

5.0 SAMPLE CHAIN OF CUSTODY/DOCUMENTATION

5.1 FIELD LOGBOOK

All field logbook information will follow structures identified in Section 5.1 of the facility-wide SAP.

5.2 PHOTOGRAPHS

Information regarding the documentation of photographs for the NACA Test Area is presented in Section 4.3.2.4.3 of the facility-wide SAP. Representative photographs will be taken of the investigative measures during the Phase I RI and of any significant observations that are made during the field effort. Photographs will be suitable for presentation in a public forum, as well as for documenting scientific information.

5.3 SAMPLE NUMBERING SYSTEM

The sample numbering system that will be used to identify samples collected during the Phase I RI of the NACA Test Area is explained in Section 5.3 of the facility-wide SAP. The specific identifying information that will be used to implement this system during the Phase I RI is presented in [Figure 5-1](#), [Tables 5-1](#) and [5-2](#) present the baseline sample identification listing for the Phase I RI. Samples collected in addition to the baseline set will be identified sequentially following the numbering system. If a sample in the baseline set is not collected, a specific reason and notation will be given in the project field logbooks.

5.4 SAMPLE DOCUMENTATION

All sample-label, logbook, field-record, and field-form information will follow structures identified in Section 5.4 of the facility-wide SAP.

5.5 DOCUMENTATION PROCEDURES

Documentation and tracking of samples and field information will follow the series of steps identified in Section 5.5 of the facility-wide SAP.

5.6 CORRECTIONS TO DOCUMENTATION

Any corrections to documentation will follow guidance established in Section 5.6 of the facility-wide SAP.

5.7 MONTHLY REPORTS

Monthly reports will not be submitted during the Phase I RI for the NACA Test Area.

