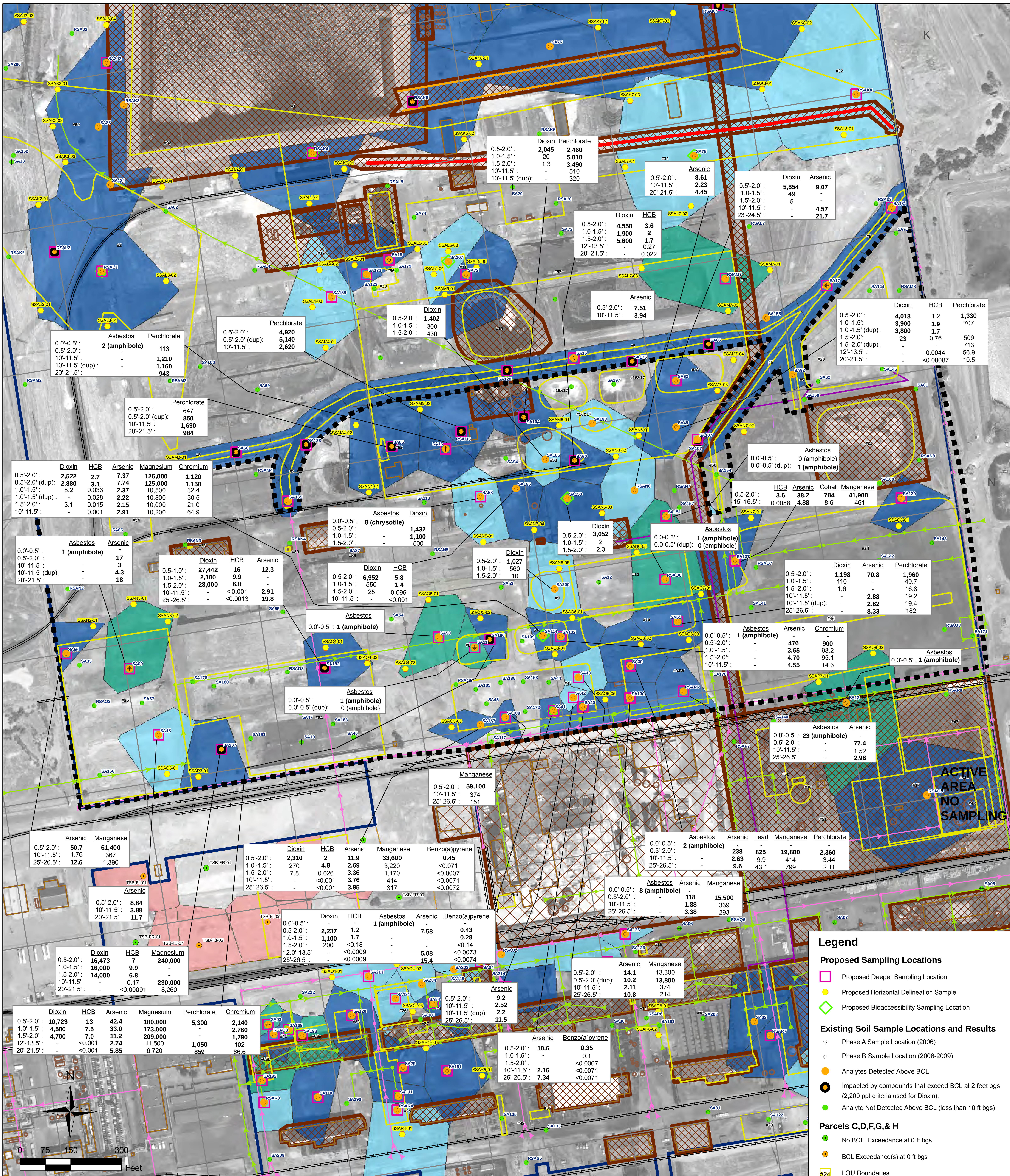
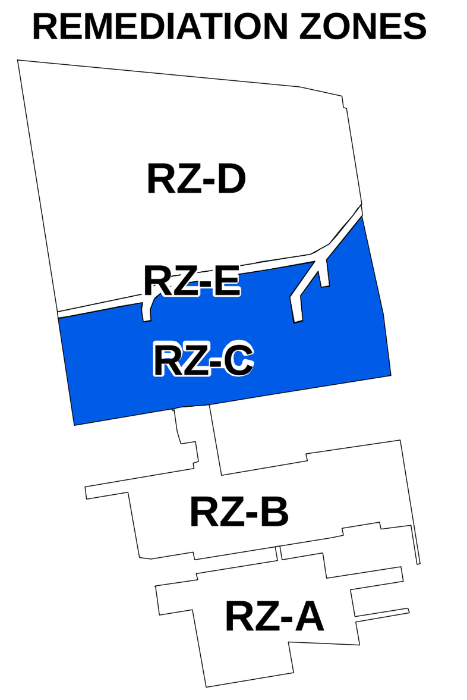


