DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

David Garrett & Associates

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: David Garrett, PG, PE Phone: 919-418-4375

E-mail: davidgarrettpgpe@gmail.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
C&D Landfill, Inc. Phases 1 & 2	802 Recycling Lane Greenville, NC 27834	7407-CDLF-2001	.0500	May, 2013

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☒ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

G. David Garrett — Facility Engineer — 919-418-4375

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Digitally signed by David Garrett
DN: cn=David Garrett, o, ou, email=davidgarrettpgpe@gmail.com, c=US
Date: 2013.07.15 22:45:42 -04'00'

July 15, 2013

Signature — Date

Affix NC Licensed/ Professional Geologist Seal

5105 Harbour Towne Drive, Raleigh, NC 27604

Facility Representative Address

Digitally signed by DG Engineering Seal
DN: cn=DG Engineering Seal, o, ou, email=davidgarrettpgpe@gmail.com, c=US
Date: 2013.07.15 22:59:51 -04'00'

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

David Garrett & Associates
Engineering and Geology

July 15, 2013

Ms. Jackie Drummond
NC Division of Waste Management
Solid Waste Section
Mail Service Center 1646
Raleigh, NC 27699-1646

RE: Water Quality Monitoring Report for May 2013
Phase 1 Assessment and Phase 2 Detection Monitoring
C&D Landfill, Inc. (Pitt County, North Carolina)
Permit #74-07

Dear Ms. Drummond:

On behalf of C&D Landfill, Inc., I am pleased to present this report of the semi-annual water quality monitoring event conducted on May 13, 2013. This event included all active wells:

- For Phase 1 – MW-1s (background), MW-2s, MW-2d, MW-4, MW-5, MW-6, and MW-7 (detection sampling)
- For Phase 1 – MW-3s, MW-3d, MW-3A, and MW-8 (detection and assessment)
- For Phase 2 – MW-9A (background), MW-10, MW-11, MW-12s, MW-13, MW-14s and MW-14d (detection sampling only)

Surface water sampling included:

- For Phase 1 – SW-1, SW-2, SW-3, and SW-4 (detection)
- For Phase 2 – SW-2; the background, SW-4, was dry

The deep background well for Phase 1, MW-1d, is damaged and could not be sampled. Repairs will be made prior to the next scheduled sampling of this well. At each location, field parameters were measured and recorded. Samples were preserved and returned to the laboratory. The sampling and analysis was conducted by Environment-1, Inc., in accordance with the Division of Waste Management-approved **Sampling and Analysis Plan** dated May 2008 (Rev. 3), and the **Ground Water Assessment Work Plan** dated June 2009, both prepared by David Garrett & Associates.

5105 Harbour Towne Drive •Raleigh • North Carolina • 27604
919-418-4375 (Mobile) • E-mail: david@davidgarrettpe.com

Sampling locations are depicted, relative to the waste boundaries, water features, other landmarks, and potentiometric contours representing ground water flow conditions, on **Drawing MP-1**. Summarized well construction specifications, water level data, and field parameters for the sampling event are presented on **Table 1**. Historic groundwater quality data for the past five years is presented on **Table 2**. Separate tables were prepared for the two phases.

General Observations

Ground water depths and flow directions indicated by the potentiometric contours in **Drawing MP-1** are within the range of expected values, based on historic data. Water levels during this sampling event were slightly lower than the November 2012 levels as a result of incumbent climate conditions; the Palmer indices show normal moisture conditions in mid-to late-2012.[1]

Ground water flow is directed toward the south and southwest, where there are no identified ground water users, and rather flat gradients extending through agricultural and wooded marshy areas leading to the Tar River. Much of the downgradient area is beneath the 100-year flood level and is not anticipated to undergo development or groundwater use in the foreseeable future.

Key Observations – Phase 1

Turbidity values range from 2 ntu (MW-3s) to 17 ntu (MW-4); these values are much lower than the November 2012 sampling event. Also the conductivity values vary from 480 umho/cm (MW-4) to 3,090 umho/cm (MW-8). The higher conductivity values tend to be at the shallow wells. The lower turbidity and conductivity values reflect more normal water levels (i.e., with higher groundwater flow quantities), resulting from more normal rainfall levels since a drought ended mid-to-late 2012.

Values of pH appear to be within a normal range at all locations – it is likely that dissolved salts and metals are affected by dilution factors, reflected by fluctuations in groundwater level, which can affect turbidity and conductivity, as well as pH. The high pH levels seen in November 2012 subsided. Based on the historic data, all these parameters are within the expected range values, and no distinct temporal trends are apparent, except for the seasonal (or climate driven) variation.

Inorganic Appendix I constituents detected at Phase 1 monitoring wells and surface water samples are consistent with historic data. Detected values were generally lower than those detected in November 2012, but some values were observed above the 2L standard. Cobalt and vanadium have been detected widely in the sampling network and in both the background well (MW-1s) and surface water location (SW-1); both have been detected intermittently above and below the 2L standard.

[1] http://www.ncdc.noaa.gov/temp-and-precip/drought/historical-palmers.php

Detected organic Appendix I constituents this event include 1,2-dichloroethane at MW-3s (1 ug/l) and MW-7 (0.4 ug/l) and MW-8 (1.2 ug/l) – only the latter value exceeds the 2L standard; a trace concentration of benzene was detected at MW-3A (0.3 ug/l); toluene was detected at SW-1 (0.3 ug/l), i.e., the background sample, and at SW-2 (1.3 ug/l) – neither exceed the 2L standard.

Detected inorganic Appendix II constituents at include mercury (0.04 ug/l) and tin (0.24 ug/l) at MW-2d; mercury (0.03 ug/l), sulfide (272 ug/l), and tin (0.24 ug/l) at MW-3s; mercury (0.05 ug/l) and tin (0.44 ug/l) at MW-3d; mercury (0.03 ug/l) and tin (0.20 ug/l) at MW-3A; mercury (0.03 ug/l) and tin (0.08 ug/l) at MW-8. None of these detected concentrations exceed the 2L standards; none of these constituents have been detected in the surface water samples.

Of the monitored organic Appendix II constituents, only 2,4,5-T, a broadleaf herbicide, was detected at MW-8 (1.14 ug/l); no 2L standard or SWSL has been established for this constituent; no other Appendix II constituents were detected at Phase 1 monitoring wells or surface water samples.

Sampling for tetrahydrofuran indicated detections at wells MW-3s (5.6 ug/l), MW-3A (2.4 ug/l), MW-6 (4.4 ug/l), MW-7 (20.9), and MW-8 (5.4 ug/l); this represents fewer sampling locations than November 2012, but the high value at MW-7 warrants close observation.

No 2L standard or SWSL has been established for this constituent. No tetrahydrofuran was detected at the surface sampling locations. What is known is that tetrahydrofuran is volatile and miscible, and once introduced into water it is expected to be highly mobile – a little goes a long ways.

Key Observations – Phase 2

Turbidity values were not acquired at the Phase 2 sampling locations – this will be corrected in future sampling events; values of pH, temperature and conductivity are with the expected range of values; no clear trends associated with the field parameters with analytical data has been discerned.

Inorganic Appendix I constituents detected at Phase 2 monitoring wells and surface water samples are within the expected range of parameters; only vanadium was detected at several locations above the 2L standard. Arsenic was detected above the 2L standard at MW-12s (19 ug/l); this makes three consecutive sampling events above the 2L standard. Arsenic has been detected above the 2L standard at another well (MW-6) in 2007 and 2008, but the levels have since subsided.

The only inorganic Appendix I constituent found above the 2L standard with any consistency has been vanadium, which has been detected above the 2L standard in both the background well (MW-9A) and surface water location (SW-4). Cobalt was not detected above the 2L standard during this event. Both constituents have been identified as background.

Detected organic Appendix I constituents at MW-12s include benzene (1.1 ug/l) and cis-1,2-dichloroethene (4.2 ug/l), below the 2L standard; vinyl chloride (3 ug/l) and ethylbenzene (1.5 ug/l), above the 2L standard.

Other detections at MW-14s include benzene (0.4 ug/l), cis-1,2-dichloroethene (1.4 ug/l), ethylbenzene (0.3 ug/l) and 1,1,1,2-tetrachloroethane (0.3 ug/l). Toluene was detected in surface water at SW-3 (1.3 ug/l); all other locations and constituents were non-detect.

Sampling for tetrahydrofuran indicated concentrations varying from of 3.3 ug/l (at MW-12s) to 7.40 ug/l (at MW-14s); all other wells and surface sampling locations were non-detect.

Conclusions – Detection Sampling

Sampling for inorganic constituents in surface water indicates the presence of cobalt and vanadium in the background, along with other constituents.

Arsenic detected above the 2L standard and barium values increasing with time at MW-12s warrant further observation; arsenic values exceeded the 2L standard for two earlier non-consecutive sampling events at MW-6, but those values have subsided and no consistent trend can be discerned.

Detection of organics is spotty within surface water samples; some detected constituents (notably gasoline components from "urban runoff") were found in the background sampling location SW-1.

No trends can be discerned from the surface water data, except that vanadium and cobalt are present in the background with values that often exceed 2L standards; the irregular pattern of detections of organic constituents suggests the possibility of sampling or laboratory anomalies.

The data does not indicate an impact on surface water quality due to landfill activities.

Sampling for tetrahydrofuran, which began in May 2011 as required of all C&D landfills by the Division of Waste Management, has indicated numerous detects at nearly all monitoring wells associated with Phase 1 and several with Phase 2.

There is no regulatory standard established for tetrahydrofuran, thus the implications of these results has yet to be determined.

Due to recent trends in arsenic and several organic constituents at MW-12s, it seems appropriate to add MW-12s to the Appendix II assessment sampling list; due to the proximity of MW-12s to MW-8, it is possible that the constituents at MW-12s are associated with those found at MW-8.

Conclusions – Assessment Sampling

Monitoring well sampling data appears to indicate a ground water impact on the southwest side of Phase 1, at MW-3s, MW-3A, and MW-8; assessment monitoring was triggered by the detection of benzene at MW-3s and MW-3A; the source of the constituents of concern have not been verified.

The potential impact appears to be isolated in the vicinity of wells MW-3s, MW-3A, and MW-8; constituents of concern include a mix of inorganic and organic constituents that are slightly elevated above those observed at other sampling locations; well MW-12s located nearby may be influenced.

The ground water impact is not severe and may not be attributable to landfill operations, whereas only benzene has been found with any consistency, typically at values below the 2L standard; no clear data trends can yet be discerned. The data does not appear to show any impact at MW-3d.

Traces of four common pesticides or herbicides were detected in May 2012, only one of which was detected in this event; the old drainage ditch between Phase 1 and Phase 2 is a suspected source.

Continued monitoring of assessment parameters will emphasize close observation of benzene and the recently detected pesticides at MW-3s, MW-3A, and MW-8.

The monitoring well MW-1d will be repaired, and steps will be taken to ensure that turbidity and all of the required Appendix II parameters are sampled at each respective sampling location.

Plans are to add MW-12s to the assessment sampling program, in order to determine is detects at that well are associated with that found at nearby MW-8. The next monitoring will be November 2013.

Attached are a revised sampling list (last revised December 2009), selected hydrographic data from NOAA that supports the groundwater fluctuation discussion, along with the data tables and site map.

Please contact me at your earliest convenience with questions or comments.

Sincerely,

G. David Garrett, P.G., P.E.

NORTH CAROLINA PROFESSIONAL SEAL 25482 ENGINEER DAVID GARRETT

7/15/2013

cc: Mr. Judson Whitehurst – C&D Landfill, Inc.

Attachments

C&D LANDFILL, INC., GROUND WATER SAMPLING LIST

Prepared July 15, 2013

	Nov 2013	May 2014	Nov 2014	May 2015
Appendix I sampling for Phase 1				
MW-1d		x		x
MW-1s	x	x	x	x
MW-2d		x		x
MW-2s	x	x	x	x
MW-3d		x		x
MW-4	x	x	x	x
MW-5	x	x	x	x
MW-6	x	x	x	x
MW-7	x	x	x	x
Appendix II sampling for assessment				
MW-3s	x	x	x	x
MW-3A	x	x	x	x
MW-8	x	x	x	x
MW-12s	x	x	x	x
Appendix I sampling for Phase 2 wells				
MW-9A	x	x	x	x
MW-10	x	x	x	x
MW-11	x	x	x	x
MW-13	x	x	x	x
MW-14s	x	x	x	x
M-14d		x		x
Appendix I sampling for surface water				
SW-1	x	x	x	x
SW-2	x	x	x	x
SW-3	x	x	x	x
SW-4	x	x	x	x

Field parameters at ALL sampling events and locations: temp., pH, specific conductivity, turbidity

Table 1
Monitoring Well and Groundwater Data
Water Quality Monitoring
May 14, 2013
C&D Landfill, Inc. Phase 1
Greenville, Pitt County, North Carolina
Permit # 74-07

Well Identity	Depth to Groundwater (Feet BTOC)	Elevation Top of PVC Well Casing (Feet MSL)	Groundwater Elevation (Feet MSL)	Field Parameters			
				Temp. C°	pH	S.C. umhos/cm	Turbidity (ntu)
MW-1s	8.36	20.91	12.55	15.0	6.0	501	8
MW-1d	NM	21.14	#VALUE!	NM	NM	NM	NM
MW-2s	10.73	21.44	10.71	16.0	5.9	1,404	7
MW-2d	12.38	21.80	9.42	17.0	7.7	486	7
MW-3s	12.12	23.02	10.90	17.0	6.5	1,223	2
MW-3d	12.53	22.83	10.30	17.0	7.8	526	6
MW-3A	11.51	21.93	10.42	15.0	6.5	1,330	6
MW-4	6.57	18.42	11.85	15.0	6.0	480	17
MW-5	6.45	17.90	11.45	17.0	7.0	1,294	6
MW-6	9.59	20.03	10.44	16.0	6.6	1,198	6
MW-7	8.32	19.40	11.08	16.0	6.7	2,520	5
MW-8	9.63	21.21	11.58	18.0	7.0	3,090	4

Notes: BGS = Below Ground Surface

NM = Not Measured
S.C. = Specific Conductance
ntu = Nephelometric Turbidity Units