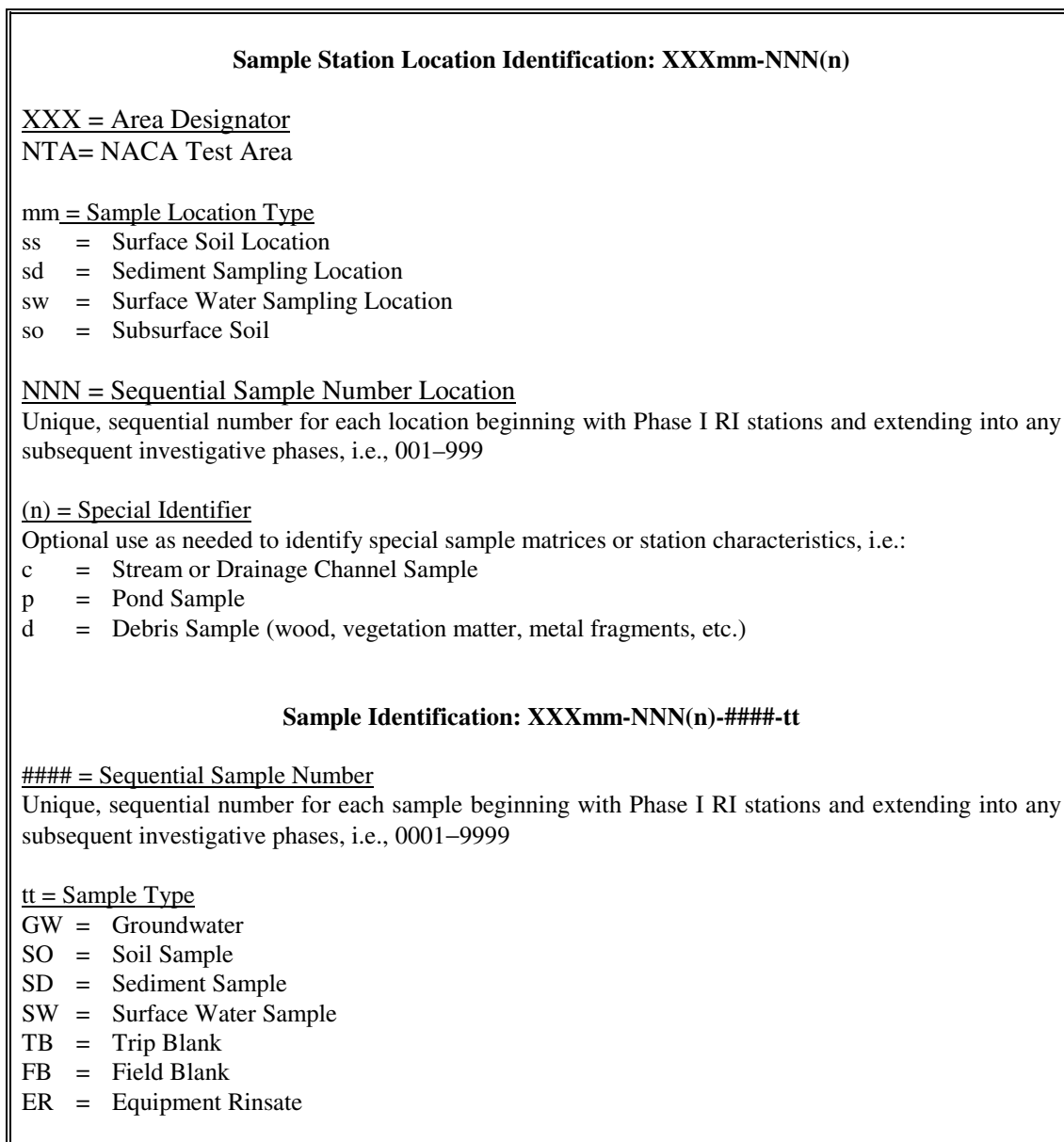


Figure 5-1. NACA Test Area Phase I RI Baseline Sample Identification List

Table 5-1. NACA Test Area Phase I RI Baseline Soil Sample Identification List

| Area (No. of Stations) | Depth (feet) | Sample Station ID | Sample ID | CHEMICAL ANALYSES | | | | | | GEOTECHNICAL ANALYSES | | | |
|---------------------------|--------------|-------------------|-------------------|-------------------|-------|------------------|------------------|------------------|--------|-----------------------|----|------|-----------------------------|
| | | | | VOCs | SVOCs | PCBs | Explosives | Propellants | Metals | Cyanide | AL | USCS | Shelby ^a tube |
| Crash Area (64) | 0-1 | NTA-001 | NTAss-001-0001-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-002 | NTAss-002-0002-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-003 | NTAss-003-0003-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-004 | NTAss-004-0004-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-005 | NTAss-005-0005-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-006 | NTAss-006-0006-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-007 | NTAss-007-0007-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-008 | NTAss-008-0008-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-009 | NTAss-009-0009-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-010 | NTAss-010-0010-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-011 | NTAss-011-0011-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-012 | NTAss-012-0012-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-013 | NTAss-013-0013-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-014 | NTAss-014-0014-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-015 | NTAss-015-0015-SO | X | X | | | | X | X | X | X | |
| | 0-1 | NTA-016 | NTAss-016-0016-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-017 | NTAss-017-0017-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-018 | NTAss-018-0018-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-019 | NTAss-019-0019-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-020 | NTAss-020-0020-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-021 | NTAss-021-0021-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-022 | NTAss-022-0022-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-023 | NTAss-023-0023-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-024 | NTAss-024-0024-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-025 | NTAss-025-0025-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-026 | NTAss-026-0026-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-027 | NTAss-027-0027-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-028 | NTAss-028-0028-SO | X | X | | | | X | X | X | X | |
| | 0-1 | NTA-029 | NTAss-029-0029-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-030 | NTAss-030-0030-SO | X | X | Seven | Seven | Seven | X | X | | | |
| | 0-1 | NTA-031 | NTAss-031-0031-SO | X | X | PCB | explosive | propellant | X | X | | | |
| | 0-1 | NTA-032 | NTAss-032-0032-SO | X | X | samples | samples | samples | X | X | | | |
| | 0-1 | NTA-033 | NTAss-033-0033-SO | X | X | to be | to be | to be | X | X | | | |
| | 0-1 | NTA-034 | NTAss-034-0034-SO | X | X | collected | collected | collected | X | X | | | |
| | 0-1 | NTA-035 | NTAss-035-0035-SO | X | X | within the | within the | within the | X | X | | | |
| | 0-1 | NTA-036 | NTAss-036-0036-SO | X | X | crash area | crash area | crash area | X | X | | | |
| | 0-1 | NTA-037 | NTAss-037-0037-SO | X | X | locations | locations | locations | X | X | | | |
| | 0-1 | NTA-038 | NTAss-038-0038-SO | X | X | TBD ^b | TBD ^b | TBD ^b | X | X | | | |
| | 1-3 | NTA-038 | NTAso-038-0039-SO | | | | | | | | | | X |

