

EDEN NORTH CAROLINA COAL ASH SPILL ASH RESULTS

The attached data represents a composite sample that was collected from the ash pond on February 6, 2014 by EPA START (Team 1). Ash sample measurements are shown in milligrams per kilogram (mg/kg), milligrams per liter (mg/L) and micrograms per kilogram ($\mu\text{g}/\text{kg}$). Specific qualifiers and footnotes are listed below the summary table. This sample represents the chemical profile of the source material and will aid in determining what analytes to look for in down stream samples (water and sediment). It is not being compared to a risk based screening level.

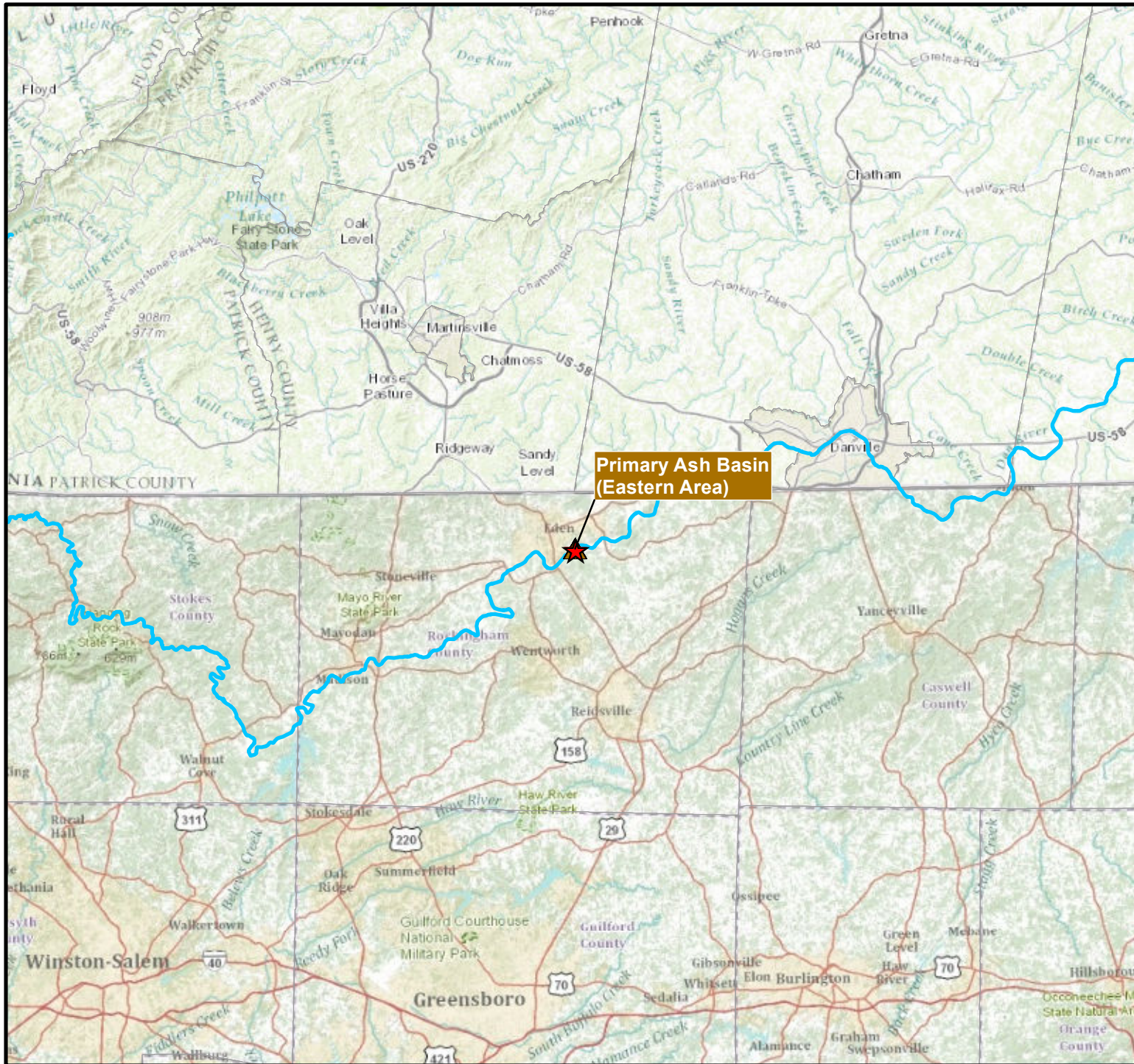
Analyte	Primary Ash Basin
Sample Information	
Sample ID	EDEN-PRIMARYBASIN-ASH-20140206
Date	2/6/2014
Time	0943
Status	Validation Complete
Type	Ash
Total Metals	
Aluminum	9,660 mg/kg
Antimony	0.81J mg/kg
Arsenic	60.8 mg/kg
Barium	360 mg/kg
Beryllium	4.1 mg/kg
Boron	13.4 mg/kg
Cadmium	0.084U mg/kg
Calcium	1,810 mg/kg
Chromium	13.3 mg/kg
Cobalt	10.1 mg/kg
Copper	50.5 mg/kg
Iron	5,040 mg/kg
Lead	18.3 mg/kg
Magnesium	848 mg/kg
Manganese	75.0 mg/kg
Mercury	0.19 mg/kg
Molybdenum	1.0 mg/kg
Nickel	17.9 mg/kg
Potassium	1,630 mg/kg
Selenium	4.0 mg/kg
Silica	5,360 mg/kg
Silver	2.1U mg/kg
Sodium	304 mg/kg
Thallium	1.3U mg/kg
Vanadium	48.4 mg/kg
Zinc	34.6 mg/kg

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Analyte	Primary Ash Basin	
Sample Information		
Sample ID	EDEN-PRIMARYBASIN-ASH-20140206	
TCLP Metals		
Arsenic	0.20U	mg/L
Barium	4.1	mg/L
Cadmium	0.020U	mg/L
Chromium	0.10U	mg/L
Lead	0.10U	mg/L
Mercury	0.0020U	mg/L
Selenium	0.20U	mg/L
Silver	0.10U	mg/L
BTEX		
Benzene	656U	µg/kg
Ethylbenzene	656U	µg/kg
m,p-Xylene	1,310U	µg/kg
o-Xylene	656U	µg/kg
Toluene	656U	µg/kg

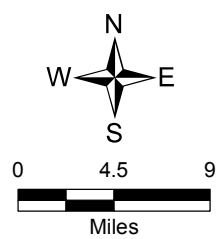
Notes

EPA	U.S. Environmental Protection Agency
J	Value is estimated
J-	Value is estimated with a possible low bias
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
mg/L	milligrams per liter
U	Analyte was not detected at the listed reporting limit.
UJ	Analyte was not detected at the listed reporting limit, which is an estimated quantitation.



Legend

-  Approximate Spill Location
-  Ash Sample Location
-  Dan River



Map Source: ArcGIS Online World Map Topo, 2014

**Ash Sample Locations
February 6, 2014**