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-1s (Background)											
	Sampling Date	11/16/07	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	ND	0.1	0.1	ND	ND	ND	0.19 J	ND	0.12 J	0.14 J	0.07 J
10	Arsenic	ND	0.5	1.1	1.8	2.1	0.7 J	1.9 J	0.36 J	1.1 J	0.88 J	0.74 J	0.02 J
700	Barium	62.4	27.5	62.5	26	77.4	23.5 J	56.6 J	36 J	58.7 J	68.3 J	37.1 J	73.9 J
4*	Beryllium	0.6	1	0.7	2.6	0.2	0.5 J	0.3 J	0.16 J	0.26 J	0.19 J	0.18 J	0.04 J
2	Cadmium	0.7	0.6	0.3	**2.3**	0.2	0.2 J	0.2 J	0.11 J	0.37 J	--- U	0.16 J	0.15 J
10	Chromium	0.3	0.2	0.5	ND	ND	0.5 J	0.5 J	0.44 J	0.66 J	0.91 J	0.45 J	0.50 J
1*	Cobalt	**1.5**	0.8	0.9	**1.2**	**2.5**	0.7 J	0.8 J	0.41 J	0.48 J	0.38 J	0.31 J	0.20 J
1000	Copper	ND	1.5	1.3	0.7	0.9	0.7 J	0.5 J	1.1 J	0.89 J	0.87 J	1.0 J	0.96 J
70	Cyanide (assassment)												
15	Lead	1.3	1.6	2.8	3.7	0.8	3.0 J	2.0 J	0.6 J	1.7 J	1.1 J	1.1 J	0.14 J
1	Mercury (assassment)											--- U	
100	Nickel	3.3	5.2	4	2.1	1.7	3.2 J	3.9 J	1.2 J	1.4 J	2.6 J	2.6 J	1.8 J
20	Selenium	1.9	1.9	1.6	5.2	5.2	1.0 J	1.8 J	0.46 J	1.2 J	1.7 J	1.2J	1.6 J
20	Silver	ND	0.2	ND	ND	0.1	0.1 J	ND	ND	ND	--- U	--- U	---U
NE	Sulfide (assassment)												---U
0.28*	Thallium	ND	0.1	ND	ND	0.1	ND	ND	ND	ND	0.35 J	--- U	0.04 J
2000*	Tin (assassment)											--- U	---U
0.3*	Vanadium	**1.5**	**0.8**	**2.6**	**3.5**	**1**	**3.8 J**	**3.3 J**	**1.2 J**	**2.5 J**	**1.7 J**	**1.2 J**	**1.0 J**
1000	Zinc	7.9	4.5	5.1	9.4	2.2	2.2 J	5.6 J	2.6 J	3.2 J	1.4 J	4.7 J	0.76 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	3.3	1.7	3	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	ND	ND	ND	ND	ND	ND	0.6 J	0.3 J	ND	--- U	--- U	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	0.9	ND	24.8	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								ND	ND	1.80	---U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-1d (Background)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	NS	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10	Arsenic	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
700	Barium	NS	11.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4*	Beryllium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2	Cadmium	NS	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10	Chromium	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1*	Cobalt	NS	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1000	Copper	NS	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
70	Cyanide (assassment)												
15	Lead	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1	Mercury (assassment)												
100	Nickel	NS	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
20	Selenium	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
20	Silver	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NE	Sulfide (assassment)												
0.28*	Thallium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2000*	Tin (assassment)												
0.3*	Vanadium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1000	Zinc	NS	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
700	Carbon Disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NE	Bromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
0.6	Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4	Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3000	Chloroethane (Ethyl Chloride)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
70	Chloroform (Trichloromethane)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3	Chloromethane	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
0.4	Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
70	Dibromomethane (Methylene Dibromide)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
0.4	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
600	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5	Methylene Chloride (Dichloromethane)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
560*	4-Methyl-2-Pentanone (MIBK)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
0.7	Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
600	Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
500	Total Xylenes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
0.03	Vinyl Chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NE	Tetrahydrofuran												
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-2s											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	0.4	ND	0.1	0.1	0.1	0.7 J	ND	ND	ND	0.12J	0.28 J	0.09 J
10	Arsenic	4.2	1.3	5.6	2.2	0.8	1.7 J	5.6 J	3.1 J	0.9 J	6.1 J	9 J	5.3 J
700	Barium	96.9	51.8	165	6.9	15.4	47.5 J	149	101	34.3 J	166	152	80.2 J
4*	Beryllium	ND	0.1	ND	ND	0.9	0.1 J	0.1 J	0.1 J	0.07 J	0.17 J	0.09 J	0.10 J
2	Cadmium	0.3	0.1	0.1	0.4	0.4	0.8 J	0.6 J	0.29 J	0.17 J	0.25 J	0.18 J	0.29 J
10	Chromium	0.5	0.6	1.7	0.7	ND	0.7 J	0.6 J	0.62 J	0.29 J	1.7 J	1.9 J	0.57 J
1*	Cobalt	**9.3**	**1.3**	**10**	**5.8**	0.4	**1.1 J**	**3.3 J**	**3.7 J**	**1.1 J**	**7.0 J**	**8.6 J**	**2.0 J**
1000	Copper	NA	1	1.2	1.9	1.2	0.9 J	1.1 J	1.5 J	0.49 J	1.3 J	1.3 J	1.6 J
70	Cyanide (assassment)												
15	Lead	ND	0.5	0.4	0.5	3.9	1.1 J	0.5 J	0.92 J	0.68 J	1.3 J	0.64 J	0.55 J
1	Mercury (assassment)												
100	Nickel	3.6	2.1	6	1.8	3.1	1.7 J	6.2 J	3.1 J	1.2 J	4.4 J	6.6 J	4.6 J
20	Selenium	2.3	1.2	4.8	2.5	1.9	3.5 J	ND	ND	1.3 J	13	15	14
20	Silver	ND	0.1	ND	ND	0.2	ND	ND	ND	ND	--- U	--- U	-- U
NE	Sulfide (assassment)												
0.28*	Thallium	0.2	0.1	0.1	ND	ND	ND	0.1 J	0.1 J	0.07 J	0.22 J	0.10 J	0.07 J
2000*	Tin (assassment)												
0.3*	Vanadium	**0.9**	ND	**1.3**	**1.8**	**3.5**	**2.1 J**	**0.6 J**	**0.94 J**	**0.75 J**	**2.0 J**	**1.7 J**	**0.62 J**
1000	Zinc	3.3	1.9	2.4	5	3	5.8 J	3.5 J	3.1 J	2 J	2.0 J	4.6 J	2.4 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.2	2.7	3.4	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	0.6	--- U
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	1	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	0.4	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1.4	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								0.7 J	ND	2.40	8.50	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-2d											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	0.1 J	0.04 J
10	Arsenic	NS	0.4	NS	1.2	ND	NS	NS	NS	0.48 J	NS	0.35 J	0.86 J
700	Barium	NS	16	NS	1.84	16.7	NS	NS	NS	2 J	NS	1.8 J	16.5 J
4*	Beryllium	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	0.03 J
2	Cadmium	NS	0.35	NS	**3.6**	0.1	NS	NS	NS	0.09 J	NS	0.03 J	0.39 J
10	Chromium	NS	0.3	NS	1.7	ND	NS	NS	NS	ND	NS	--- U	0.70 J
1*	Cobalt	NS	0.0001	NS	0.4	0.1	NS	NS	NS	ND	NS	0.04 J	**0.26 J**
1000	Copper	NS	0.7	NS	5.5	0.7	NS	NS	NS	0.15 J	NS	0.76 J	2.0 J
70	Cyanide (assessment)										NS		
15	Lead	NS	0.2	NS	0.7	ND	NS	NS	NS	0.06 J	NS	0.07 J	0.33 J
1	Mercury (assessment)										NS		0.04 J
100	Nickel	NS	1.4	NS	1.7	1	NS	NS	NS	1.3 J	NS	1.1 J	1.6 J
20	Selenium	NS	0.2	NS	ND	ND	NS	NS	NS	0.38 J	NS	0.55 J	0.06 J
20	Silver	NS	0.1	NS	ND	0.1	NS	NS	NS	ND	NS	--- U	---U
NE	Sulfide (assessment)										NS	--- U	---U
0.28*	Thallium	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
2000*	Tin (assessment)										NS	--- U	0.24 J
0.3*	Vanadium	NS	ND	NS	**2.6**	**0.5**	NS	NS	NS	**2 J**	NS	**1.5 J**	**1.3 J**
1000	Zinc	NS	2.2	NS	14	0.4	NS	NS	NS	1.1 J	NS	1.8 J	5.4 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	2.5	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
1	Benzene	NS	ND	NS	ND	ND	NS	NS	ND	ND	NS	--- U	--- U
700	Carbon Disulfide	NS	ND	NS	ND	ND	NS	NS	ND	ND	NS	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	NS	0.9	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
NE	Bromochloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.6	Bromodichloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
4	Bromoform	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
70	Chloroform (Trichloromethane)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
3	Chloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.4	Dibromochloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.4	1,2-Dichloroethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
600	Ethylbenzene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
5	Methylene Chloride (Dichloromethane)	NS	0.2	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.7	Tetrachloroethene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
600	Toluene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
500	Total Xylenes	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.03	Vinyl Chloride	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
NE	Tetrahydrofuran								NA	ND	NS	---U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3s (Assessment)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	0.1	ND	0.1	ND	ND	ND	ND	ND	ND	0.27 J	0.16 J	---U
10	Arsenic	6.7	0.4	8.4	7	6.8	9.2 J	ND	3.8 J	4.9 J	4.2 J	5.7J	3.7 J
700	Barium	357	4	447	460	492	527	254	242	484.0	342.0	425	288.0
4*	Beryllium	ND	ND	ND	ND	ND	ND	0.1 J	ND	ND	--- U	--- U	0.09 J
2	Cadmium	0.7	1	ND	0.1	ND	0.3 J	0.1 J	0.07 J	0.12 J	0.04 J	0.05 J	0.11 J
10	Chromium	1.2	0.2	1.4	1.6	1	2 J	1.7 J	0.76 J	1.7 J	1.0 J	1.5 J	0.50 J
1*	Cobalt	**9.4**	0.1	**17**	**12.6**	**5.7**	**18**	**37**	**14**	**6.8 J**	**2.6 J**	**15**	**2.2 J**
1000	Copper	1.8	0.8	1.3	1.4	1.9	1.1 J	1.1 J	1.3 J	1.5 J	0.91 J	1.6 J	0.77 J
70	Cyanide (assassment)					ND	ND	ND	ND	ND	--- U		
15	Lead	0.1	ND	0.1	ND	0.1	0.1 J	0.1 J	0.16 J	0.42 J	0.22 J	0.31 J	0.03 J
1	Mercury (assassment)					ND	ND	ND	ND	ND	0.09 J	0.02 J	0.03 J
100	Nickel	5.9	0.5	7.1	5.4	5.8	10.8 J	12.1 J	3.3 J	4.3 J	3.6 J	5.8 J	3.5 J
20	Selenium	5.6	0.3	9.8	8.2	ND	11	ND	3.5 J	6.6 J	3.8 J	0.3 J	5.4 J
20	Silver	ND	ND	0.1	ND	0.2	0.1 J	ND	ND	0.04 J	--- U	--- U	--- U
NE	Sulfide (assassment)					ND	ND	1.38	544 J	2795.00	137 J	644 J	272 J
0.28*	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	**0.24 J**	--- U	--- U	--- U
2000*	Tin (assassment)					ND	1.5 J	0.5 J	0.23 J	0.26 J	0.15 J	0.13 J	0.24 J
0.3*	Vanadium	**1.7**	ND	**1.5**	**2.7**	**2.3**	**2 J**	**2.6 J**	**1.4 J**	**3 J**	**1.4 J**	**1.8 J**	**1.9 J**
1000	Zinc	8	1.6	3.3	5.9	1.3	2.3 J	3.4 J	3.6 J	2.7 J	0.72 J	7.6 J	1.2 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	3.3	5.6	4.5	2.1	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	1	**1.1**	**2.1**	**1.5**	**1.3**	**3.1**	**2.1**	1	**1.1**	1	**1.2**	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.1	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	0.7	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	ND	ND	0.5	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	0.4	0.4	**0.7**	**0.5**	0.4	**0.5**	0.3 J	ND	ND	--- U	--- U	**1**
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	0.2	0.2	1.3	0.2	0.3	0.5 J	0.3 J	0.3 J	ND	--- U	--- U	--- U
600	Ethylbenzene	0.4	0.3	0.3	0.2	ND	0.7 J	0.3 J	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	0.3	0.2	ND	0.2	ND	ND	ND	ND	ND	--- U	0.8 J	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	0.2	0.3	0.4	0.2	ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	**0.4**	ND	**0.5**	ND	ND	ND	ND	ND	ND	--- U	--- U	
NE	Tetrahydrofuran								2.50	6.70	4.40	4.60	5.60
7*	Dinoseb					ND	ND	ND	0.821 J	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	--- U	--- U	--- U
50	2,4,5-TP (Silvex)					ND	0.738 J	ND	ND	ND	--- U	--- U	--- U

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C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3d											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.1	ND	ND	ND	NS	NS	NS	ND	NS	0.17 J	0.03 J
10	Arsenic	0.6	7.3	0.2	0.5	0.3	NS	NS	NS	0.36 J	NS	0.33 J	0.51 J
700	Barium	4.6	394	5	5.3	4.9	NS	NS	NS	7.6 J	NS	7.0 J	7.8 J
4*	Beryllium	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	---U
2	Cadmium	0.5	0.1	ND	0.1	0.2	NS	NS	NS	0.24 J	NS	--- U	0.48 J
10	Chromium	ND	1.5	ND	ND	ND	NS	NS	NS	0.15 J	NS	--- U	0.38 J
1*	Cobalt	ND	**13**	0.1	0.1	0.1	NS	NS	NS	0.05 J	NS	0.03 J	0.08 J
1000	Copper	1.3	1.3	1.3	0.7	1	NS	NS	NS	0.52 J	NS	1.3 J	1.6 J
70	Cyanide (assassment)												
15	Lead	0.1	0.1	0.1	ND	ND	NS	NS	NS	0.08 J	NS	--- U	0.13 J
1	Mercury (assassment)											0.03 J	0.05 J
100	Nickel	1.6	7.4	0.6	0.4	0.6	NS	NS	NS	0.71 J	NS	0.88 J	0.90 J
20	Selenium	ND	ND	0.3	0.3	ND	NS	NS	NS	ND	NS	0.52 J	0.23 J
20	Silver	ND	0.1	0.1	ND	0.1	NS	NS	NS	ND	NS	--- U	---U
NE	Sulfide (assassment)											--- U	---U
0.28*	Thallium	ND	0.1	ND	ND	ND	NS	NS	NS	ND	NS	--- U	0.18 J
2000*	Tin (assassment)											0.17 J	0.44 J
0.3*	Vanadium	**0.7**	**1.1**	0.1	**1**	**0.4**	NS	NS	NS	**0.4 J**	NS	--- U	**0.93 J**
1000	Zinc	3.6	2.6	3.3	1.6	0.5	NS	NS	NS	1.7 J	NS	2.5 J	5.0 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	3.5	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
1	Benzene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	1	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	ND	0.2	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
3	Chloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
600	Toluene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS	--- U	--- U
NE	Tetrahydrofuran								NS	ND	NS	---U	--- U
7*	Dinoseb					ND	NS	NS	NS	ND	NS	--- U	--- U
70	2,4-D					ND	NS	NS	NS	ND	NS	--- U	--- U
NE	2,4,5-T					ND	NS	NS	NS	ND	NS	--- U	--- U
50	2,4,5-TP (Silvex)					ND	NS	NS	NS	ND	NS	--- U	--- U

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3A (Assessment)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony					ND	ND	ND	ND	ND	0.10 J	0.5 J	0.07 J
10	Arsenic					2.6	1 J	5.4 J	0.93 J	2.2 J	2.8 J	5.8 J	2.4 J
700	Barium					84.2	42.7 J	100	36 J	70.7 J	86.6 J	120	62.5 J
4*	Beryllium					0.1	ND	0.1 J	ND	ND	--- U	--- U	---U
2	Cadmium					0.2	0.1 J	0.1 J	0.1 J	0.36 J	0.08 J	0.34 J	0.07 J
10	Chromium					ND	0.1 J	0.3 J	0.3 J	0.67 J	1.5 J	2.3 J	1.0 J
1*	Cobalt					**15**	**3.8 J**	**17**	**7.7 J**	**15**	**25**	**28**	**18**
1000	Copper					1.3	4 J	0.5 J	1.1 J	0.88 J	0.85 J	1.4 J	1.0 J
70	Cyanide (assassment)					ND	ND	ND	ND	ND	---U		
15	Lead					0.2	ND	0.2 J	0.15 J	0.17 J	0.25 J	0.35 J	0.04 J
1	Mercury (assassment)					0.09	ND	ND	0.05 J	0.06 J	0.04 J	0.05 J	0.03 J
100	Nickel					2.6	1.5 J	6.4 J	1.6 J	3.6 J	4.8 J	8.8 J	5.0 J
20	Selenium					2.7	1 J	8.8 J	1.1 J	2.3 J	4.3 J	11.00	4.9 J
20	Silver					0.1	ND	ND	ND	ND	--- J	--- U	---U
NE	Sulfide (assassment)					ND	ND	ND	ND	ND	--- J	--- U	---U
0.28*	Thallium					0.1	ND	ND	ND	0.14 J	0.10 J	0.13 J	0.08 J
2000*	Tin (assassment)					ND	3.9 J	0.6 J	0.32 J	0.47 J	0.24 J	0.28 J	0.20 J
0.3*	Vanadium					**2.1**	**0.8 J**	**1.6 J**	**0.69 J**	**0.88 J**	**2.0 J**	**1.6 J**	**0.39 J**
1000	Zinc					3.1	2.9 J	4.1 J	3.2 J	4.7 J	5.7 J	8.4 J	3.8 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone					ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene					ND	ND	0.9 J	ND	0.6 J	0.60 J	0.70 J	0.30 J
700	Carbon Disulfide					ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)					ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane					ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane					ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform					ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)					ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane					ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)					ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)					ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene					ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)					ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)					ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene					ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene					ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes					ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)					ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride					ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								ND	3.30	5.10	3.80	2.40
7*	Dinoseb					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	--- U	--- U	--- U
50	2,4,5-TP (Silvex)					ND	ND	ND	ND	ND	--- U	--- U	--- U