Table 5-1 (continued)

| Area (No. of Stations) | Depth (feet) | Sample Station ID | Sample ID | CHEMICAL ANALYSES | | | | | | | GEOTECHNICAL ANALYSES | | |
|---------------------------|--------------|-------------------|-------------------|-------------------|-------|------|------------|-------------|--------|---------|-----------------------|------|-----------------------------|
| | | | | VOCs | SVOCs | PCBs | Explosives | Propellants | Metals | Cyanide | AL | USCS | Shelby ^a tube |
| | 0-1 | NTA-039 | NTAss-039-0040-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-040 | NTAss-040-0041-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-041 | NTAss-041-0042-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-042 | NTAss-042-0043-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-043 | NTAss-043-0044-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-044 | NTAss-044-0045-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-045 | NTAss-045-0046-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-046 | NTAss-046-0047-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-047 | NTAss-047-0048-SO | X | X | | | | X | X | X | X | |
| | 0-1 | NTA-048 | NTAss-048-0049-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-049 | NTAss-049-0050-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-050 | NTAss-050-0051-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-051 | NTAss-051-0052-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-052 | NTAss-052-0053-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-053 | NTAss-053-0054-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-054 | NTAss-054-0055-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-055 | NTAss-055-0056-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-056 | NTAss-056-0057-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-057 | NTAss-057-0058-SO | X | X | | | | X | X | | | |
| | 1-3 | NTA-057 | NTAso-057-0059-SO | | | | | | | | | | X |
| | 0-1 | NTA-058 | NTAss-058-0060-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-059 | NTAss-059-0061-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-060 | NTAss-060-0062-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-061 | NTAss-061-0063-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-062 | NTAss-062-0064-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-063 | NTAss-063-0065-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-064 | NTAss-064-0066-SO | X | X | | | | X | X | | | |
| Plane Burial Area (18) | 0-1 | NTA-065 | NTAss-065-0067-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-065-0068-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-066 | NTAss-066-0069-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-066-0070-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-067 | NTAss-067-0071-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-067-0072-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-068 | NTAss-068-0073-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-068-0074-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-069 | NTAss-069-0075-SO | X | X | | | | X | X | X | X | |
| | 1-3 | | NTAso-069-0076-SO | X | X | | | | X | X | X | X | |
| | 1-3 | | NTAso-069-0077-SO | | | | | | | | | | X |

Table 5-1 (continued)

| Area (No. of Stations) | Depth (feet) | Sample Station ID | Sample ID | CHEMICAL ANALYSES | | | | | | | GEOTECHNICAL ANALYSES | | |
|-------------------------------------|--------------|-------------------|-------------------|-------------------|-------|------------------|------------------|------------------|--------|---------|-----------------------|------|-----------------------------|
| | | | | VOCs | SVOCs | PCBs | Explosives | Propellants | Metals | Cyanide | AL | USCS | Shelby ^a tube |
| | 0-1 | NTA-070 | NTAss-070-0078-SO | X | X | Two | Two | Two | X | X | | | |
| | 1-3 | | NTAso-070-0079-SO | X | X | surface | surface | surface | X | X | | | |
| | 0-1 | NTA-071 | NTAss-071-0080-SO | X | X | and two | and two | and two | X | X | | | |
| | 1-3 | | NTAso-071-0081-SO | X | X | subsurface | subsurface | subsurface | X | X | | | |
| | 0-1 | NTA-072 | NTAss-072-0082-SO | X | X | PCB | explosive | propellant | X | X | | | |
| | 1-3 | | NTAso-072-0083-SO | X | X | samples | samples | samples | X | X | | | |
| | 0-1 | NTA-073 | NTAss-073-0084-SO | X | X | to be | to be | to be | X | X | | | |
| | 1-3 | | NTAso-073-0085-SO | X | X | collected | collected | collected | X | X | | | |
| | 0-1 | NTA-074 | NTAss-074-0086-SO | X | X | within the | within the | within the | X | X | | | |
| | 1-3 | | NTAso-074-0087-SO | X | X | burial area | burial area | burial area | X | X | | | |
| | 0-1 | NTA-075 | NTAss-075-0088-SO | X | X | locations | locations | locations | X | X | | | |
| | 1-3 | | NTAso-075-0089-SO | X | X | TBD ^b | TBD ^b | TBD ^b | X | X | | | |
| | 0-1 | NTA-076 | NTAss-076-0090-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-076-0091-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-077 | NTAss-077-0092-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-077-0093-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-078 | NTAss-078-0094-SO | X | X | | | | X | X | X | X | |
| | 0-1 | NTA-079 | NTAss-079-0095-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-079-0096-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-080 | NTAss-080-0097-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-081 | NTAss-081-0098-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-082 | NTAss-082-0099-SO | X | X | | | | X | X | | | |
| Plane Fueling/Catapult Area (13) | 0-1 | NTA-083 | NTAss-083-0100-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-083-0101-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-084 | NTAss-084-0102-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-084-0103-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-085 | NTAss-085-0104-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-085-0105-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-086 | NTAss-086-0106-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-087 | NTAss-087-0107-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-088 | NTAss-088-0108-SO | X | X | X | | | X | X | | | |
| | 0-1 | NTA-089 | NTAss-089-0109-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-090 | NTAss-090-0110-SO | X | X | | X | X | X | X | X | X | |
| | 0-1 | NTA-091 | NTAss-091-0111-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-092 | NTAss-092-0112-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-093 | NTAss-093-0113-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-094 | NTAss-094-0114-SO | X | X | | | | X | X | | | |
| | 0-1 | NTA-095 | NTAss-095-0115-SO | X | X | | | | X | X | | | |
| | 1-3 | | NTAso-095-0116-SO | X | X | | | | X | X | | | |

