

Air Force Base and Army Airfield. The location of HAAF is shown in Figure 1-1.

1.4 SITE LOCATIONS

Figure 1-2 shows the locations of the miscellaneous sites within Hamilton Army Airfield.

1.5 SAMPLING STRATEGY ISSUES

1.5.1 Spoils Pile F for Total DDTs

The regulatory agency has requested the U.S. Army collect and analyze samples from the eastern edge of the excavation and the area just south of the over-excavation area of this Spoils Pile. The additional samples will be used to determine if the higher levels of DDT associated with this area have been removed.

1.5.2 South of the Runway DDT Hotspot

Sampling and analysis with field kits will be used to determine the extent of DDT in this area. Lab verification samples will be analyzed to verify the results of the field test kits.

1.5.3 Building 35 for Total DDTs

DDTs were found in the soil adjacent to excavation removal activities at Building 35.

1.5.4 Unlined Perimeter Drainage Ditch (PDD) for Total DDTs

Previous investigations show localized concentrations of DDT were identified at a concentration above 1 mg/kg. Investigate these areas to determine the extent of the contamination.

1.5.5 Revetments 6 and 7 for Mercury

Sampling and analysis will determine if mercury is present in either of the revetments.

1.5.6 Firing-In Target Butt (ASR # 19) for Selected Metals

Sampling and analysis will determine if unacceptable levels of metals (antimony, arsenic, cadmium, chromium, copper, lead, nickel, and zinc) are in the soil or if ammunition

fragments are present. The results will be used to determine if further investigation of the site is required.

1.5.7 Skeet Range (ASR # 18) for Selected Metals and PAHs

Sampling and analysis will determine if unacceptable levels of metals (antimony, arsenic, cadmium, chromium, copper, lead, nickel, and zinc) and PAHs from the clay pigeons are present in the soil, or if skeet and ammunition fragments are present. The results will determine if further investigation of the site is required.

1.5.8 Testing Range (ASR # 4) for Selected Metals

Sampling and analysis will determine if unacceptable levels of metals (antimony, arsenic, cadmium, chromium, copper, lead, nickel, and zinc) are present at this site. Samples will be collected along the length of the Testing Range Area on the inboard side of the levee.

1.6 CHEMICALS OF CONCERN

The chemicals of concern for the miscellaneous investigation are Total DDTs [Dichlorodiphenyltrichloroethane (DDT), Dichlorodiphenyldichloroethylene (DDD) and Dichlorodiphenyldichloroethane (DDE) (Total DDT as the sum of DDT, DDD, and DDE)] at the Spoils Pile F, Total DDTs at the South of the Runway DDT Hotspot, Total DDTs at Building 35, Total DDTs at the Unlined PDD, mercury at Revetments 6 and 7, selected metals (antimony, arsenic, cadmium, chromium, copper, lead, nickel, and zinc) at the Firing-In Target Butt, selected metals (antimony, arsenic, cadmium, chromium, copper, lead, nickel, and zinc) and Polynuclear Aromatic Hydrocarbons (PAHs) at the Skeet Range, and selected metals (antimony, arsenic, cadmium, chromium, copper, lead, nickel, and zinc) at the Testing Range.