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-4											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.1	0.1	0.7	ND	ND	ND	ND	ND	0.15 J	0.14 J	--- U
10	Arsenic	1.3	1	0.3	2.8	2.8	2.6 J	2.3 J	1.6 J	1.9 J	2.9 J	0.9 J	0.83 J
700	Barium	207	203	196	266	165	202	141	174	183	278	151	108
4*	Beryllium	0.8	0.4	0.2	0.9	1	0.8 J	0.7 J	0.57 J	0.65 J	0.50 J	0.47 J	--- U
2	Cadmium	0.5	0.2	0.3	0.9	0.3	1.2	0.5 J	0.35 J	0.43 J	0.16 J	0.22 J	0.09 J
10	Chromium	2.7	1.2	1	2.1	2.8	2.1 J	3.1 J	3 J	3.7 J	5.7 J	3.6 J	2.2 J
1*	Cobalt	1	1	0.4	**1.3**	0.9	0.9 J	**1.1 J**	0.58 J	0.76 J	0.63 J	0.38 J	0.35 J
1000	Copper	2.3	0.7	0.9	1.8	1.8	1.4 J	1.3 J	1.9 J	1.1 J	1.8 J	0.88 J	0.61 J
70	Cyanide (assassment)												
15	Lead	7.2	4.8	3.4	11	14	6.3 J	6.4 J	4.8 J	7.3 J	7.6 J	3.1 J	0.29 J
1	Mercury (assassment)												
100	Nickel	2.7	2.3	1.7	1.2	2.1	2 J	2.1 J	1.4 J	1.8 J	1.7 J	1.8 J	1.8 J
20	Selenium	ND	0.9	ND	0.5	0.2	1.1 J	0.7 J	0.73 J	0.61 J	1.6 J	1.2 J	1.1 J
20	Silver	ND	0.1	ND	0.1	0.1	0.1 J	ND	ND	ND	--- U	--- U	--- U
NE	Sulfide (assassment)												
0.28*	Thallium	ND	0.1	ND	ND	0.1	0.1 J	0.1 J	0.03 J	0.05 J	--- U	--- U	--- U
2000*	Tin (assassment)												
0.3*	Vanadium	**6.9**	**3.4**	**3.1**	**10**	**11.4**	**8.3 J**	**9.4 J**	**7.5 J**	**8.5 J**	**7.2 J**	**5.8 J**	**3.3 J**
1000	Zinc	16	7.8	5.3	12	16	8.5 J	8.1 J	6.1 J	9.4 J	4.7 J	6.7 J	1.6 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	3.1	1.3	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1.1	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	1.7	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								ND	ND	1.40	---U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-5											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.5	0.1	0.2	0.5	ND	0.6	0.4 J	0.55 J	0.36 J	0.5 J	0.34 J
10	Arsenic	5.3	5	2.1	1.3	5.8	3.9 J	ND	6.4 J	3.3 J	6.8 J	1.9 J	2.4 J
700	Barium	115	101	48.3	117	83.8	92.1 J	129	80.5 J	150	122	117	115
4*	Beryllium	0.1	0.1	0.1	0.5	1	0.5 J	1	0.92 J	0.24 J	0.50 J	0.13 J	0.23 J
2	Cadmium	0.6	0.1	ND	0.3	0.6	0.3 J	2	0.64 J	0.69 J	0.22 J	0.12 J	0.20 J
10	Chromium	0.4	1.2	1.1	0.7	2.7	2.3 J	**11**	6.2 J	9.5 J	6.1 J	5.2 J	4.8 J
1*	Cobalt	**2.3**	**1.7**	0.5	**1.2**	**1.6**	**2.8 J**	**7.8 J**	**1.5 J**	**1.6 J**	**1.7 J**	**1.1 J**	**1.6 J**
1000	Copper	1.6	0.9	3.3	2.6	1.6	1.1 J	3.9 J	4.4 J	7.1 J	3.4 J	4.2 J	4.8 J
70	Cyanide (assassment)												
15	Lead	0.4	0.4	0.6	0.2	1.5	0.7 J	3.9 J	3 J	2.1 J	3.5 J	1.4 J	1.5 J
1	Mercury (assassment)												
100	Nickel	9.1	4.3	3.4	2.5	4.8	7.1 J	16.8 J	5.5 J	6.9 J	4.7 J	5.4 J	5.6 J
20	Selenium	2.3	2.5	1.2	1.5	5	7.3 J	ND	4.9 J	5.9 J	5.0 J	4.3 J	4.4 J
20	Silver	ND	0.1	0.1	ND	0.1	0.1 J	0.1 J	ND	ND	--- U	--- U	---U
NE	Sulfide (assassment)												
0.28*	Thallium	ND	0.1	ND	ND	0.1	ND	0.5 J	0.7 J	0.16 J	--- U	--- U	0.07 J
2000*	Tin (assassment)												
0.3*	Vanadium	**1.6**	**1.2**	**1.8**	**1.6**	**5.1**	**2.3 J**	**3.2 J**	**4.3 J**	**2.4 J**	**5.6 J**	**2.0 J**	**3.5 J**
1000	Zinc	5.9	4.1	3.9	3.3	4.8	4.3 J	14	7.4 J	7.7 J	6.6 J	5.8 J	6.1 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	ND	1.5	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	0.9	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	0.4	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	0.2	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								0.9 J	ND	1.70	---U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-6											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	0.2	0.2	0.2	0.1	ND	ND	ND	ND	ND	0.17J	0.07 J	0.07 J
10	Arsenic	**16**	5.3	**11**	2.9	6.4	6.1 J	4.8 J	2.2 J	2.4 J	2.2 J	2.4 J	2.4 J
700	Barium	233	65	161	56.1	137	215	155	124	157	128	53.4 J	209
4*	Beryllium	0.9	0.1	0.1	0.1	0.1	0.1 J	0.1 J	ND	0.06 J	--- U	0.09 J	0.16 J
2	Cadmium	0.6	0.4	0.4	0.9	0.3	**2.2**	0.6 J	0.43 J	0.29 J	0.27 J	0.12 J	0.31 J
10	Chromium	**13**	3.1	4.7	2.5	0.8	4.2 J	2 J	2.4 J	2.7 J	2.5 J	1.8 J	3.2 J
1*	Cobalt	**6.3**	**1.7**	**4.4**	**1.1**	0.6	**5.4 J**	0.7 J	**1.4 J**	**1.1 J**	**1.3 J**	0.55 J	**3.0 J**
1000	Copper	6.7	2.1	2.8	2.3	1.1	2.4 J	1.5 J	1.6 J	1.7 J	2.2 J	1.2 J	1.8 J
70	Cyanide (assassment)												
15	Lead	5.9	0.5	0.4	0.3	0.5	0.2 J	0.3 J	0.18 J	0.24 J	0.39 J	0.55 J	0.05 J
1	Mercury (assassment)												
100	Nickel	9.1	3.2	6.1	1	1.1	7.5 J	5.7 J	2 J	2.7 J	2.9 J	1.4 J	4.3 J
20	Selenium	7.9	1.7	5.3	0.5	2	7.5 J	7.2 J	1.3 J	1.6 J	1.5 J	0.64 J	2.7 J
20	Silver	ND	0.1	ND	ND	0.1	ND	0.1 J	ND	ND	--- U	--- U	---U
NE	Sulfide (assassment)												
0.28*	Thallium	0.2	0.2	0.1	ND	ND	ND	0.1 J	0.9 J	0.08 J	0.10 J	--- U	0.10 J
2000*	Tin (assassment)												
0.3*	Vanadium	**17**	**4.6**	**4.2**	**7.5**	**11.6**	**5.8 J**	**4.4 J**	**3.9 J**	**3.3 J**	**3.0 J**	**4.7 J**	**1.5 J**
1000	Zinc	20	3	3.6	2.5	3.9	3.3 J	4.5 J	1.8 J	3.3 J	0.91 J	4.9 J	0.91 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.7	4.5	2.7	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	0.3	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								2.30	1.90	2.70	--- U	4.40
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-7											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.2	0.1	ND	ND	ND	ND	ND	ND	0.16 J	0.15 J	0.31 J
10	Arsenic	6.4	3.6	3.3	1	0.5	4.5 J	0.9 J	1.5 J	0.81 J	2.3 J	0.72 J	5.0 J
700	Barium	136	31	103	31	29.1	266	34.3 J	174	67.4 J	294	100	560
4*	Beryllium	0.1	0.1	0.1	0.1	ND	0.1 J	0.1 J	ND	0.06 J	--- U	---U	--- U
2	Cadmium	0.4	0.4	0.4	0.8	0.2	2	0.4 J	0.4 J	0.38 J	0.12 J	0.16 J	0.14 J
10	Chromium	1.3	1.1	1.1	0.5	ND	2.5 J	0.4 J	1.2 J	0.92 J	2.0 J	1.5 J	7.4 J
1*	Cobalt	**17**	**2.6**	**2.8**	**2.3**	**1.1**	**9 J**	0.8 J	**4.2 J**	**1.2 J**	**3.6 J**	**1.3 J**	**9.2 J**
1000	Copper	2.7	2	3	1.6	2.4	2.9 J	0.8 J	1.5 J	0.93 J	1.9 J	1.9 J	1.9 J
70	Cyanide (assassment)												
15	Lead	0.3	0.7	0.3	0.1	0.1	0.1 J	0.2 J	0.12 J	0.29 J	0.33 J	0.20 J	0.08 J
1	Mercury (assassment)												
100	Nickel	7.5	2	4.6	0.9	0.6	10.4 J	1.7 J	2.3 J	1.5 J	4.3 J	2.5 J	5.5 J
20	Selenium	6	1.7	5.9	0.8	0.2	9.8 J	1.1 J	3 J	1.1 J	4.3 J	1.9 J	9.9 J
20	Silver	ND	ND	0.1	ND	0.3	ND	0.1 J	ND	ND	--- U	--- U	--- U
NE	Sulfide (assassment)												
0.28*	Thallium	ND	0.1	0.1	ND	ND	0.5 J	ND	0.24 J	0.08 J	0.26 J	0.29 J	0.20 J
2000*	Tin (assassment)												
0.3*	Vanadium	**2.5**	**3.1**	**1.3**	**1.8**	**0.8**	**1.3 J**	**1.1 J**	**0.75 J**	**1.2 J**	**1.3 J**	**0.52 J**	**1.3 J**
1000	Zinc	3.4	3.4	3	2.8	1.5	3.8 J	4.3 J	2.4 J	1.8 J	0.66 J	4.6 J	1.0 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	1.7	3.4	2.4	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	ND	ND	0.2	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	0.40 J
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								4.50	ND	6.40	1.20	20.90
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-8 (Assessment)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.1	ND	ND	ND	ND	ND	ND	ND	0.13 J	0.16 J	0.14 J
10	Arsenic	ND	4.5	2.7	1.6	4	7.5 J	4 J	3.2 J	2.7 J	5.8 J	8 J	6.2 J
700	Barium	214	127	121	113	169	140	164	124	184	142	133	144
4*	Beryllium	0.1	0.1	ND	ND	0.1	0.4 J	0.2 J	0.06 J	0.24 J	0.13 J	0.09 J	--- U
2	Cadmium	0.3	0.1	0.1	0.2	0.2	0.2 J	0.3 J	0.06 J	0.13 J	0.06 J	0.04 J	0.13 J
10	Chromium	1	1.1	0.4	0.1	ND	0.8 J	0.8 J	0.84 J	2.1 J	1.7 J	3.0 J	2.2 J
1*	Cobalt	ND	**19**	**12**	**8.4**	**10**	**21**	**24**	**31**	**17**	**31**	**27**	**24**
1000	Copper	1.6	0.9	0.8	0.6	0.7	1.1 J	0.8 J	1.3 J	0.69 J	1.1 J	1.4 J	1.3 J
70	Cyanide (assessment)					ND	ND	ND	ND	ND	--- U		
15	Lead	0.3	0.2	0.2	0.1	0.4	0.4 J	0.4 J	0.13 J	1.2 J	0.20 J	0.19 J	0.06 J
1	Mercury (assessment)					ND	ND	ND	0.08 J	ND	0.04 J		0.03 J
100	Nickel	5.3	7.8	4.7	3.3	5.1	9.2 J	9.1 J	5.2 J	5.4 J	7.2 J	8.6 J	9.3 J
20	Selenium	4.7	5.9	3.5	2.2	3	4.4 J	4.7 J	3 J	1.9 J	4.5 J	6.9 J	6.8 J
20	Silver	ND	ND	ND	ND	0.3	0.1 J	0.1 J	ND	ND	--- U	--- U	--- U
NE	Sulfide (assessment)					ND	ND	ND	ND	ND	--- U	--- U	--- U
0.28*	Thallium	ND	ND	ND	ND	ND	0.1 J	ND	ND	ND	--- U	--- U	0.06 J
2000*	Tin (assessment)					ND	0.4 J	0.5 J	0.95 J	0.24 J	--- U	0.92 J	0.08 J
0.3*	Vanadium	**1.4**	**1**	**0.8**	**1.3**	**0.9**	**1.6 J**	**1.9 J**	**0.76 J**	**4.1 J**	**1.3 J**	**1.2 J**	**1.3 J**
1000	Zinc	5.1	2.7	1.7	3.2	3.1	6.3 J	5.4 J	5.4 J	5.3 J	3.2 J	5.5 J	2.9 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.3	4.5	2.8	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	0.7	0.5	0.5	0.3	ND	ND	ND	0.4 J	0.4 J	**1.1**	**1.6**	--- U
700	Carbon Disulfide	ND	ND	ND	0.2	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.1	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	**1.20 J**
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	0.2	0.2	0.2	ND	ND	ND	ND	0.4 J	ND	--- U	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	0.2	0.2	0.2	0.2	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								--- U	3.90	5.20	5.50	5.40
7*	Dinoseb					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	0.86 J	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	0.77 J	--- U	1.14 J
50	2,4,5-TP (Silvex)					ND	ND	ND	ND	ND	--- U	--- U	--- U

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-1 (Background)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	NS	0.2	ND	0.1	0.1	ND	ND	ND	ND	0.13J	--- U	0.14 J
10	Arsenic	NS	**11**	ND	6.3	3.9	0.9 J	2 J	3.1 J	2 J	4.7 J	0.93 J	0.35 J
700	Barium	NS	174	ND	181	89.2	33.3 J	49.8 J	70.8 J	48.7 J	78.8 J	38 J	30.3 J
4*	Beryllium	NS	0.7	ND	0.6	0.5	0.1 J	0.1 J	0.12 J	ND	0.19 J	--- U	0.11 J
2	Cadmium	NS	0.4	ND	0.7	1.9	0.2 J	0.1 J	0.22 J	ND	0.17 J	0.07 J	0.08 J
10	Chromium	NS	8	ND	5.1	2.1	0.4 J	0.5 J	1.8 J	0.74 J	2.6 J	0.54 J	2.4 J
1*	Cobalt	NS	**1.2**	ND	**1**	0.6	0.3 J	0.4 J	0.84 J	0.5 J	0.89 J	0.42 J	0.48 J
1000	Copper	NS	5.5	ND	4.9	2.7	0.4 J	0.3 J	1.7 J	0.17 J	2.3 J	2.1 J	1.1 J
70	Cyanide (assassment)												
15	Lead	NS	**25**	ND	**23**	8	0.9 J	1 J	4.3 J	0.95 J	7.0 J	0.45 J	3.0 J
1	Mercury (assassment)												
100	Nickel	NS	3.5	ND	1.9	1.3	0.4 J	0.7 J	1.3 J	0.88 J	3.8 J	0.46 J	0.97 J
20	Selenium	NS	1.3	ND	0.8	ND	ND	ND	0.3 J	0.2 J	0.41 J	0.17 J	0.39 J
20	Silver	NS	0.1	ND	0.1	0.2	ND	ND	ND	ND	--- U	--- U	--- U
NE	Sulfide (assassment)												
0.28*	Thallium	NS	0.2	ND	ND	0.1	ND	ND	0.05 J	ND	--- U	--- U	0.05 J
2000*	Tin (assassment)												
0.3*	Vanadium	NS	**40**	ND	**30**	**18.9**	**2 J**	**3.1 J**	**6.8 J**	**2.2 J**	**9.5 J**	**1.5 J**	**3.1 J**
1000	Zinc	NS	43	ND	21	15	2.3 J	5.6 J	9.6 J	1.9 J	6.4 J	4.8 J	4.1 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	4.5	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	NS	1.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	NS	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	NS	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.5 J	--- U	0.3
500	Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran	NS							ND	ND	--- U	--- U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-2											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	ND	0.6	ND	0.1	ND	ND	0.2 J	ND	0.09 J	0.10 J	0.14 J
10	Arsenic	2	1.1	5.3	1.4	0.3	1.3 J	1.1 J	0.82 J	2.5 J	2.0 J	0.60 J	0.81 J
700	Barium	126	71.2	268	61.6	71.3	79.4 J	59.1 J	71.6 J	69.4 J	84.8	49.1 J	64.6 J
4*	Beryllium	ND	0.1	0.4	ND	ND	0.1 J	0.1 J	0.06 J	0.06 J	--- U	--- U	0.07 J
2	Cadmium	0.1	0.1	0.3	ND	1.2	0.1 J	0.1 J	0.11 J	ND	--- U	0.03 J	0.05 J
10	Chromium	1.5	1.1	5	0.5	0.7	0.9 J	0.5 J	0.58 J	1.2 J	1.4 J	0.545 J	1.6 J
1*	Cobalt	0.8	0.8	**1.9**	0.4	0.3	0.6 J	0.5 J	**1.5 J**	0.75 J	0.79 J	0.31 J	0.52 J
1000	Copper	1.9	0.8	5.6	1.5	0.8	0.4 J	0.1 J	0.94 J	0.46 J	1.2 J	0.36 J	1.4 J
70	Cyanide (assassment)												
15	Lead	1.6	0.7	14	0.5	0.3	0.5 J	0.1 J	0.5 J	0.79 J	2.1 J	0.43 J	1.2 J
1	Mercury (assassment)												
100	Nickel	2.9	1.4	4.2	0.2	0.9	1.2 J	1.6 J	1.8 J	0.99 J	2.9 J	0.46 J	0.63 J
20	Selenium	2.2	0.9	3	ND	ND	0.7 J	0.6 J	0.22 J	0.29 J	0.57 J	0.30 J	0.38 J
20	Silver	ND	ND	0.1	0.1	0.1	0.1 J	ND	ND	ND	--- U	--- U	--- U
NE	Sulfide (assassment)												
0.28*	Thallium	ND	ND	0.1	ND	0.1	ND	ND	ND	ND	--- U	--- U	--- U
2000*	Tin (assassment)												
0.3*	Vanadium	**2**	**1.4**	**9.2**	**2.3**	**0.8**	**1.5 J**	**1.1 J**	**0.86 J**	**3.4 J**	**2.5 J**	**0.83 J**	**1.5 J**
1000	Zinc	24	7.8	96	4.8	8.1	5.3 J	6.8 J	12	8.2 J	18	6.5 J	5.2 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.3	5.5	3.7	1.3	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.7	1.2	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	ND	0.3	0.2	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	0.4 J	--- U	--- U	1.3
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								ND	ND	--- U	--- U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-3											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	ND	0.1	ND	0.6	ND	ND	ND	ND	0.05 J	--- U	0.03 J
10	Arsenic	0.5	0.1	0.9	0.8	ND	0.4 J	0.6 J	1.1 J	0.99 J	1.0 J	0.50 J	0.35 J
700	Barium	571	63	75.1	78.7	76.1	69.2 J	75.5 J	77.8 J	73.3 J	60.8 J	74.1 J	30.3 J
4*	Beryllium	0.1	0.1	0.1	0.1	0.2	0.1 J	0.1 J	ND	0.09 J	--- U	--- U	0.11 J
2	Cadmium	0.2	0.1	ND	ND	0.3	0.1 J	0.1 J	0.29 J	0.14 J	--- U	0.04 J	0.08 J
10	Chromium	ND	0.4	0.3	0.5	0.4	0.4 J	0.2 J	0.99 J	0.63 J	0.38 J	0.18 J	1.6 J
1*	Cobalt	0.7	1	**5.1**	**1.3**	**1.2**	0.6 J	1 J	0.42 J	1.3 J	0.76 J	0.89 J	**0.48 J**
1000	Copper	0.6	0.6	1.1	0.4	0.8	0.3 J	0.1 J	1.1 J	0.3 J	0.34 J	0.58 J	1.1 J
70	Cyanide (assassment)												
15	Lead	0.2	0.3	0.9	0.2	0.6	0.6 J	0.5 J	0.28 J	1.1 J	0.46 J	0.11 J	3.0 J
1	Mercury (assassment)												
100	Nickel	0.7	0.8	1.3	0.4	0.8	0.8 J	0.8 J	1.1 J	0.76 J	5.0 J	0.78 J	0.47 J
20	Selenium	ND	0.2	0.3	ND	ND	ND	ND	0.64 J	0.21 J	--- U	0.26 J	0 19 J
20	Silver	ND	0.1	0.1	ND	0.2	ND	ND	0.04 J	ND	--- U	--- U	--- U
NE	Sulfide (assassment)												
0.28*	Thallium	ND	ND	ND	ND	0.1	ND	ND	ND	0.12 J	--- U	--- U	0.06 J
2000*	Tin (assassment)												
0.3*	Vanadium	**0.7**	**0.8**	**1.2**	**1.9**	**0.9**	**1.4 J**	**0.9 J**	**0.93 J**	**1.1 J**	**1.0 J**	**0.67 J**	3.4 J
1000	Zinc	71	19	36	18	14	11	17	5.8 J	16	6.0 J	8.2 J	6.8 J
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.2	3.8	5.3	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1.6	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
600	Toluene	ND	ND	0.2	ND	ND	ND	ND	ND	0.4 J	--- U	--- U	--- U
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	Tetrahydrofuran								0.6 J	ND	--- U	--- U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
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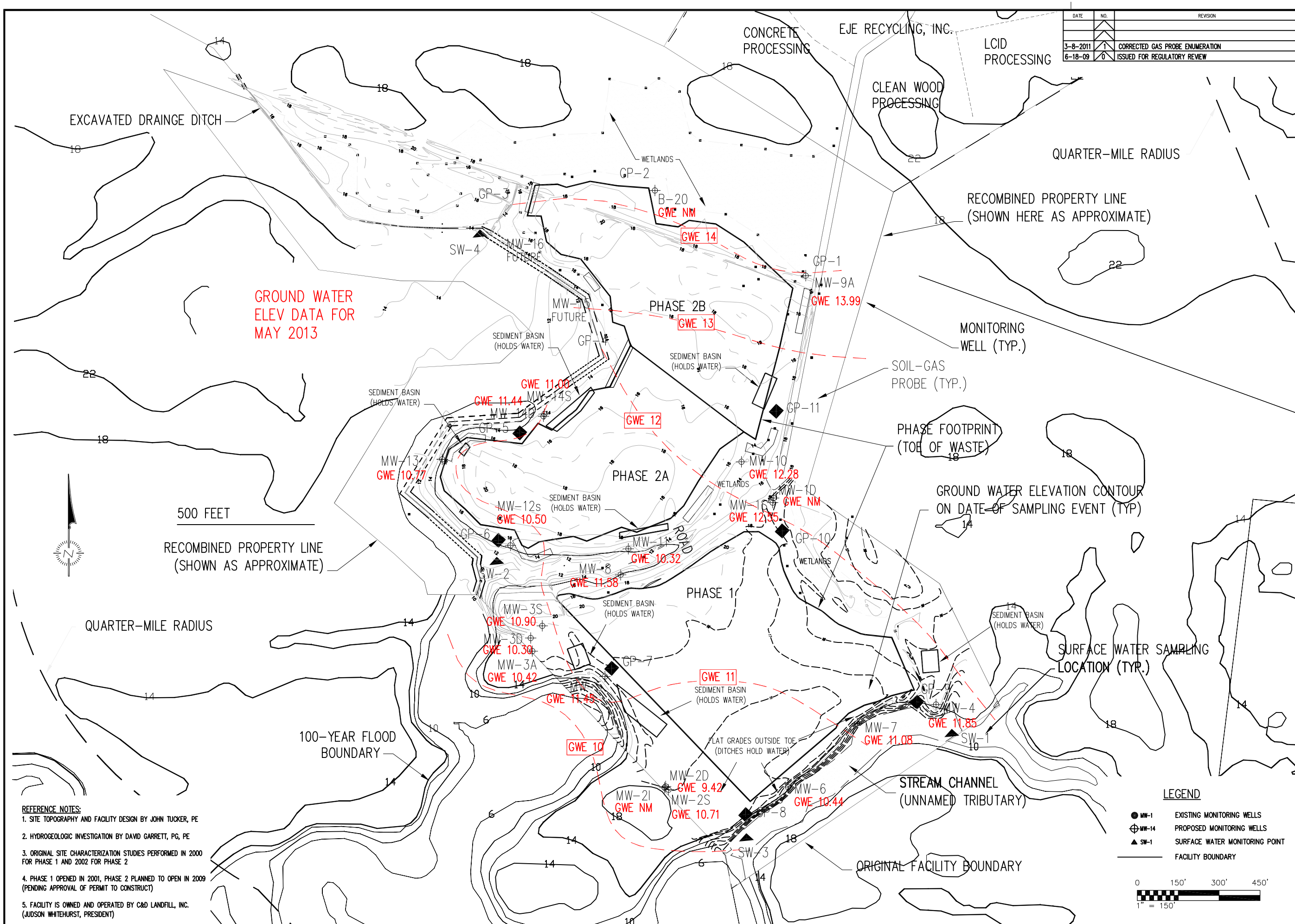
J = Estimated value above laboratory method detection limit and below SWSL