Table 5-1 (continued)

| Area (No. of Stations) | Depth (feet) | Sample Station ID | Sample ID | CHEMICAL ANALYSES | | | | | | | GEOTECHNICAL ANALYSES | | |
|------------------------------------------------|--------------|---------------------|--------------------|-------------------|------------|-----------|------------|-------------|------------|------------|-----------------------|----------|-----------------------------|
| | | | | VOCs | SVOCs | PCBs | Explosives | Propellants | Metals | Cyanide | AL | USCS | Shelby ^a tube |
| Ditches flowing from the NACA Test Area (3) | 0 - 1 | NTA-096 | NTAss-096-0117-SO | X | X | X | | | X | X | | | |
| | 0 - 1 | NTA-097 | NTAss-097-0118-SO | X | X | | X | X | X | X | | | |
| | 0 - 1 | NTA-098 | NTAss-098-0119-SO | X | X | | | | X | X | | | |
| Contingency (2) | 0 - 1 | NTA-099 | NTAss-099-0120-SO | X | X | X | | | X | X | | | |
| | 1 - 3 | | NTAso-099-0121-SO | X | X | | | | X | X | | | |
| | 0 - 1 | NTA-100 | NTAss-100-0122-SO | X | X | | | | X | X | | | |
| | 1 - 3 | | NTAso-100-0123-SO | X | X | | | | X | X | | | |
| TOTALS | | 100 Stations | 123 Samples | 120 | 120 | 14 | 13 | 13 | 120 | 120 | 7 | 7 | 3 |
| FIELD DUPLICATES = 11 TOTAL | | | | 12 | 12 | 2 | 2 | 2 | 12 | 12 | | | |
| USACE QA SPLIT SAMPLES = 11 TOTAL | | | | 12 | 12 | 2 | 2 | 2 | 12 | 12 | | | |
| TRIP BLANKS = 0 TOTAL | | | | | | | | | | | | | |
| EQUIPMENT RINSATES = 0 TOTAL | | | | | | | | | | | | | |

^a Shelby tube = grain size, pH, redox potential, organic carbon content, bulk density, specific gravity, soil permeability, moisture content, and Atterberg Limits.

^b TBD samples will be collected from identified sample stations within the area based on field observations of stained soil or other evidence of contamination and are not new sample stations.

AL = Atterberg Limits.

ID = Identification.

NACA = National Advisory Committee on Aeronautics.

PCB = Polychlorinated biphenyl.

QA = Quality assurance.

RI = Remedial Investigation.

SVOC = Semivolatile organic compound.

USACE = U.S. Army Corps of Engineers.

USCS = Unified Soil Classification System.

VOC = Volatile organic compound.

