

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-15 ME LFGP SWSED Sampling\



STREAM SEDIMENT ASSESSMENT

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000870 TASK ORDER 870-RI-15
REMOUNT ROAD, CHARLOTTE, MECKLENBURG COUNTY NC

SCALE:
1" = 200'

DATE:
10/28/2025

PROJECT NUMBER
215952

FIGURE NO.

7

SD-1/DUP-6102025-SD mg/kg	
Benzo(a)anthracene	1.70 J
Benzo(a)pyrene	0.868 J
Benzo(b)fluoranthene	3.04
Arsenic	1.15
Cobalt	7.72
Manganese	280
Hexavalent Chromium	2.56
Risk Assessment	
CR:	2.5E-05
HI:	0.95

SD-2 mg/kg	
Arsenic	1.91
Cobalt	8.80
Manganese	425
Risk Assessment	
CR:	3.8E-06
HI:	0.82

SD-3 mg/kg	
Arsenic	1.02
Cobalt	10.6
Manganese	259
Risk Assessment	
CR:	1.5E-06
HI:	0.72

SD-4 mg/kg	
Arsenic	0.926
Cobalt	11.7
Manganese	475
Vanadium	39.9
Hexavalent Chromium	1.64
Risk Assessment	
CR:	3.1E-06
HI:	0.94

SD-5 mg/kg	
Arsenic	1.40
Cobalt	23.7
Manganese	559
Vanadium	93.0
Hexavalent Chromium	1.15
Risk Assessment	
RES CR:	3.3E-06
RES HI:	1.7

NOTES:
STREAM SEDIMENT SAMPLES WERE COLLECTED ON JUNE 10, 2025.
STREAM SEDIMENT SAMPLE RESULTS THAT EXCEEDED THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) RESIDENT SOIL SCREENING LEVELS ARE SHOWN.
SEE TABLE 8 FOR ENTIRE STREAM SEDIMENT ANALYSIS DETECTIONS.
mg/kg: MILLIGRAM PER KILOGRAM
J: LABORATORY ESTIMATED VALUE
RISK VALUES ARE SHOWN FOR RESIDENTIAL RECEPTOR.
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Hillshade: Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community
World Topographic Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

0 200 400
(FEET)

- Surface Water and Sediment Sample Locations
- Mecklenburg County Property
- City of Charlotte Property
- Mecklenburg County Parcels
- Surface Water