DATE	NO.	REVISION
3-8-2011	1	CORRECTED GAS PROBE ENUMERATION
6-18-09	0	ISSUED FOR REGULATORY REVIEW



REFERENCE NOTES:

1. SITE TOPOGRAPHY AND FACILITY DESIGN BY JOHN TUCKER, PE
2. HYDROGEOLOGIC INVESTIGATION BY DAVID GARRETT, PG, PE
3. ORIGINAL SITE CHARACTERIZATION STUDIES PERFORMED IN 2000 FOR PHASE 1 AND 2002 FOR PHASE 2
4. PHASE 1 OPENED IN 2001, PHASE 2 PLANNED TO OPEN IN 2009 (PENDING APPROVAL OF PERMIT TO CONSTRUCT)
5. FACILITY IS OWNED AND OPERATED BY C&D LANDFILL, INC. (JUDSON WHITEHURST, PRESIDENT)

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SEAL

NORTH CAROLINA PROFESSIONAL SEAL DAVID GARRETT 6-18-09

PROJECT TITLE: C&D LANDFILL, INC. GROUND WATER MONITORING PITT COUNTY, NC PERMIT #74-07

DRAWING TITLE: POTENTIOMETRIC CONTOURS FOR PHASES 1 AND 2 OBSERVED MAY 14, 2013

DESIGNED BY: G.D.G.	DRAWN BY: G.D.G.
CHECKED BY: G.D.G.	PROJECT NO.: CDLF-3
SCALE: AS SHOWN	DATE: JUNE 2009
FILE NAME C&D LANDFILL ASSESSMENT	
SHEET NO. 1	DRAWING NO. MP1

Table 1
Monitoring Well and Groundwater Data
Water Quality Monitoring
May 14, 2013
Phase 2 - C&D Landfill, Inc.
Greenville, Pitt County, North Carolina
Permit # 74-07

Well Identity	Depth to Groundwater (Feet BTOC)	Elevation Top of PVC Well Casing (Feet MSL)	Groundwater Elevation (Feet MSL)	Field Parameters			
				Temp. C°	pH	S.C. umhos/cm	Turbidity (ntu)
MW-9A	6.59	20.58	13.99	16.0	7.4	356	NM
MW-10	4.33	16.61	12.28	16.0	6.5	1140	NM
MW-11	4.17	14.49	10.32	16.0	6.9	864	NM
MW-12s	5.68	16.18	10.50	17.0	6.4	1612	NM
MW-13	9.92	20.69	10.77	17.0	5.6	271	NM
MW-14s	5.60	16.60	11.00	16.0	5.2	1519	NM
MW-14d	6.01	17.45	11.44	16	7.5	512	NM

Notes: BGS = Below Ground Surface

NM = Not Measured
S.C. = Specific Conductance
ntu = Nephelometric Turbidity Units

Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-9A (Background)									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.4 J	ND	ND	ND	ND	0.03 J	0.06 J	0.04 J	
10	Arsenic	ND	1.3 J	0.3 J	0.6 J	0.6 J	0.5 J	0.50 J	0.17 J	0.15 J	
700	Barium	112 B	55.4 J	29.4 J	32.9 J	50.7 J	43.6 J	48.9 J	36.5 J	39.5 J	
4*	Beryllium	ND	0.2 J	ND	ND	ND	ND	--- U	--- U	--- U	
2	Cadmium	0.16 J	0.1 J	0.2 J	0.1 J	0.05 J	0.08 J	0.14 J	0.04 J	0.64 J	
10	Chromium	3 JB	2.7 J	0.3 J	ND	0.17 J	0.23 J	--- U	--- U	0.13 J	
1*	Cobalt	ND	0.7 J	0.2 J	0.2 J	0.09 J	0.11 J	0.06 J	0.08 J	0.04 J	
1000	Copper	2.13 J	1.3 J	0.1 J	ND	0.29 J	0.05 J	0.11 J	0.5 J	0.35 J	
70	Cyanide (assassment)										
15	Lead	ND	1.8 J	0.1 J	ND	0.16 J	0.16 J	--- U	0.12 J	0.12 J	
1	Mercury (assassment)										
100	Nickel	ND	2.5 J	2.0 J	1.8 J	0.77 J	0.78 J	0.23 J	1.3 J	0.98 J	
20	Selenium	6.61 J	ND	ND		ND	ND	--- U	0.21 J	0.08 J	
20	Silver	7.15 JB	0.1 J	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	ND	0.08 J	--- U	--- U	--- U	
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**4.9 J**	**0.6 J**	**0.9 J**	**1.2 J**	**1.3 J**	**0.96 J**	0.25 J	0.07 J	
1000	Zinc	1.66 JB	7.5 J	1.5 J	2.6 J	3.2 J	2.3 J	0.66 J	4.4 J	3.7 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Bromochloromethane	**0.48 J**	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.6	Bromodichloromethane	**0.97 J**	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4	Bromoform	3.48	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Chloroform (Trichloromethane)	0.640 J	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Chloromethane	0.330 J	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	Dibromochloromethane	**2.80 J**	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	1.13 J	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Ethylbenzene	0.950 J	ND	ND	ND	ND	ND	--- U	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
500	Total Xylenes	2.77 J	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U	--- U	--- U	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *

* - denotes groundwater standard based on other criteria

Laboratory results in bold exceed NCAC 2L Standard or SWSL

ND = Not Detected above the Laboratory Reporting Limit

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-10									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	ND	ND	ND	ND	0.04 J	0.09 J	0.04 J	
10	Arsenic	ND	0.5 J	0.5 J	1.1 J	0.52 J	2.5 J	1.1 J	1.5 J	0.74 J	
700	Barium	76.1 JB	113	129	63.2 J	89.2 J	43.6 J	87.5 J	132	169	
4*	Beryllium	ND	0.2 J	0.1 J	0.1 J	0.29 J	0.16 J	0.09 J	0.08 J	0.08 J	
2	Cadmium	0.17 J	ND	1.00	0.1 J	0.8 J	0.08 J	0.05 J	0.08 J	0.06 J	
10	Chromium	3 JB	0.9 J	0.6 J	0.1 J	0.83 J	0.86 J	0.05 J	0.8 J	1.1 J	
1*	Cobalt	ND	0.3 J	0.2 J	0.3 J	2.2 J	0.26 J	0.45 J	0.86 J	0.33 J	
1000	Copper	2.34 J	1.0 J	0.6 J	ND	1.7 J	0.18 J	0.37 J	0.64 J	0.68 J	
70	Cyanide (assassment)										
15	Lead	ND	1.4 J	2.0 J	1.1 J	1.2 J	1.9 J	0.74 J	0.43 J	0.23 J	
1	Mercury (assassment)										
100	Nickel	ND	0.8 J	1.5 J	4.1 J	1.1 J	1.3 J	2.3 J	1.6 J	0.15 J	
20	Selenium	ND	0.2 J	0.6 J	ND	1.1 J	0.62 J	0.93 J	2.1 J	0.17 J	
20	Silver	6.95 JB	0.1 J	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.05 J	0.05 J	--- U	--- U	--- U	
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**4.5 J**	**3.2 J**	**1.9 J**	**3.1 J**	**9.2 J**	**5.9 J**	**4.1 J**	**4.6 J**	
1000	Zinc	ND	2.6 J	4.0 J	2.1 J	3.5 J	1.7 J	--- U	3.1 J	2.1 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	0.40 J	ND	ND	ND	ND	--- U	--- U	--- U	
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U	--- U	--- U	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *

* - denotes groundwater standard based on other criteria

Laboratory results in bold exceed NCAC 2L Standard or SWSL

ND = Not Detected above the Laboratory Reporting Limit

NE = Not Established NS = Not sampled

U = not detected above the laboratory method detection limit

J = Estimated value above laboratory method detection limit and below SWSL

Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-11									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	0.7 J	ND	ND	ND	0.06 J	0.08 J	0.05 J	
10	Arsenic	ND	ND	ND	0.6 J	ND	0.23 J	0.41 J	0.82 J	0.58 J	
700	Barium	39.8 JB	23.4 J	14.2 J	31.4 J	19.2 J	17.3 J	23.9 J	19.3 J	19.8 J	
4*	Beryllium	ND	0.3 J	0.1 J	0.2 J	0.31 J	0.10 J	0.08 J	0.29 J	1.00	
2	Cadmium	0.3 J	0.2 J	0.1 J	0.2 J	0.17 J	0.13 J	0.22 J	0.64 J	0.97 J	
10	Chromium	3.09 JB	ND	0.3 J	0.1 J	0.23 J	ND	0.05 J	0.25 J	0.78 J	
1*	Cobalt	ND	0.5 J	0.3 J	0.3 J	0.26 J	0.2 J	0.22 J	0.53 J	0.73 J	
1000	Copper	2.44 J	0.8 J	0.2 J	ND	0.67 J	0.09 J	0.50 J	0.7 J	1.4 J	
70	Cyanide (assassment)										
15	Lead	ND	0.2 J	0.2 J	0.2 J	0.1 J	0.12 J	0.09 J	0.49 J	0.53 J	
1	Mercury (assassment)										
100	Nickel	2.75 J	2.2 J	1.8 J	1.6 J	1.2 J	1.2 J	3.4 J	2.3 J	2.4 J	
20	Selenium	4.22 J	ND	ND	ND	ND	ND	0.72 J	1.1 J	1.1 J	
20	Silver	6.92 JB	ND	0.1 J	ND	ND	ND	--- U	--- U	0.03 J	
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	ND	0.12 J	--- U	--- U	0.14 J	
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**1.3 J**	**1.0 J**	**0.6 J**	**0.54 J**	**0.55 J**	**0.78 J**	**0.44 J**	**0.35 J**	
1000	Zinc	ND	2.9 J	2.0 J	3.2 J	2.1 J	1.9 J	1.7 J	6.4 J	3.8 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	0.60 J	ND	ND	ND	ND	--- U	--- U	--- U	
3	Chloromethane	0.290 J	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	18.40	6.20	--- U	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

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Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-12s									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	ND	0.8 J	0.47 J	0.51 J	0.24 J	0.3 J	0.18 J	
10	Arsenic	ND	ND	0.4 J	5.3 J	5.9 J	11	**24**	**15**	**19**	
700	Barium	56.6 JB	98.5 J	39.2 J	177.0	346.0	467.0	291.0	504.0	342	
4*	Beryllium	ND	ND	0.1 J	0.1 J	ND	ND	--- U	--- U	0.03 J	
2	Cadmium	ND	0.2 J	0.2 J	0.1 J	0.1 J	0.06	0.05 J	0.13 J	0.68 J	
10	Chromium	2.48 JB	ND	0.6 J	1.7 J	2.6 J	14	6.5 J	16	19	
1*	Cobalt	ND	0.2 J	0.2 J	0.8 J	**1.5 J**	0.84 J	0.72 J	**1.1 J**	0.88 J	
1000	Copper	1.86 J	0.7 J	0.3 J	1.1 J	1.5 J	0.53 J	0.87 J	0.91 J	1.5 J	
70	Cyanide (assassment)										
15	Lead	ND	0.4 J	1.1 J	1.9 J	0.83 J	0.64 J	0.90 J	0.65 J	0.07 J	
1	Mercury (assassment)										
100	Nickel	2.43 J	0.9 J	0.9 J	4.1 J	6.8 J	7.6 J	5.6 J	7.3 J	4.8 J	
20	Selenium	ND	0.2 J	ND	1.3 J	1.7 J	2.5 J	3.7 J	4.1 J	5.7 J	
20	Silver	6.87 JB	0.1 J	ND	0.1 J	ND	ND	--- U	--- U	--- U	
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.08 J	0.04 J	--- U	--- U	--- U	
2000*	Tin (assassment)										
0.3*	Vanadium	**1.42**	**2.4 J**	**3.7 J**	**4.4 J**	**2.9 J**	**4.8 J**	**6.9 J**	**6.4 J**	**1.9 J**	
1000	Zinc	ND	2.8 J	1.1 J	3.1 J	3.5 J	1.8 J	--- U	4.1 J	1.9 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	0.3 J	**1.20**	0.7 J	**1.1**	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	8.9	ND	ND	--- U	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	1.10 J	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	0.6 J	0.4 J	**1.10**	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	0.6 J	1.2 J	8.50	4.10 J	5.9	
600	Ethylbenzene	ND	ND	ND	2	ND	0.6 J	2.10	1.5	1.2	
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	11.2	0.9 J	ND	--- U	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	78.9	ND	ND	--- U	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	0.2	0.2 J	ND	--- U	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	0.60 J	--- U	--- U	
500	Total Xylenes	ND	ND	ND	11.7	ND	ND	3.30 J	--- U	--- U	
NE	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	0.7 J	ND	0.40 J	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.80 J**	**1.90**	**3**	
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	4.2	2.50	10.90	3.3	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *

* - denotes groundwater standard based on other criteria

Laboratory results in bold exceed NCAC 2L Standard or SWSL

ND = Not Detected above the Laboratory Reporting Limit

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Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-13									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	ND	ND	ND	ND	0.10 J	0.1 J	0.03 J	
10	Arsenic	ND	2.4 J	1.4 J	1.8 J	0.29 J	0.52 J	0.62 J	0.76 J	0.34 J	
700	Barium	44.1 JB	82.8 J	86.7 J	106.0	92.3 J	67.8 J	74.2 J	76.6 J	69.7 J	
4*	Beryllium	ND	0.3 J	0.3 J	0.3 J	0.12 J	0.14 J	0.12 J	0.13 J	0.12 J	
2	Cadmium	0.16 J	0.2 J	0.4 J	0.2 J	0.16 J	0.13 J	0.18 J	0.12 J	0.21 J	
10	Chromium	1.77 JB	0.7 J	0.8 J	0.9 J	0.51 J	0.57 J	0.61 J	0.68 J	0.59 J	
1*	Cobalt	ND	**1.3 J**	0.9 J	1.0 J	**1.2 J**	0.6 J	**1.5 J**	0.46 J	0.47 J	
1000	Copper	1.33 J	1.2 J	0.5 J	0.8 J	2.1 J	0.82 J	0.77 J	1.0 J	0.63 J	
70	Cyanide (assassment)										
15	Lead	ND	3.2 J	1.8 J	3.1 J	0.8 J	0.93 J	1.0 J	1.5 J	0.93 J	
1	Mercury (assassment)										
100	Nickel	2.44 J	1.6 J	1.7 J	2.2 J	2.1 J	1.3 J	3.4 J	1.7 J	0.84 J	
20	Selenium	ND	0.5 J	ND	0.8 J	0.38 J	0.78 J	0.64 J	1.0 J	0.83 J	
20	Silver	6.91 JB	0.1 J	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.04 J	0.07 J	--- U	--- U	--- U	
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**4.9 J**	**2.4 J**	**3.6 J**	**1.0 J**	**1.4 J**	**2.2 J**	**3.0 J**	**2.0 J**	
1000	Zinc	4.63 JB	8.5 J	7.5 J	8.5 J	32.0	3.2 J	8.1 J	3.3 J	3.5 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U	--- U	--- U	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