Table 5-2. NACA Test Area Phase I RI Baseline Sediment and Surface Water Sample Identification List

| Area (No. of Stations) | Depth (feet) | Sample Station ID | Sample ID | VOCs | SVOCs | PCBs | Explosives | Propellants | Metals | Cyanide | TOC | GS |
|----------------------------------|--------------|-------------------|-------------------|----------|----------|----------|------------|-------------|----------|----------|----------|----------|
| <i>Sediment Stations</i> | | | | | | | | | | | | |
| Well Pit (1) | NA | NTA-101 | NTAsd-101-0124-SD | X | X | X | X | X | X | X | X | X |
| Reservoir (1) | NA | NTA-102 | NTAsd-102-0125-SD | X | X | X | X | X | X | X | X | X |
| Tributary to Hinkley Cr. (1) | NA | NTA-103 | NTAsd-103-0126-SD | X | X | X | X | X | X | X | X | X |
| Drainages north of NACA (1) | NA | NTA-104 | NTAsd-104-0127-SD | X | X | X | X | X | X | X | X | X |
| | NA | NTA-105 | NTAsd-105-0128-SD | X | X | X | X | X | X | X | X | X |
| Hinkley Cr. south of NACA (1) | NA | NTA-106 | NTAsd-106-0129-SD | X | X | X | X | X | X | X | X | X |
| TOTALS | | 6 Stations | 6 Samples | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| FIELD DUPLICATES = 1 TOTAL | | | | | | | | | | | | |
| USACE QA SPLIT SAMPLES = 1 TOTAL | | | | | | | | | | | | |
| TRIP BLANKS = 0 TOTAL | | | | | | | | | | | | |
| FIELD BLANKS = 0 TOTAL | | | | | | | | | | | | |
| EQUIPMENT RINSATES = 0 TOTAL | | | | | | | | | | | | |
| <i>Surface Water Stations</i> | | | | | | | | | | | | |
| Well Pit (1) | NA | NTA-101 | NTAsw-101-0130-SW | X | X | X | X | X | X | X | | |
| Reservoir (1) | NA | NTA-102 | NTAsw-102-0131-SW | X | X | X | X | X | X | X | | |
| Tributary to Hinkley Cr. (1) | NA | NTA-103 | NTAsw-103-0132-SW | X | X | X | X | X | X | X | | |
| Drainages north of NACA (2) | NA | NTA-104 | NTAsw-104-0133-SW | X | X | X | X | X | X | X | | |
| | NA | NTA-105 | NTAsw-105-0134-SW | X | X | X | X | X | X | X | | |
| Hinkley Cr. south of NACA (1) | NA | NTA-106 | NTAsw-106-0135-SW | X | X | X | X | X | X | X | | |
| TOTALS | | 6 Stations | 6 Samples | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| FIELD DUPLICATES = 1 TOTAL | | | | | | | | | | | | |
| USACE QA SPLIT SAMPLES = 1 TOTAL | | | | | | | | | | | | |
| TRIP BLANKS = 1 TOTAL | | | | | | | | | | | | |
| FIELD BLANKS = 1 TOTAL | | | | | | | | | | | | |
| EQUIPMENT RINSATES = 1 TOTAL | | | | | | | | | | | | |
| <i>Groundwater Stations</i> | | | | | | | | | | | | |
| Crash area (1) | Water table | NTA-038 | NTAso-038-0136-GW | 1 | 1 | | 1 | 1 | 1 | | | |
| TOTALS | | 1 Station | 1 Sample | 1 | 1 | | 1 | 1 | 1 | | | |
| FIELD DUPLICATES = 0 TOTAL | | | | | | | | | | | | |
| USACE QA SPLIT SAMPLES = 0 TOTAL | | | | | | | | | | | | |
| TRIP BLANKS = 1 TOTAL | | | | | | | | | | | | |
| FIELD BLANKS = 0 TOTAL | | | | | | | | | | | | |
| EQUIPMENT RINSATES = 0 TOTAL | | | | | | | | | | | | |

Table 5-2 (continued)

| Area (No. of Stations) | Depth (feet) | Sample Station ID | Sample ID | VOCs | SVOCs | PCBs | Explosives | Propellants | Metals | Cyanide | TOC | GS |
|-----------------------------------|---------------------|--------------------------|------------------|-------------|--------------|-------------|-------------------|--------------------|---------------|----------------|------------|-----------|
|-----------------------------------|---------------------|--------------------------|------------------|-------------|--------------|-------------|-------------------|--------------------|---------------|----------------|------------|-----------|

GS = Grain size.

ID = Identification.

NA = Not applicable.

NACA = National Advisory Committee on Aeronautics.

NTA = NACA Test Area.

PCB = Polychlorinated biphenyl.

QA = Quality assurance.

RI = Remedial Investigation.

SVOC = Semivolatile organic compound.

TOC = Total organic compound.

USACE = U.S. Army Corps of Engineers.

USCS = Unified Soil Classification System.

VOC = Volatile organic compound.