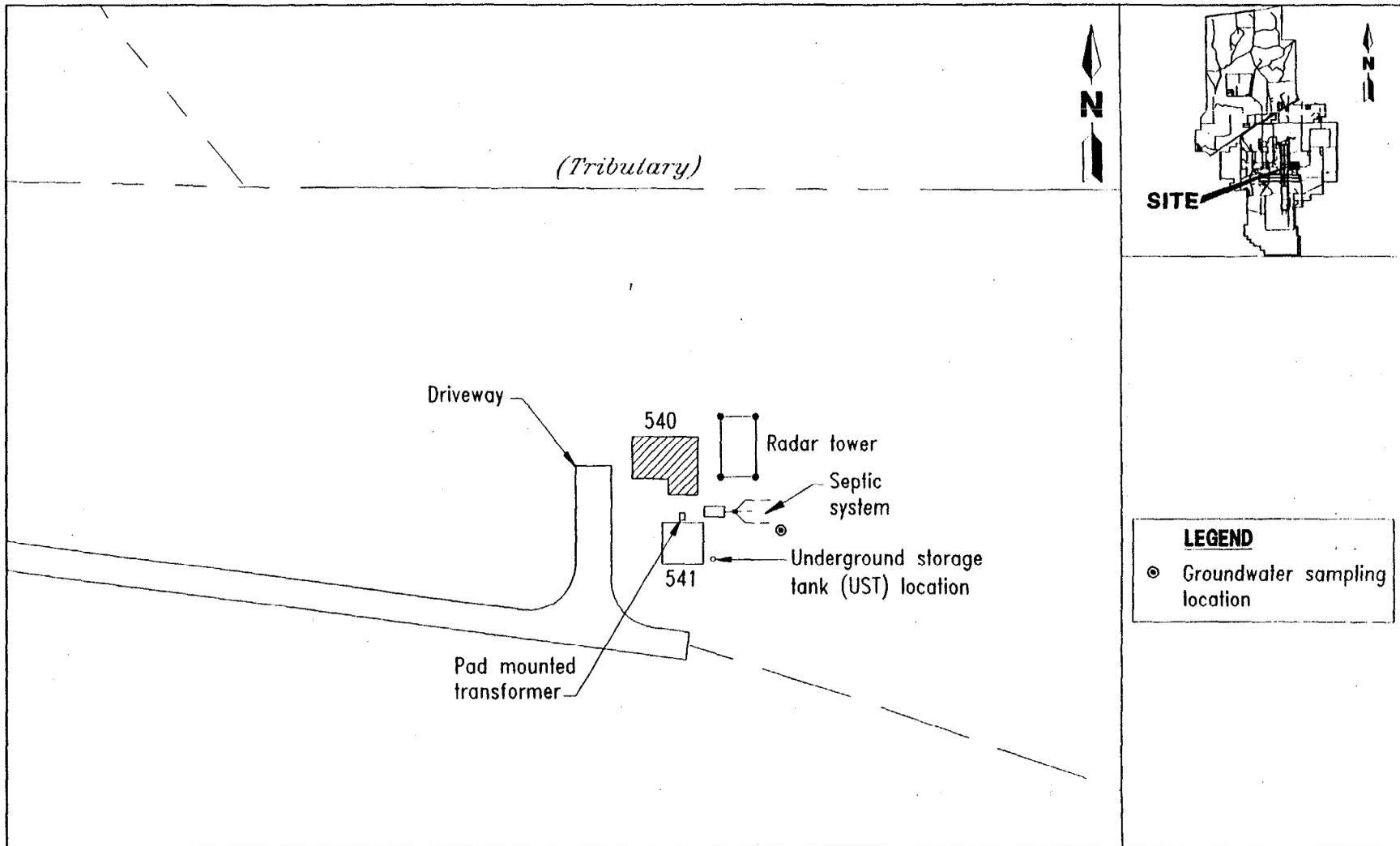


FIGURE 1
BUILDING 540
AIR SEARCH RADAR BUILDING



**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.