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C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-14s									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.2 J	ND	ND	ND	ND	0.34 J	0.14 J	0.15 J	
10	Arsenic	ND	1.3 J	ND	1.6 J	1.5 J	1.7 J	4.0 J	3.7 J	5.0 J	
700	Barium	111 B	100	107	177	127	223	105	74.7 J	69.4 J	
4*	Beryllium	ND	0.6 J	0.1 J	0.2 J	0.2 J	0.29 J	2.00	0.39 J	0.48 J	
2	Cadmium	0.23 J	0.2 J	0.1 J	0.3 J	0.12 J	0.29 J	0.18 J	0.36 J	0.18 J	
10	Chromium	2.83 JB	2.6 J	0.5 J	0.5 J	0.48 J	1.3 J	2.0 J	1.2 J	5.8 J	
1*	Cobalt	ND	0.4 J	0.2 J	0.3 J	0.18 J	0.42 J	**3.4 J**	1.6 J	2.4 J	
1000	Copper	1.34 J	2.4 J	0.1 J	0.1 J	0.81 J	0.59 J	1.9 J	0.57 J	1.8 J	
70	Cyanide (assassment)										
15	Lead	ND	21	1.5 J	2.2 J	4.4 J	3.2 J	11	7.9 J	0.75 J	
1	Mercury (assassment)										
100	Nickel	ND	1.0 J	1.1 J	1.9 J	0.86 J	2 J	5.2 J	1.9 J	4.4 J	
20	Selenium	ND	0.4 J	ND	ND	0.44 J	0.33 J	1.4 J	0.94 J	5.5 J	
20	Silver	7.19 JB	0.1 J	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.04 J	0.05 J	--- U	--- U	0.30 J	
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**35**	**3.3 J**	**8.5 J**	**11.8 J**	**8.4 J**	**31**	**22.7 J**	**8.2 J**	
1000	Zinc	1.48 JB	4.7 J	1.2 J	2.6 J	2.6 J	4.7 J	6.2 J	4.6 J	5.6 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
1	Benzene	ND	ND	ND	ND	ND	ND	--- U	--- U	0.40 J	
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	1.40 J	
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U	--- U	0.3 J	
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Toluene	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	0.30 J	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	0.9 J	14.00	0.70 J	7.40	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-14d									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.1 J	NS	NS	NS	ND	NS	0.09 J	0.04 J	
10	Arsenic	ND	0.2 J	NS	NS	NS	0.32 J	NS	0.24 J	0.08 J	
700	Barium	13.9 JB	13.1 J	NS	NS	NS	9.9 J	NS	11.2 J	10.2 J	
4*	Beryllium	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
2	Cadmium	0.4 J	1.0	NS	NS	NS	0.43 J	NS	0.43 J	2	
10	Chromium	4.24 JB	1.8 J	NS	NS	NS	ND	NS	0.4 J	0.27 J	
1*	Cobalt	ND	0.2 J	NS	NS	NS	0.08 J	NS	0.10 J	0.04 J	
1000	Copper	ND	2.4 J	NS	NS	NS	0.66 J	NS	1.2 J	0.84 J	
70	Cyanide (assassment)			NS	NS	NS		NS			
15	Lead	ND	1.2 J	NS	NS	NS	0.17 J	NS	0.22 J	0.07 J	
1	Mercury (assassment)			NS	NS	NS		NS			
100	Nickel	ND	2.14 J	NS	NS	NS	1.4 J	NS	1.7 J	0.96 J	
20	Selenium	ND	ND	NS	NS	NS	ND	NS	0.23 J	0.27 J	
20	Silver	6.77 JB	0.1 J	NS	NS	NS	ND	NS	--- U	--- U	
NE	Sulfide (assassment)			NS	NS	NS		NS			
0.28*	Thallium	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
2000*	Tin (assassment)			NS	NS	NS		NS			
0.3*	Vanadium	ND	**1.4 J**	NS	NS	NS	0.3 J	NS	**0.41 J**	--- U	
1000	Zinc	ND	21.0	NS	NS	NS	3.2 J	NS	6.1 J	4.2 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
1	Benzene	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
700	Carbon Disulfide	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
NE	Bromochloromethane	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
0.6	Bromodichloromethane	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
4	Bromoform	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
70	Chloroform (Trichloromethane)	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
3	Chloromethane	0.210 J	ND	NS	NS	NS	ND	NS	--- U	--- U	
0.4	Dibromochloromethane	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
0.4	1,2-Dichloroethane	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
600	Ethylbenzene	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
0.7	Tetrachloroethene	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
600	Toluene	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
500	Total Xylenes	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
NE	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
0.03	Vinyl Chloride	ND	ND	NS	NS	NS	ND	NS	--- U	--- U	
NE	Tetrahydrofuran	NA	NA	NS	NS	NS	ND	NS	--- U	--- U	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-2									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	NS	0.1 J	ND	ND	0.2 J	ND	0.09 J	0.10 J	0.14 J	
10	Arsenic	NS	0.3 J	0.9 J	1.1 J	0.82 J	2.5 J	2.0 J	0.60 J	0.81 J	
700	Barium	NS	71.3 J	33.3 J	59.1 J	71.6 J	69.4 J	84.8	49.1 J	64.6 J	
4*	Beryllium	NS	ND	0.1 J	0.1 J	0.06 J	0.06 J	--- U	--- U	0.07 J	
2	Cadmium	NS	1.2	0.2 J	0.1 J	0.11 J	ND	--- U	0.03 J	0.05 J	
10	Chromium	NS	0.7 J	0.4 J	0.5 J	0.58 J	1.2 J	1.4 J	0.545 J	1.6 J	
1*	Cobalt	NS	0.3 J	0.3 J	0.5 J	**1.5 J**	0.75 J	0.79 J	0.31 J	0.52 J	
1000	Copper	NS	0.8 J	0.4 J	0.1 J	0.94 J	0.46 J	1.2 J	0.36 J	1.4 J	
70	Cyanide (assassment)	NS									
15	Lead	NS	0.3 J	0.9 J	0.1 J	0.5 J	0.79 J	2.1 J	0.43 J	1.2 J	
1	Mercury (assassment)	NS									
100	Nickel	NS	0.9 J	0.4 J	1.6 J	1.8 J	0.99 J	2.9 J	0.46 J	0.63 J	
20	Selenium	NS	ND	ND	0.6 J	0.22 J	0.29 J	0.57 J	0.30 J	0.38 J	
20	Silver	NS	0.1 J	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Sulfide (assassment)	NS									
0.28*	Thallium	NS	0.1 J	ND	ND	ND	ND	--- U	--- U	--- U	
2000*	Tin (assassment)	NS									
0.3*	Vanadium	NS	**0.8 J**	**2.0 J**	**1.1 J**	**0.86 J**	**3.4 J**	**2.5 J**	**0.83 J**	**1.5 J**	
1000	Zinc	NS	8.1 J	2.3 J	6.8 J	12	8.2 J	18	6.5 J	5.2 J	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
1	Benzene	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
700	Carbon Disulfide	NS						--- U	--- U	--- U	
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
4	Bromoform	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3000	Chloroethane (Ethyl Chloride)	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Chloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
5	Methylene Chloride (Dichloromethane)	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
600	Toluene	NS	ND	ND	ND	ND	0.4 J	--- U	--- U	1.3	
500	Total Xylenes	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	--- U	--- U	--- U	
NE	Tetrahydrofuran	NS	NA	NA	NA	ND	ND	--- U	--- U	--- U	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

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Table 2

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C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-4									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	NS	0.2 J	ND	ND	0.29 J	ND	0.04 J	--- U	Dry	
10	Arsenic	NS	0.2 J	0.6 J	0.5 J	1.3 J	0.51 J	0.92 J	0.82 J	Dry	
700	Barium	NS	70.9 J	82.1 J	94.2 J	137	81.2 J	74.3 J	70.6 J	Dry	
4*	Beryllium	NS	0.1 J	0.1 J	0.1 J	0.57 J	0.1 J	0.15 J	0.12 J	Dry	
2	Cadmium	NS	0.1 J	0.1 J	0.2 J	0.14 J	0.05 J	--- U	0.07 J	Dry	
10	Chromium	NS	0.3 J	0.9 J	0.3 J	3.1 J	0.46 J	1.00 J	1.1 J	Dry	
1*	Cobalt	NS	0.2 J	0.5 J	0.7 J	**1.6 J**	0.86 J	0.72 J	**1.7 J**	Dry	
1000	Copper	NS	0.7 J	0.5 J	0.3 J	1.5 J	ND	0.42 J	1.2 J	Dry	
70	Cyanide (assassment)	NS									
15	Lead	NS	0.3 J	1.6 J	0.2 J	5.7 J	0.29 J	1.3 J	1.3 J	Dry	
1	Mercury (assassment)	NS									
100	Nickel	NS	0.6 J	0.8 J	0.8 J	1.5 J	0.55 J	6.1 J	1.1 J	Dry	
20	Selenium	NS	ND	ND	ND	0.33 J	ND	--- U	--- U	Dry	
20	Silver	NS	0.1 J	ND	ND	ND	ND	--- U	--- U	Dry	
NE	Sulfide (assassment)	NS									
0.28*	Thallium	NS	ND	ND	ND	0.09 J	0.09 J	--- U	--- U	Dry	
2000*	Tin (assassment)	NS									
0.3*	Vanadium	NS	**0.6 J**	**3.0 J**	**0.9 J**	**7.2 J**	**0.88 J**	**3.0 J**	**2.3 J**	Dry	
1000	Zinc	NS	8.8 J	3.0 J	3.9 J	9.4 J	2.4 J	0.70 J	11.0	Dry	
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
1	Benzene	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
4	Bromoform	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
3000	Chloroethane (Ethyl Chloride)	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
3	Chloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
5	Methylene Chloride (Dichloromethane)	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
600	Toluene	NS	ND	ND	ND	0.4 J	ND	--- U	--- U	Dry	
500	Total Xylenes	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
NE	1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	--- U	--- U	Dry	
NE	Tetrahydrofuran	NS	NA	NA	NA	ND	ND	--- U	--- U	Dry	
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6003

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/13
DATE REPORTED : 06/03/13

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-2D	MW-3D	MW-3A	MW-4	MW-5	Analysis Date	Analyst	Method Code
PH (field measurement), Units			7.7	7.8	6.5	6.0	7.0	05/14/13	BF	4500HB-00
Antimony, ug/l	0.02	6.0	0.04 J	0.03 J	0.07 J	--- U	0.34 J	05/17/13	LFJ	EPA200.8
Arsenic, ug/l	0.05	10.0	0.86 J	0.51 J	2.4 J	0.83 J	2.4 J	05/17/13	LFJ	EPA200.8
Barium, ug/l	0.06	100.0	16.5 J	7.8 J	62.5 J	108	115	05/17/13	LFJ	EPA200.8
Beryllium, ug/l	0.03	1.0	0.03 J	--- U	--- U	--- U	0.23 J	05/17/13	LFJ	EPA200.8
Cadmium, ug/l	0.05	1.0	0.39 J	0.48 J	0.07 J	0.09 J	0.20 J	05/17/13	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	0.26 J	0.08 J	18	0.35 J	1.6 J	05/17/13	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	2.0 J	1.6 J	1.0 J	0.61 J	4.8 J	05/17/13	LFJ	EPA200.8
Total Chromium, ug/l	0.04	10.0	0.70 J	0.38 J	1.0 J	2.2 J	4.8 J	05/17/13	LFJ	EPA200.8
Lead, ug/l	0.02	10.0	0.33 J	0.13 J	0.04 J	0.29 J	1.5 J	05/17/13	LFJ	EPA200.8
Mercury, ug/l	0.01	0.20	0.04 J	0.05 J	0.03 J			05/29/13	ADD	245.1 R3-94
Nickel, ug/l	0.45	50.0	1.6 J	0.90 J	5.0 J	1.8 J	5.6 J	05/17/13	LFJ	EPA200.8
Selenium, ug/l	0.06	10.0	0.06 J	0.23 J	4.9 J	1.1 J	4.4 J	05/17/13	LFJ	EPA200.8
Silver, ug/l	0.03	10.0	--- U	--- U	--- U	--- U	--- U	05/17/13	LFJ	EPA200.8
Thallium, ug/l	0.02	5.5	--- U	0.18 J	0.08 J	--- U	0.07 J	05/17/13	LFJ	EPA200.8
Tin, ug/l	0.06	100.0	0.24 J	0.44 J	0.20 J			05/17/13	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	1.3 J	0.93 J	0.39 J	3.3 J	3.5 J	05/17/13	LFJ	EPA200.8
Zinc, ug/l	0.47	10.0	5.4 J	5.0 J	3.8 J	1.6 J	6.1 J	05/17/13	LFJ	EPA200.8
Sulfide, ug/l	100	1000	--- U	--- U	--- U			05/20/13	LFJ	4500S2D-00
Conductivity (at 25c), uMhos/cm	1.0	1.0	486	526	1330	480	1294	05/14/13	BF	2510B-97
Temperature, °C			17	17	15	15	17	05/14/13	BF	2550B-00
Static Water Level, feet			12.38	12.53	11.51	6.57	6.45	05/14/13	BF	
Well Depth, feet			38.14	52.50	23.44	15.98	21.06	05/14/13	BF	
Turbidity (Field), NTU	1.0	1.0	7	7	6	17	6	05/14/13	BF	2130B-01

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6003

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/13
DATE REPORTED : 06/03/13

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-6	MW-7	MW-8	Well #1 Shallow	Well #2 Shallow	Analysis Date	Analyst	Method Code
PH (field measurement), Units			6.6	6.7	7.0	6.0	5.9	05/14/13	BF	4500HB-00
Antimony, ug/l	0.02	6.0	0.07 J	0.31 J	0.14 J	0.07 J	0.09 J	05/17/13	LFJ	EPA200.8
Arsenic, ug/l	0.05	10.0	2.4 J	5.0 J	6.2 J	0.82 J	5.3 J	05/17/13	LFJ	EPA200.8
Barium, ug/l	0.06	100.0	209	560	144	73.9 J	80.2 J	05/17/13	LFJ	EPA200.8
Beryllium, ug/l	0.03	1.0	0.16 J	--- U	--- U	0.04 J	0.10 J	05/17/13	LFJ	EPA200.8
Cadmium, ug/l	0.05	1.0	0.31 J	0.14 J	0.13 J	0.15 J	0.29 J	05/17/13	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	3.0 J	9.2 J	24	0.20 J	2.8 J	05/17/13	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	1.8 J	1.9 J	1.2 J	0.96 J	1.6 J	05/17/13	LFJ	EPA200.8
Total Chromium, ug/l	0.04	10.0	3.2 J	7.4 J	2.2 J	0.50 J	0.57 J	05/17/13	LFJ	EPA200.8
Lead, ug/l	0.02	10.0	0.05 J	0.08 J	0.06 J	0.14 J	0.55 J	05/17/13	LFJ	EPA200.8
Mercury, ug/l	0.01	0.20			0.03 J	0.04 J		05/29/13	ADD	245.1 R3-94
Nickel, ug/l	0.45	50.0	4.3 J	5.5 J	9.3 J	1.8 J	4.6 J	05/17/13	LFJ	EPA200.8
Selenium, ug/l	0.06	10.0	2.7 J	9.9 J	6.8 J	1.6 J	14	05/17/13	LFJ	EPA200.8
Silver, ug/l	0.03	10.0	--- U	--- U	--- U	--- U	--- U	05/17/13	LFJ	EPA200.8
Thallium, ug/l	0.02	5.5	0.10 J	0.20 J	0.06 J	0.04 J	0.07 J	05/17/13	LFJ	EPA200.8
Tin, ug/l	0.06	100.0			0.08 J	--- U		05/17/13	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	1.5 J	1.3 J	1.3 J	1.0 J	0.62 J	05/17/13	LFJ	EPA200.8
Zinc, ug/l	0.47	10.0	0.91 J	1.0 J	2.9 J	0.76 J	2.4 J	05/17/13	LFJ	EPA200.8
Sulfide, ug/l	100	1000			--- U	--- U		05/20/13	LFJ	4500S2D-00
Conductivity (at 25c), uMhos/cm	1.0	1.0	1198	2520	3090	501	1404	05/14/13	BF	2510B-97
Temperature, °C			16	16	18	15	16	05/14/13	BF	2550B-00
Static Water Level, feet			9.59	8.32	9.63	8.36	10.73	05/14/13	BF	
Well Depth, feet			16.65	16.33	20.36	17.21	16.57	05/14/13	BF	
Turbidity (Field), NTU	1.0	1.0	6	5	4	8	7	05/14/13	BF	2130B-01

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6003

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/13
DATE REPORTED : 06/03/13

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #3 Shallow	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units			6.5		05/14/13	BF	4500HB-00
Antimony, ug/l	0.02	6.0	--- U		05/17/13	LFJ	EPA200.8
Arsenic, ug/l	0.05	10.0	3.7 J		05/17/13	LFJ	EPA200.8
Barium, ug/l	0.06	100.0	288		05/17/13	LFJ	EPA200.8
Beryllium, ug/l	0.03	1.0	0.09 J		05/17/13	LFJ	EPA200.8
Cadmium, ug/l	0.05	1.0	0.11 J		05/17/13	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	2.2 J		05/17/13	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	0.77 J		05/17/13	LFJ	EPA200.8
Total Chromium, ug/l	0.04	10.0	0.50 J		05/17/13	LFJ	EPA200.8
Lead, ug/l	0.02	10.0	0.03 J		05/17/13	LFJ	EPA200.8
Mercury, ug/l	0.01	0.20	0.03 J		05/29/13	ADD	245.1 R3-94
Nickel, ug/l	0.45	50.0	3.5 J		05/17/13	LFJ	EPA200.8
Selenium, ug/l	0.06	10.0	5.4 J		05/17/13	LFJ	EPA200.8
Silver, ug/l	0.03	10.0	--- U		05/17/13	LFJ	EPA200.8
Thallium, ug/l	0.02	5.5	--- U		05/17/13	LFJ	EPA200.8
Tin, ug/l	0.06	100.0	0.24 J		05/17/13	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	1.9 J		05/17/13	LFJ	EPA200.8
Zinc, ug/l	0.47	10.0	1.2 J		05/17/13	LFJ	EPA200.8
Sulfide, ug/l	100	1000	272 J		05/20/13	LFJ	4500S2D-00
Conductivity (at 25c), uMhos/cm	1.0	1.0	1223		05/14/13	BF	2510B-97
Temperature, °C			17		05/14/13	BF	2550B-00
Static Water Level, feet			12.12		05/14/13	BF	
Well Depth, feet			22.24		05/14/13	BF	
Turbidity (Field), NTU	1.0	1.0	2		05/14/13	BF	2130B-01

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Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

REVIEWED BY:

CLIENT ID: 6003

ANALYST: CHS
DATE COLLECTED: 05/14/13
DATE EXTRACTED: 05/16/13
DATE ANALYZED: 05/30/13
DATE REPORTED: 06/03/13

LANDFILL APPENDIX II
EPA METHOD 8151A R1(96)

PARAMETERS, ug/l	MDL	SWSL	MW-2D	MW-3D	MW-3A	MW-8	Well #1 Shallow
1. 2,4-D	0.36	2.0	--- U	--- U	--- U	--- U	--- U
2. Dinoseb	0.54	1.0	--- U	--- U	--- U	--- U	--- U
3. 2,4,5-TP	0.42	2.0	--- U	--- U	--- U	--- U	--- U
4. 2,4,5-T	0.47	2.0	--- U	--- U	--- U	1.14 J	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: CHS
DATE COLLECTED: 05/14/13
DATE EXTRACTED: 05/16/13
DATE ANALYZED: 05/30/13
DATE REPORTED: 06/03/13

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A R1(96)

PARAMETERS, ug/l	MDL	SWSL	Well #3 Shallow
1. 2,4-D	0.36	2.0	--- U
2. Dinoseb	0.54	1.0	--- U
3. 2,4,5-TP	0.42	2.0	--- U
4. 2,4,5-T	0.47	2.0	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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GREENVILLE, N.C. 27835-7085

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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/03/13

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	Date Analyzed: 05/16/13 MW-2D	05/16/13 MW-3D	05/16/13 MW-3A	05/16/13 MW-4	05/16/13 MW-5
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	0.30 J	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/03/13

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	Date Analyzed: 05/16/13 MW-2D	05/16/13 MW-3D	05/16/13 MW-3A	05/16/13 MW-4	05/16/13 MW-5
48. Tetrahydrofuran	0.39	1.0	--- U	--- U	2.40	--- U	--- U

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CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/03/13

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	05/16/13 MW-6	05/16/13 MW-7	05/16/13 MW-8	05/16/13 Well #1 Shallow	05/22/13 Well #2 Shallow
	Date Analyzed:						
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	0.40 J	1.20	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/03/13

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	05/16/13 MW-6	05/16/13 MW-7	05/16/13 MW-8	05/16/13 Well #1 Shallow	05/22/13 Well #2 Shallow
48. Tetrahydrofuran	0.39	1.0	4.40	20.90	5.40	--- U	1.80

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
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5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/03/13

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	05/22/13 Well #3 Shallow	05/22/13 Trip Blank
1. Chloromethane	0.77	1.0	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	1.00	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/03/13

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	05/22/13 Well #3 Shallow	05/22/13 Trip Blank
	Date Analyzed:			
48. Tetrahydrofuran	0.39	1.0	5.60	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6003 **Week:** 21

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH NC 27604

(919) 231-1818

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	8151A Landfill	8151A Duplicate				
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)							12						12	12	12						
CONTAINER TYPE, P/G						P	P	P	P	P	P		G	G	G	G	G				
CHEMICAL PRESERVATION						A	A	A	F	A	A		E	E	E	A	A				
MW-1D					8																
MW-2D	5-14-13	1135		17	8	G	G	G	G	G	G	G	G	G		G	G				
MW-3D	5-14-13	1340		17	8	G	G	G	G	G	G	G	G	G		G	G				
MW-3A	5-14-13	1315		15	8	G	G	G	G	G	G	G	G	G		G	G				
MW-4	5-14-13	0955		15	6	G	G	G		G	G	G	G	G	G						
MW-5	5-14-13	1220		17	5	G	G	G		G	G	G	G	G							
MW-6	5-14-13	1055		16	5	G	G	G		G	G	G	G	G							
MW-7	5-14-13	1025		16	5	G	G	G		G	G	G	G	G							
MW-8	5-14-13	1245		18	8	G	G	G	G	G	G	G	G	G		G	G				
Well #1 Shallow	5-14-13	0910		15	8	G	G	G	G	G	G	G	G	G		G	G				
Well #2 Shallow	5-14-13	1155		16	5	G	G	G		G	G	G	G	G							