REMEDIATION ZONES



Polygon Interpolation Areas (Soil less than 10 ft bgs) (Voronoi/Thiessen Polygons)

- Polygon area based on single sample location above Criteria 1*
- 1 long amphibole fiber with no other risk drivers
- Polygon area based on single sample location above Criteria 2*

*Polygon Area Exceedance Criteria

Criteria 1 [Dark Blue]: Analytes detected above NDEP Worker BCLs or following criteria:
Arsenic greater than 18 mg/kg
Chrysotile long fiber count greater than 13
Amphibole long fiber count greater than 1
Dioxin greater than 2,200 ppt

Criteria 2 [Light Blue]: Analytes detected above NDEP Worker BCLs or following criteria:
Arsenic greater than 7.2 mg/kg and less than 18 mg/kg,
Chrysotile long fiber count greater than 5 and less than or equal to 13,
Dioxin greater than 1,000 ppt and less than 2,200 ppt, and/or
low levels of PAHs

Abbreviations:

dup	Field Duplicate
HCB	Hexachlorobenzene

Notes:
Units for asbestos in number of long fibers and dioxin is parts per trillion (ppt), all other units are in milligrams per kilogram (mg/kg).

LOU Areas Within Remediation Zone C (RZ-C)

LOU 7 - Old P-2 Pond and Associated Conveyance Facilities
LOU 8 - Old P-3 Pond and Associated Conveyance Facilities
LOU 9 - New P-2 Pond and Associated Piping
LOU 13 - Pond S-1
LOU 14 - Pond P-1 and Associated Conveyance Piping
LOU 16-17 - Ponds AP-1 through AP-3 and Associated Transfer Lines
LOU 18 – Pond AP-4
LOU 20 - Pond C-1 and Associated Piping in Area II
LOU 21 - Pind Mn-1 and Associated Piping
LOU 24 - Leach Beds, Assoicated Conveyance Facilities and Manganese Tailings Area
LOU 34W - Historic Manganese Tailings Area, West
LOU 35 – Truck Emptying/Dumping Site
LOU 38 - Former Satellite Accumulation Point, AP Laboratory
LOU 39 - Satellite Accumulation Point, AP Maintenance Shop
LOU 45 – Diesel Storage Tanks
LOU 46 - Former Old Main Cooling Tower and Recirculation Lines
LOU 52 - AP Plant Screening and Drying Building and Associated Piping
LOU 53 – AP Plant Area Tank Farm
LOU 54 - AP Plant Area Change House/ Laboratory Septic Tank
LOU 57 - AP Plant Transfer Lines to Sodium Chlorate
LOU 64 – Koch Materials Company Site

Legend

Proposed Sampling Locations

- Proposed Deeper Sampling Location
- Proposed Horizontal Delineation Sample
- Proposed Bioaccessibility Sampling Location

Existing Soil Sample Locations and Results

- Phase A Sample Location (2006)
- Phase B Sample Location (2008-2009)
- Analytes Detected Above BCL
- Impacted by compounds that exceed BCL at 2 feet bgs (2,200 ppt criteria used for Dioxin).
- Analyte Not Detected Above BCL (less than 10 ft bgs)

Parcels C,D,F,G,& H

- No BCL Exceedance at 0 ft bgs
- BCL Exceedance(s) at 0 ft bgs
- #24 LOU Boundaries
- Groundwater recharge trenches to be retained
- Groundwater barrier wall to be retained
- Associate LOU Pipelines
- LOU #60 Acid Drain System
- LOU #59 Storm Sewer System
- Site features (Buildings and Tanks)
- Tronox Facilities to be retained
- ChemStar Property to be retained
- Proposed Scrape Areas for parcels
- Remediation Zone Boundary

Coordinate Projection: Stateplane, Nevada East, NAD83, Feet
Base Aerial Photo: September, 2008

FIGURE NUMBER: 1-3
SHEET NUMBER: 1

REMEDIATION ZONE C (RZ-C)
AMMONIA PERCHLORATE PRODUCTION AREA, KOCH MATERIALS AREA, POND AND DIESEL STORAGE TANK AREA, MANGANESE TAILINGS AREA
Tronox Facility
Henderson, Nevada

SCALE:	DATE:	PROJECT NUMBER:
1"= 150'	03/01/2010	2027.01

DESIGNED BY:	
DRAWN BY:	NGEM
CHECKED BY:	NGEM
APPROVED BY:	NGEM

REVISIONS

NO.:	DESCRIPTION:	DATE:	BY:

northgate environmental management, inc.
TRONOX
http://www.ngem.com