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE/NAOH
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) Bobby Fox / Tom Beasley

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bobby Fox	5-14-13 1620	[signature]	5/14/13 4:23
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: MW-1D - BROKEN

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 260764

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6003 **Week:** 21

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH NC 27604

(919) 231-1818

DISINFECTION
- [ ] CHLORINE
- [ ] UV
- [ ] NONE
- [ ] _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	8151A Landfill	8151A Duplicate
							12						12	12			
						P	P	P	P	P	P		G	G	G	G	G
						A	A	A	F	A	A		E	E	E	A	A
Well #3 Shallow	5-14-13	1350		17	8	G	G	G	G	G	G	G	G	G		G	G
Trip Blank	5-14-13				2								G	G			

CHLORINE NEUTRALIZED AT COLLECTION	
pH CHECK (LAB)	
CONTAINER TYPE, P/G	
CHEMICAL PRESERVATION	
PARAMETERS	A - NONE, B - HNO_3, C - H_2SO_4, D - NAOH, E - HCL, F - ZINC ACETATE/NAOH, G - NA THIOSULFATE

CLASSIFICATION:
- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [x] SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) Bobby Fox / Tom Beasley

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bobby Fox	5-14-13 1620	[signature]	5/14/13 1423
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 260763

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6003 A

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/13
DATE REPORTED : 06/05/13

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-9A	MW-10	MW-11	MW-13	Well #12 Shallow	Analysis Date	Analyst	Method Code
PH (field measurement), Units			7.4	6.5	6.9	5.6	6.4	05/14/13	BF	4500HB-00
Antimony, ug/l	0.02	6.0	0.04 J	0.04 J	0.05 J	0.03 J	0.18 J	05/22/13	LFJ	EPA200.8
Arsenic, ug/l	0.05	10.0	0.15 J	0.74 J	0.58 J	0.34 J	19	05/22/13	LFJ	EPA200.8
Barium, ug/l	0.06	100.0	39.5 J	169	19.8 J	69.7 J	342	05/22/13	LFJ	EPA200.8
Beryllium, ug/l	0.03	1.0	--- U					05/17/13	LFJ	EPA200.8
Beryllium, ug/l	0.03	1.0		0.08 J	1	0.12 J	0.03 J	05/22/13	LFJ	EPA200.8
Cadmium, ug/l	0.05	1.0	0.64 J	0.06 J	0.97 J	0.21 J	0.68 J	05/22/13	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	0.04 J	0.33 J	0.73 J	0.47 J	0.88 J	05/22/13	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	0.35 J	0.68 J	1.4 J	0.63 J	1.5 J	05/22/13	LFJ	EPA200.8
Total Chromium, ug/l	0.04	10.0	0.13 J	1.1 J	0.78 J	0.59 J	19	05/22/13	LFJ	EPA200.8
Lead, ug/l	0.02	10.0	0.12 J	0.23 J	0.53 J	0.93 J	0.07 J	05/22/13	LFJ	EPA200.8
Nickel, ug/l	0.45	50.0	0.98 J	1.5 J	2.4 J	0.84 J	4.8 J	05/22/13	LFJ	EPA200.8
Selenium, ug/l	0.06	10.0	0.08 J	1.7 J	1.1 J	0.83 J	5.7 J	05/22/13	LFJ	EPA200.8
Silver, ug/l	0.03	10.0	--- U	--- U	0.03 J	--- U	--- U	05/23/13	MEL	EPA200.8
Thallium, ug/l	0.02	5.5	--- U	--- U	0.14 J	--- U	--- U	05/22/13	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	0.07 J	4.6 J	0.35 J	2.0 J	7.8 J	05/22/13	LFJ	EPA200.8
Zinc, ug/l	0.47	10.0	3.7 J	2.1 J	3.8 J	3.5 J	1.9 J	05/22/13	LFJ	EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	356	1140	864	271	1612	05/14/13	BF	2510B-97
Temperature, °C			16	16	16	17	17	05/14/13	BF	2550B-00
Static Water Level, feet			6.59	4.33	4.17	9.92	5.68	05/14/13	BF	
Well Depth, feet			23.17	22.73	23.84	22.68	22.93	05/14/13	BF	

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6003 A

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/13
DATE REPORTED : 06/05/13

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-14S	MW-14D	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.2	7.5	05/14/13	BF	4500HB-00
Antimony, ug/l	0.02	6.0	0.15 J	0.04 J	05/22/13	LFJ	EPA200.8
Arsenic, ug/l	0.05	10.0	5.0 J	0.08 J	05/22/13	LFJ	EPA200.8
Barium, ug/l	0.06	100.0	69.4 J	10.2 J	05/22/13	LFJ	EPA200.8
Beryllium, ug/l	0.03	1.0	0.48 J	--- U	05/22/13	LFJ	EPA200.8
Cadmium, ug/l	0.05	1.0	0.18 J	2	05/22/13	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	2.4 J	0.04 J	05/22/13	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	1.8 J	0.84 J	05/22/13	LFJ	EPA200.8
Total Chromium, ug/l	0.04	10.0	5.8 J	0.27 J	05/22/13	LFJ	EPA200.8
Lead, ug/l	0.02	10.0	0.75 J	0.07 J	05/22/13	LFJ	EPA200.8
Nickel, ug/l	0.45	50.0	4.4 J	0.96 J	05/22/13	LFJ	EPA200.8
Selenium, ug/l	0.06	10.0	5.5 J	0.27 J	05/22/13	LFJ	EPA200.8
Silver, ug/l	0.03	10.0	--- U	--- U	05/23/13	MEL	EPA200.8
Thallium, ug/l	0.02	5.5	0.30 J	--- U	05/22/13	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	8.2 J	--- U	05/22/13	LFJ	EPA200.8
Zinc, ug/l	0.47	10.0	5.6 J	4.2 J	05/22/13	LFJ	EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	1519	512	05/14/13	BF	2510B-97
Temperature, °C			16	16	05/14/13	BF	2550B-00
Static Water Level, feet			5.60	6.01	05/14/13	BF	
Well Depth, feet			23.12	42.00	05/14/13	BF	

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003 A

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/05/13

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	02/21/03 MW-9A	05/22/13 MW-10	05/24/13 MW-11	05/24/13 MW-13	05/24/13 Well #12 Shallow
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	3.00
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	5.90
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U	--- U	1.10
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	1.20
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003 A

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/05/13

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	02/21/03 MW-9A	05/22/13 MW-10	05/24/13 MW-11	05/24/13 MW-13	05/24/13 Well #12 Shallow
48. Tetrahydrofuran	0.39	1.0	--- U	--- U	--- U	--- U	3.30

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003 A

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/05/13

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	05/24/13 MW-14S	05/24/13 MW-14D
	Date Analyzed:			
1. Chloromethane	0.77	1.0	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	1.40 J	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U
20. Benzene	0.24	1.0	0.40 J	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U
27. Toluene	0.23	1.0	0.30 J	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U
36. Ethylbenzene	0.21	1.0	0.30 J	--- U
37. Xylenes	0.68	5.0	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003 A

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE REPORTED: 06/05/13

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	Date Analyzed: 05/24/13 MW-14S	05/24/13 MW-14D
48. Tetrahydrofuran	0.39	1.0	7.40	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6003 A **Week:** 21

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH NC 27604

(919) 231-1818

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

																						CHLORINE NEUTRALIZED AT COLLECTION
												<2			<2	<2	<2					pH CHECK (LAB)
												P	P	P	P		G	G	G			CONTAINER TYPE, P/G
												A	A	A	A		E	E	E			CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2									PARAMETERS
MW-9A	5-14-13	1550		16	5	G	G	G	G	G	G	G	G									
MW-10	5-14-13	1410		16	4	G	G	G	G	G	G	G										
MW-11	5-14-13	1430		16	4	G	G	G	G	G	G	G										
MW-13	5-14-13	1500		17	4	G	G	G	G	G	G	G										
Well #12 Shallow	5-14-13	1445		17	4	G	G	G	G	G	G	G										
MW-14S	5-14-13	1515		16	4	G	G	G	G	G	G	G										
MW-14D	5-14-13	1510		16	4	G	G	G	G	G	G	G										

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE/NAOH
G - NA THIOSULFATE

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)
Bobby Fox / Tom BEASLEY

SAMPLES RECEIVED IN LAB AT 1-0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bobby Fox	5-14-13 1620	[signature]	5/14/13 1423
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested

FORM #5

№ 260762

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6003 C

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/13
DATE REPORTED : 06/05/13

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-1	SW-2	SW-3	Analysis Date	Analyst	Method Code
PH (field measurement), Units			6.2	6.7	6.1	05/14/13	BF	4500HB-00
Antimony, ug/l	0.02	6.0	0.14 J	0.04 J	0.03 J	05/22/13	LFJ	EPA200.8
Arsenic, ug/l	0.05	10.0	1.2 J	0.81 J	0.35 J	05/22/13	LFJ	EPA200.8
Barium, ug/l	0.06	100.0	50.2 J	64.6 J	30.3 J	05/22/13	LFJ	EPA200.8
Beryllium, ug/l	0.03	1.0	0.12 J	0.07 J	0.11 J	05/22/13	LFJ	EPA200.8
Cadmium, ug/l	0.05	1.0	0.08 J	0.05 J	0.08 J	05/22/13	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	0.73 J	0.52 J	0.48 J	05/22/13	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	1.3 J	1.4 J	1.1 J	05/22/13	LFJ	EPA200.8
Total Chromium, ug/l	0.04	10.0	2.4 J	1.6 J	1.6 J	05/22/13	LFJ	EPA200.8
Lead, ug/l	0.02	10.0	1.6 J	1.2 J	3.0 J	05/22/13	LFJ	EPA200.8
Nickel, ug/l	0.45	50.0	0.97 J	0.65 J	0.47 J	05/22/13	LFJ	EPA200.8
Selenium, ug/l	0.06	10.0	0.39 J	0.38 J	0.19 J	05/22/13	LFJ	EPA200.8
Silver, ug/l	0.03	10.0	--- U	--- U	--- U	05/23/13	MEL	EPA200.8
Thallium, ug/l	0.02	5.5	0.05 J	--- U	0.06 J	05/22/13	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	3.1 J	1.5 J	3.4 J	05/22/13	LFJ	EPA200.8
Zinc, ug/l	0.47	10.0	4.1 J	5.2 J	6.8 J	05/22/13	LFJ	EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	124	237	71	05/14/13	BF	2510B-97
Temperature, °C			15	16	27	05/14/13	BF	2550B-00

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003 C

ANALYST: MAO
DATE COLLECTED: 05/14/13
DATE ANALYZED: 05/22/13
DATE REPORTED: 06/05/13

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

PARAMETERS, ug/l	MDL	SWSL	SW-1	SW-2	SW-3
1. Chloromethane	0.77	1.0	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U
27. Toluene	0.23	1.0	0.30 J	1.30	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U
48. Tetrahydrofuran	0.39	1.0	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6003 C **Week:** 21

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH NC 27604

(919) 231-1818

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	EPA 8260B	8260 Dup. 1										
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)							<2			<2	<2										
CONTAINER TYPE, P/G						P	P	P	P	G	G										
CHEMICAL PRESERVATION						A	A	A	A	E	E										
SW-1	5-14-13	0935		15	4	G	G	G	G	G	G										
SW-2	5-14-13	1115		16	4	G	G	G	G	G	G										
SW-3	5-14-13	1535		27	4	G	G	G	G	G	G										
~~SW-4~~	~~5-14-13~~				4	G	G	G	G	G	G		TB								

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE/NAOH
G - NA THIOSULFATE

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
(Y) N

SAMPLES COLLECTED BY: (Please Print)
Bobby Fox / Tom Beasley

SAMPLES RECEIVED IN LAB AT 1-0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bobby Fox	5-14-13 1620	[signature]	5/14/13 1423
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
SW-4 – DRY

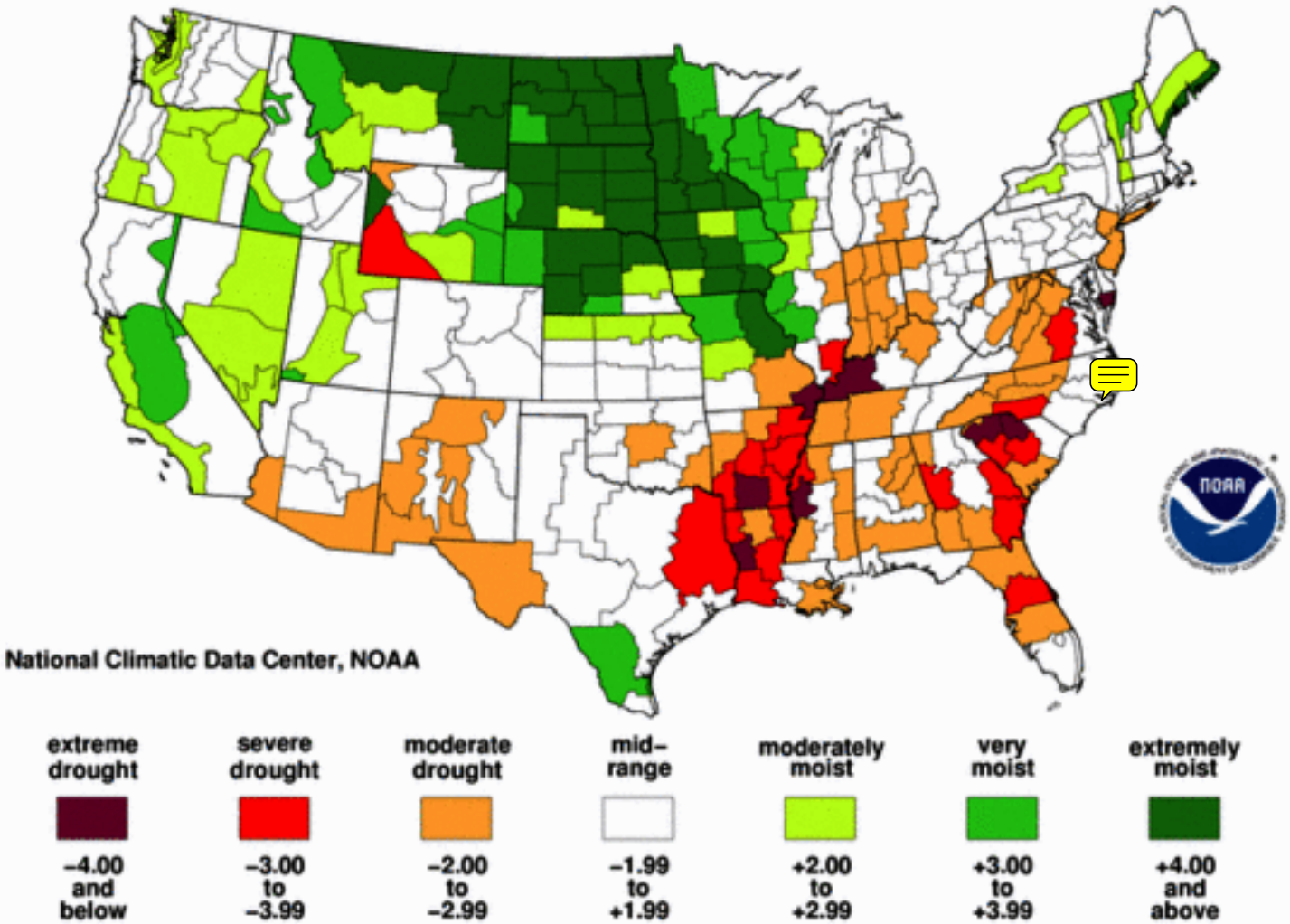
PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

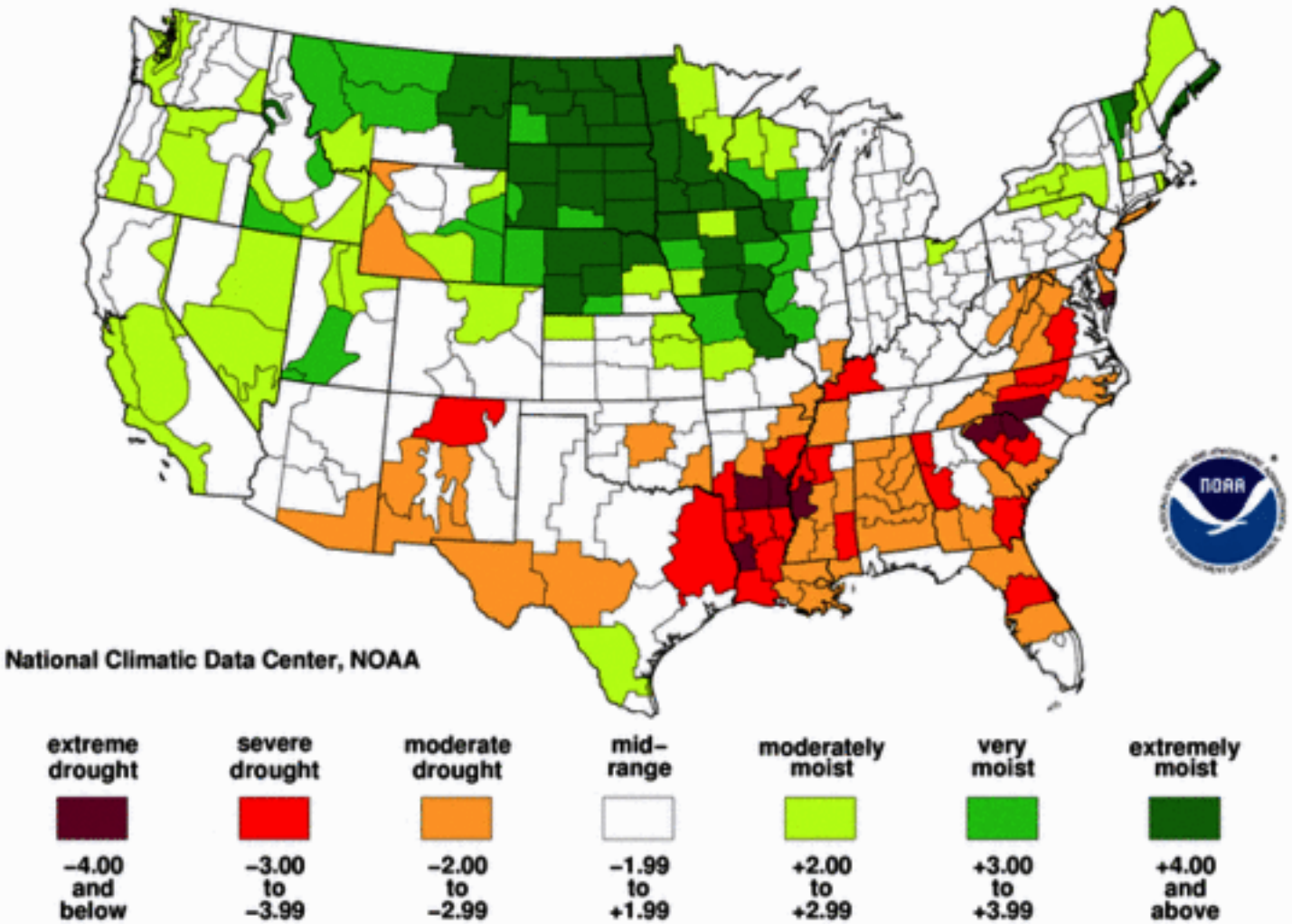
FORM #5

№ 260761

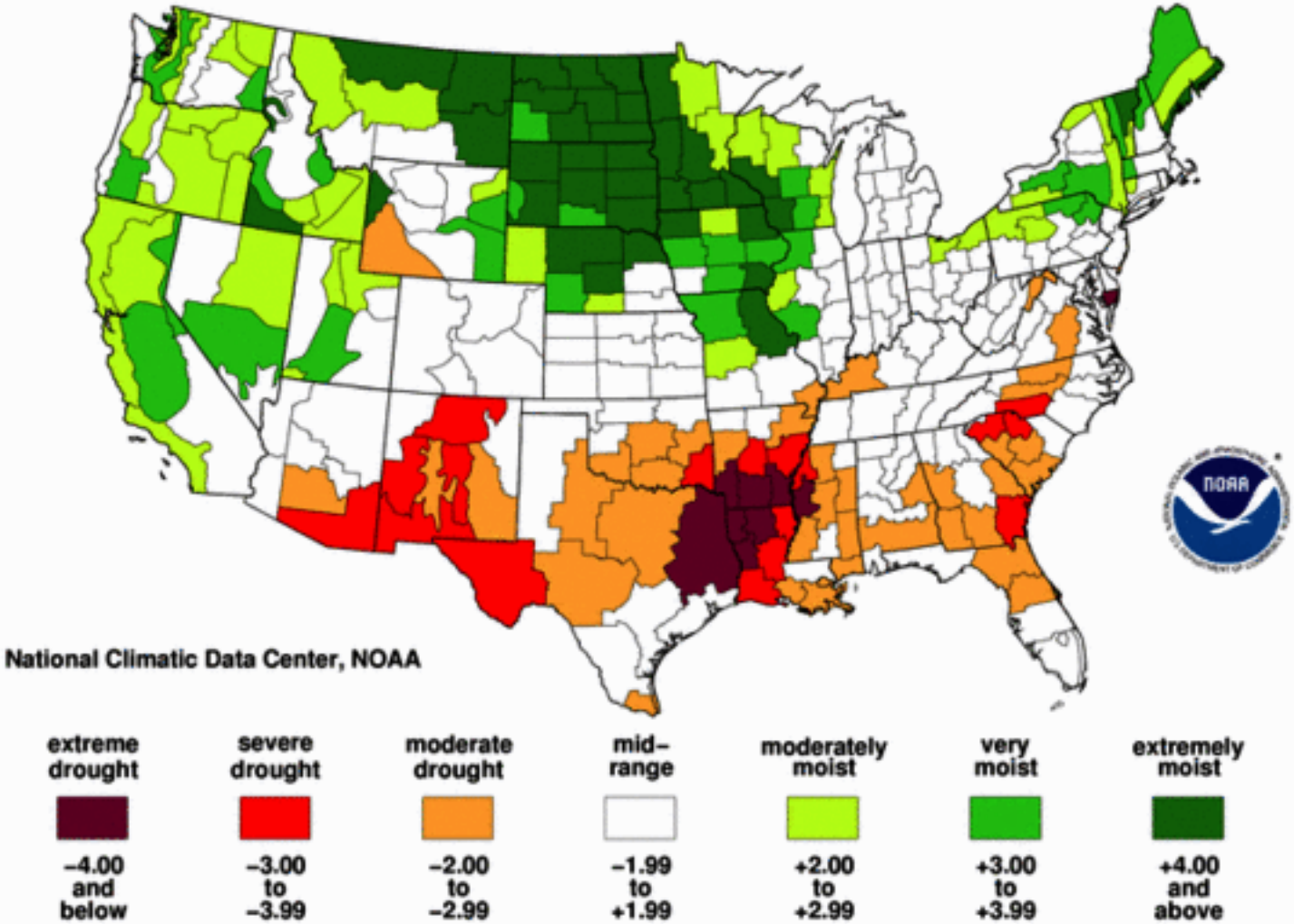
Palmer Hydrological Drought Index
January, 2011



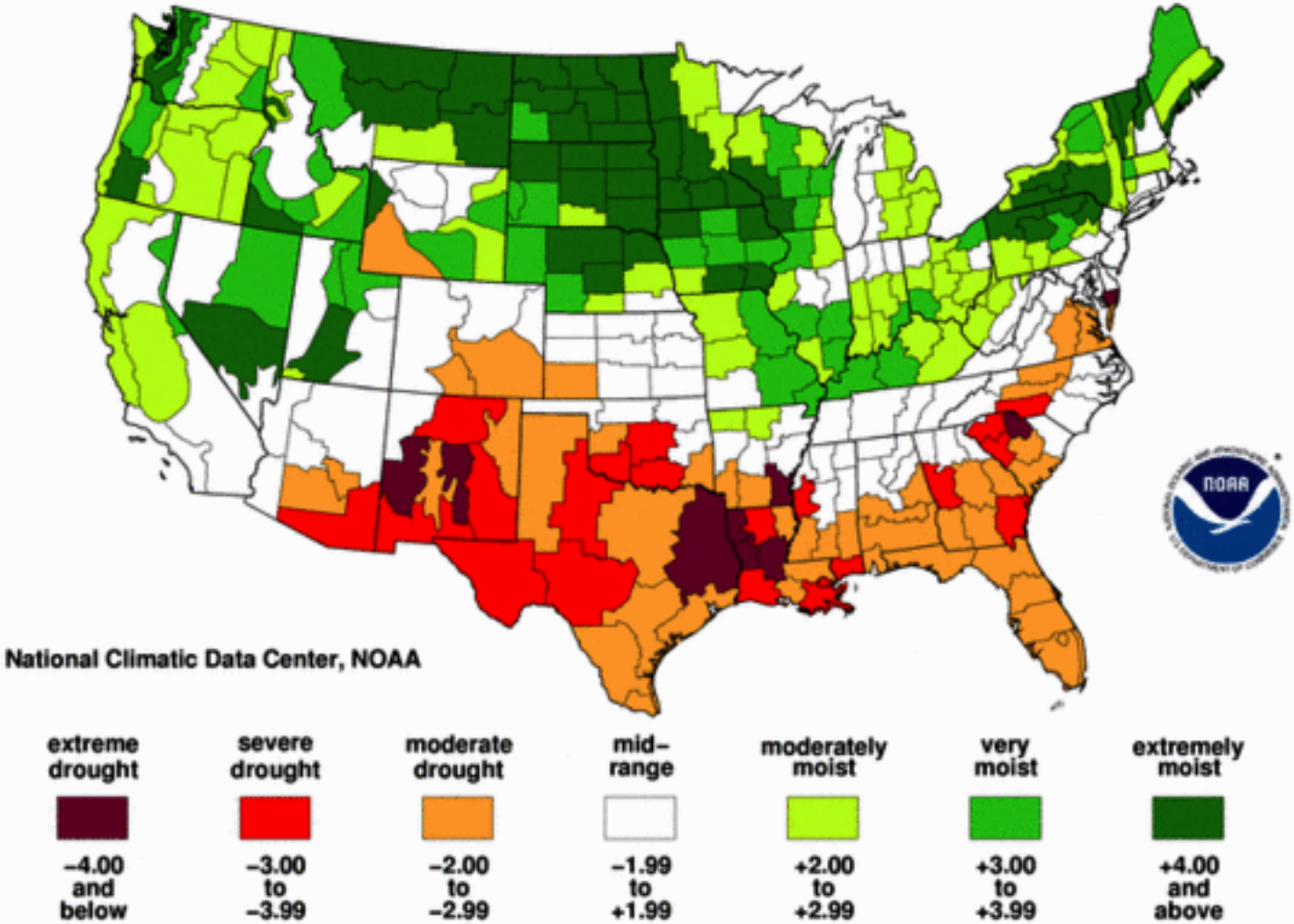
Palmer Hydrological Drought Index
February, 2011



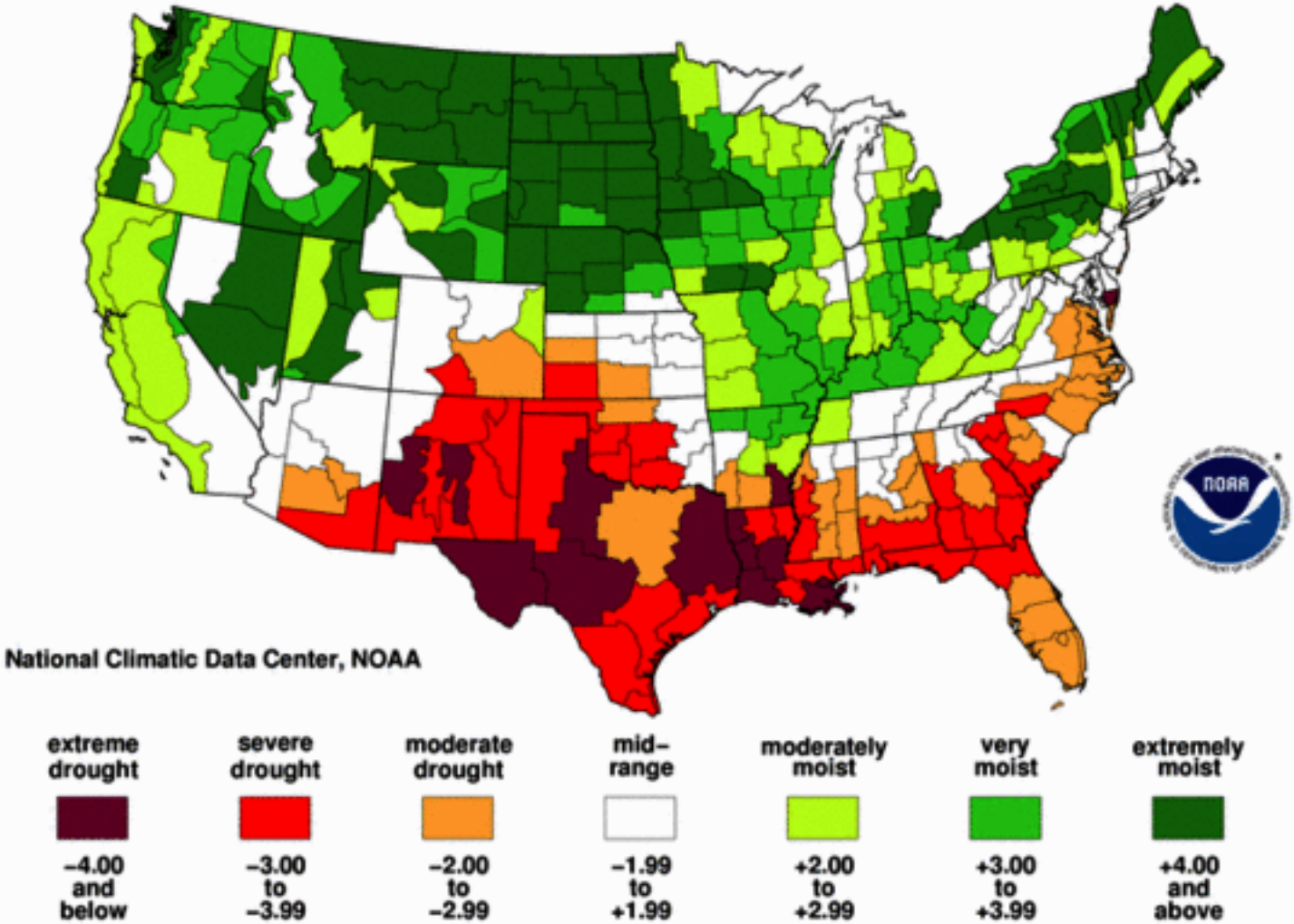
Palmer Hydrological Drought Index
March, 2011



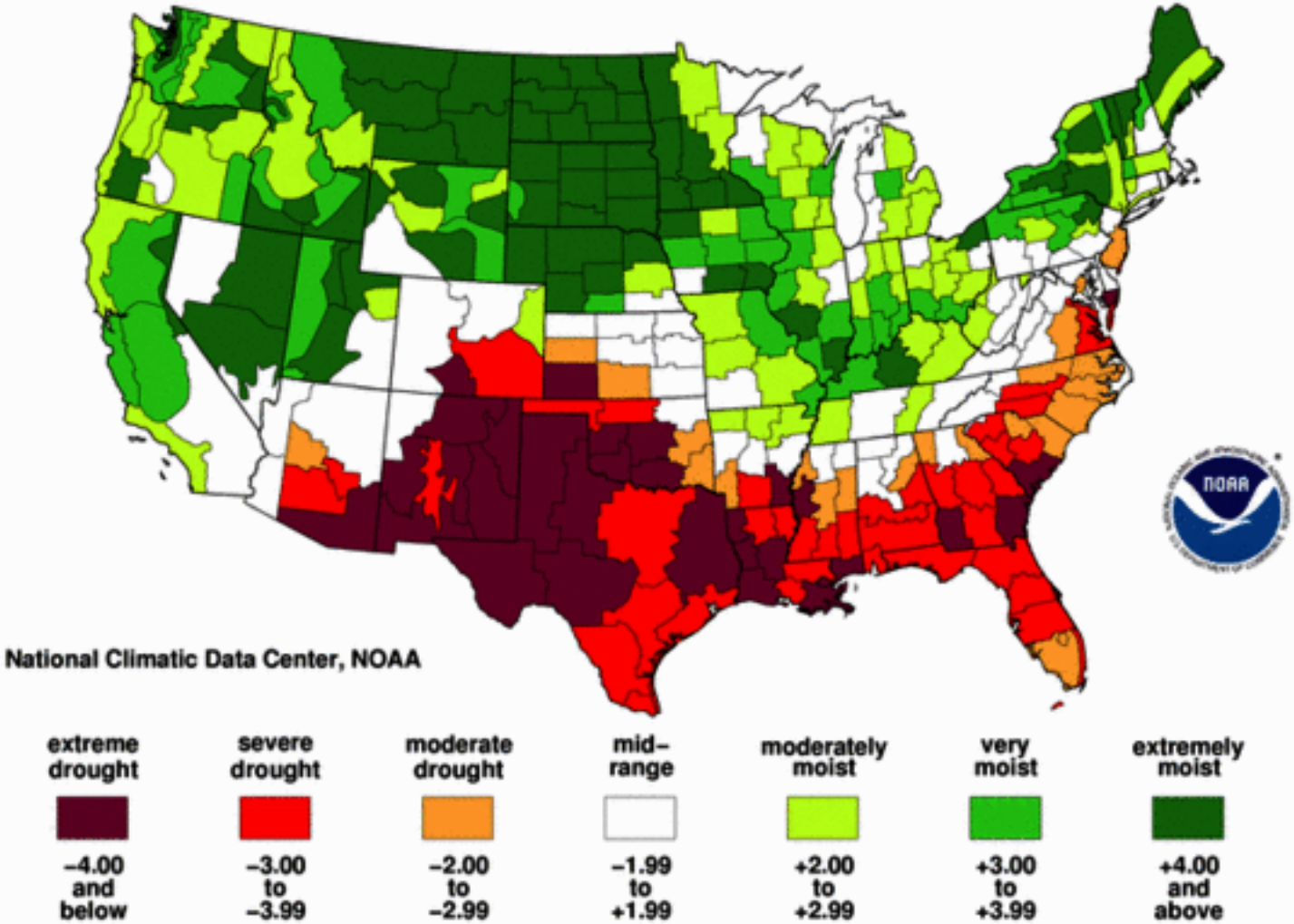
Palmer Hydrological Drought Index
April, 2011



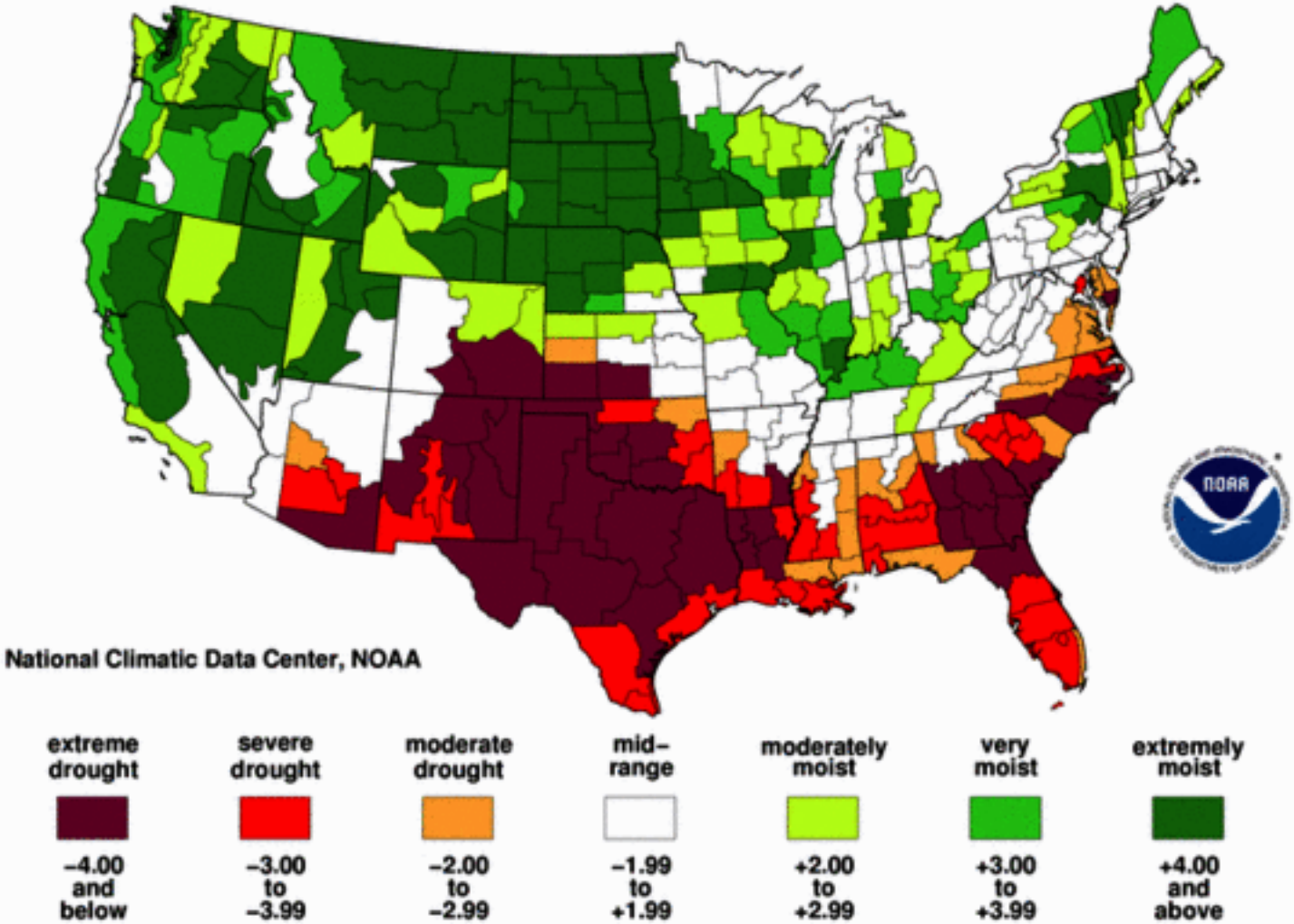
Palmer Hydrological Drought Index
May, 2011



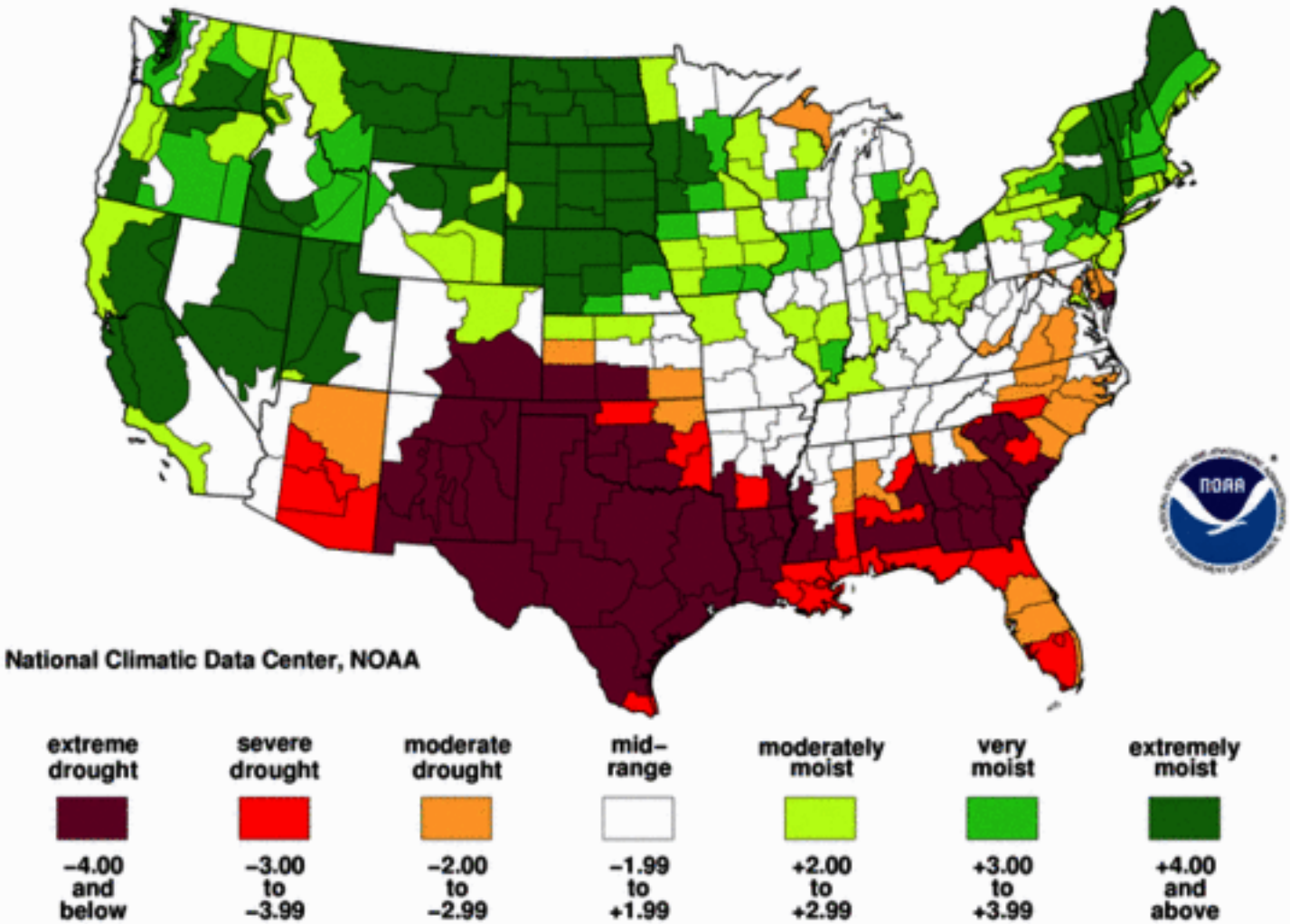
Palmer Hydrological Drought Index
June, 2011



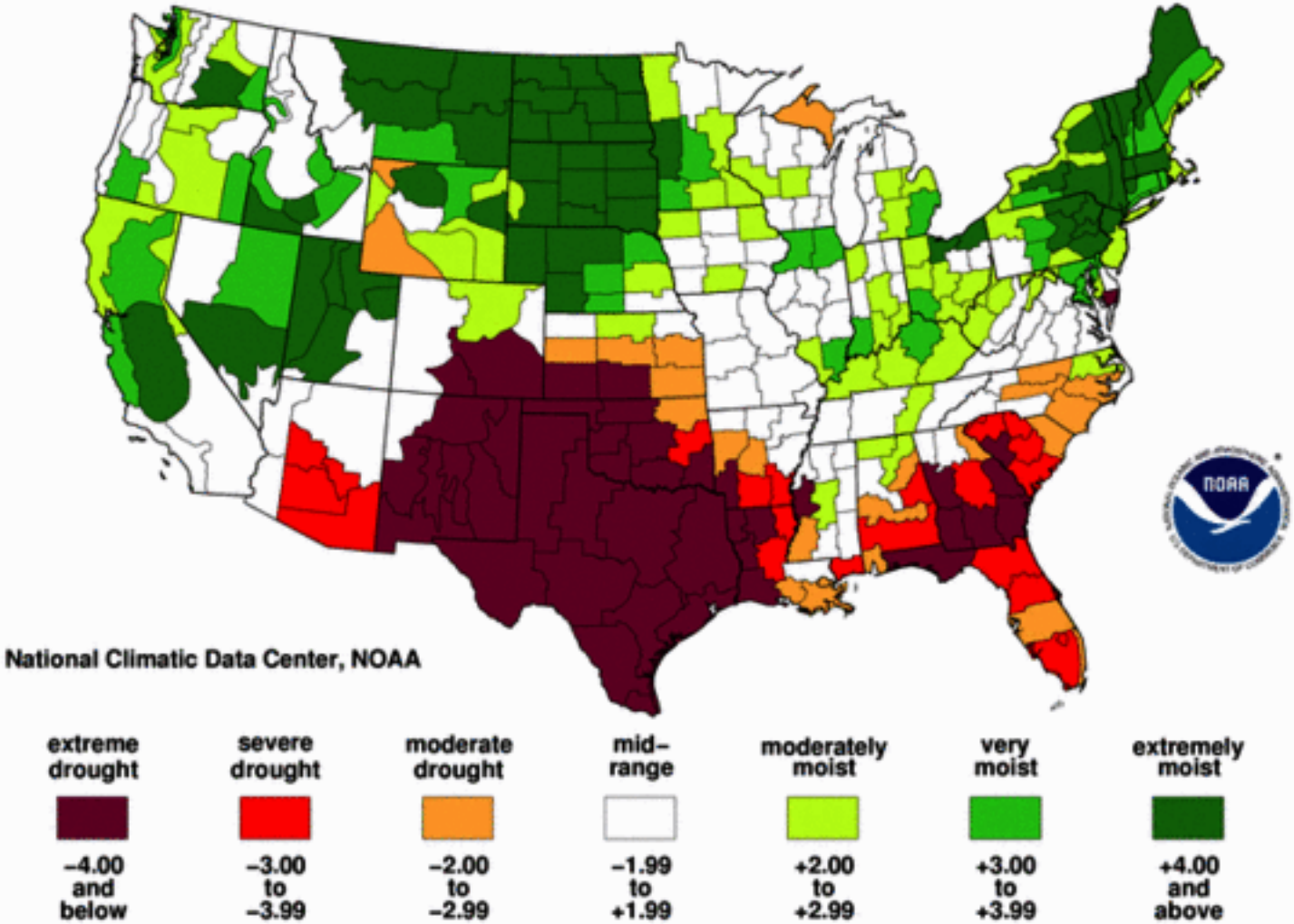
Palmer Hydrological Drought Index
July, 2011



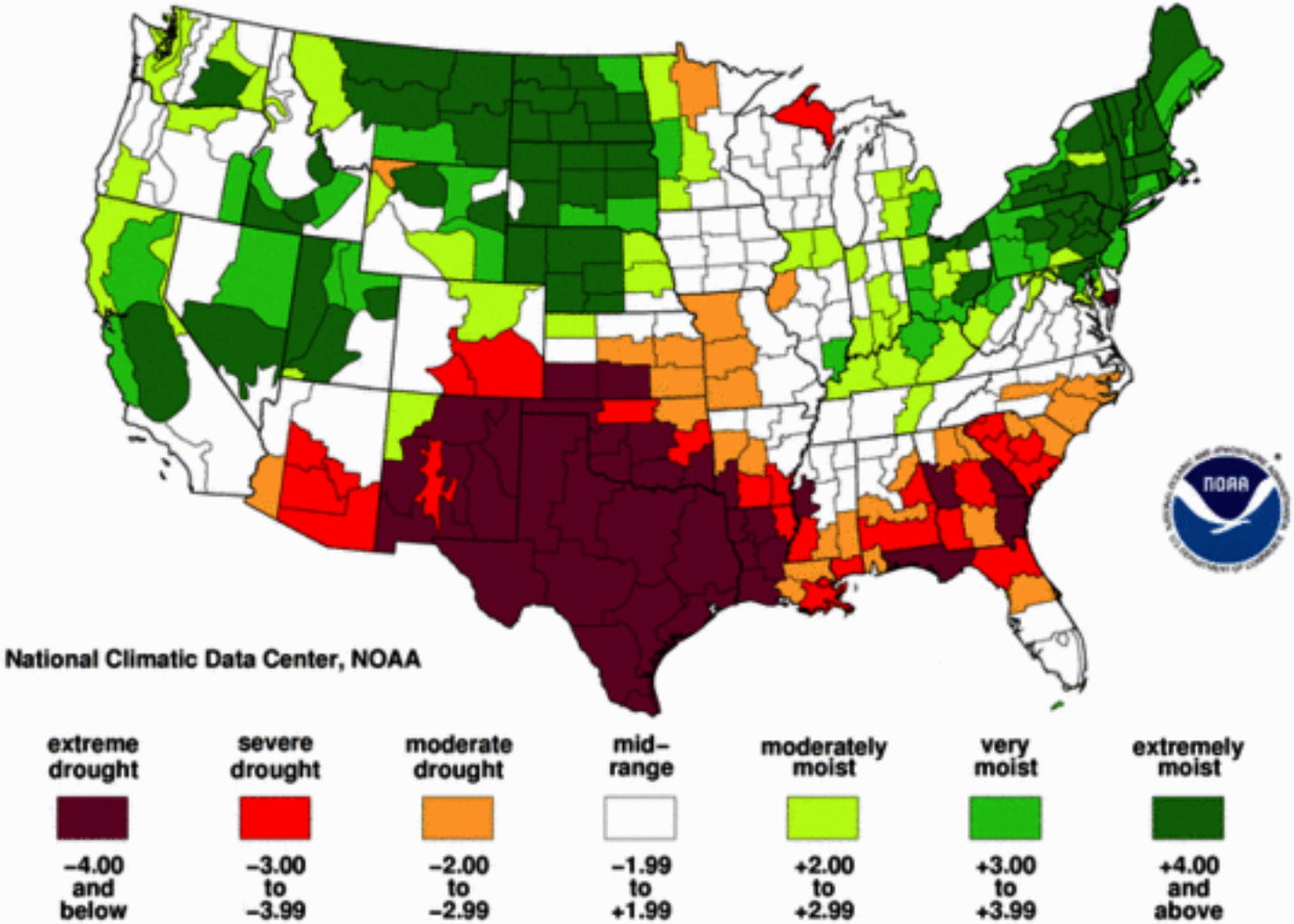
Palmer Hydrological Drought Index
August, 2011



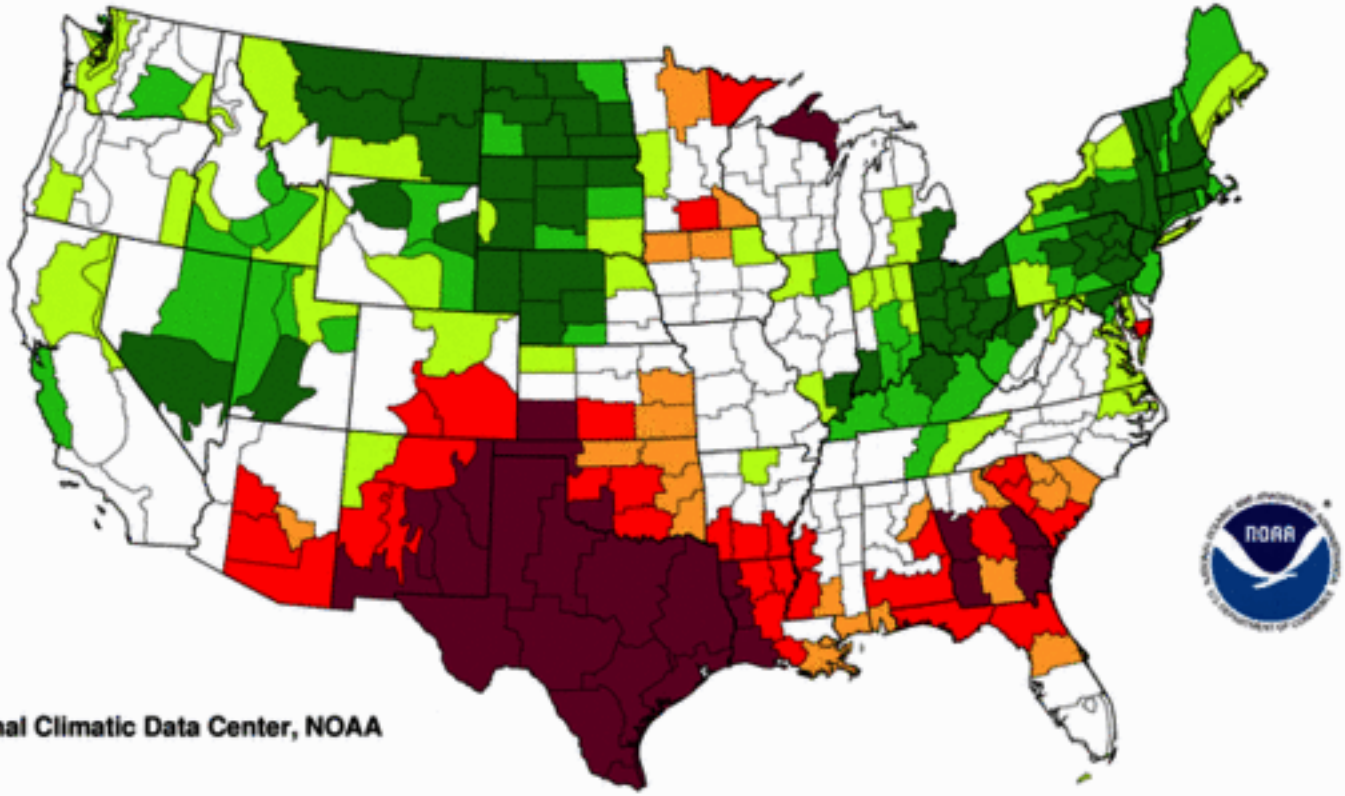
Palmer Hydrological Drought Index
September, 2011



Palmer Hydrological Drought Index
October, 2011



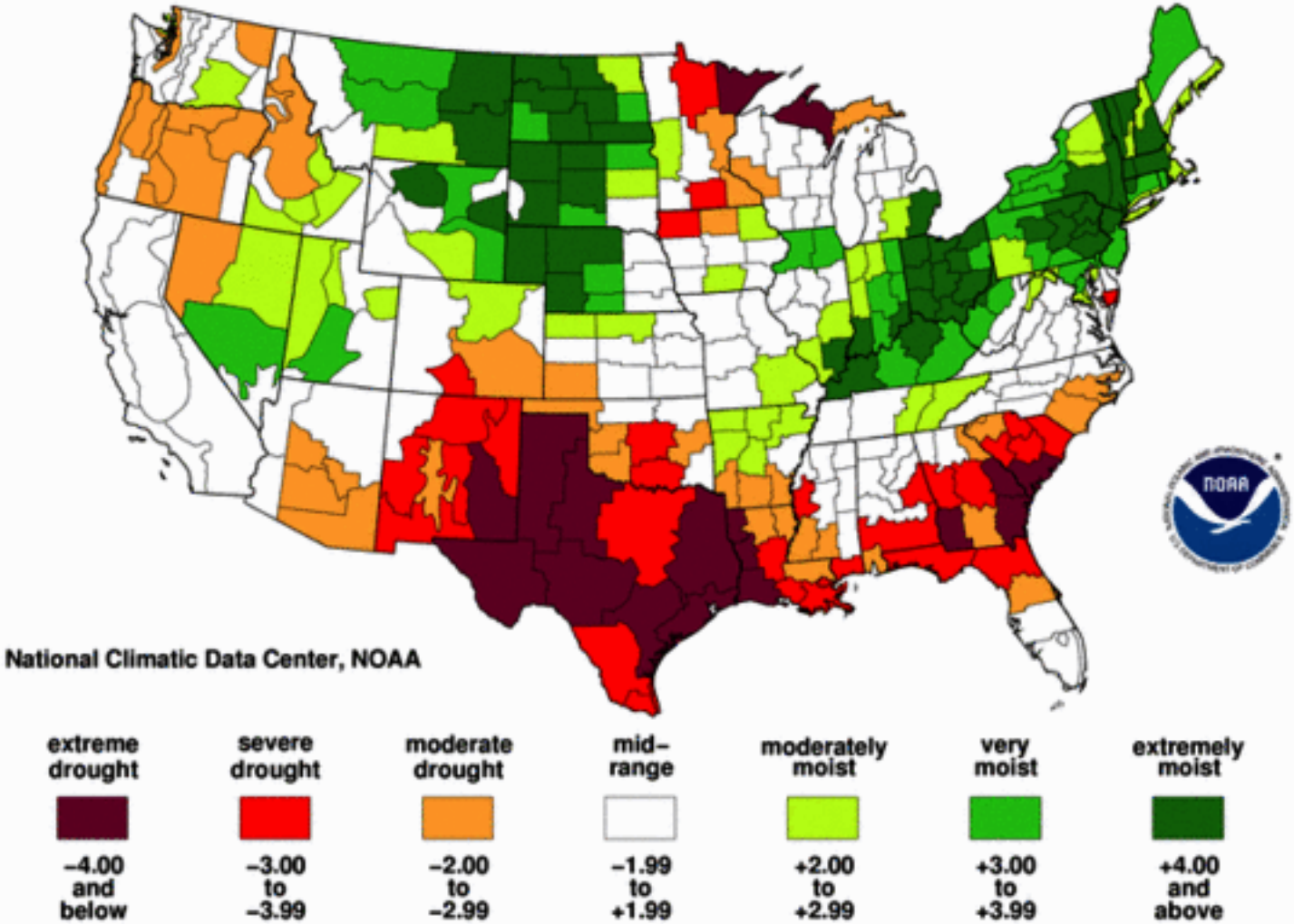
Palmer Hydrological Drought Index
November, 2011



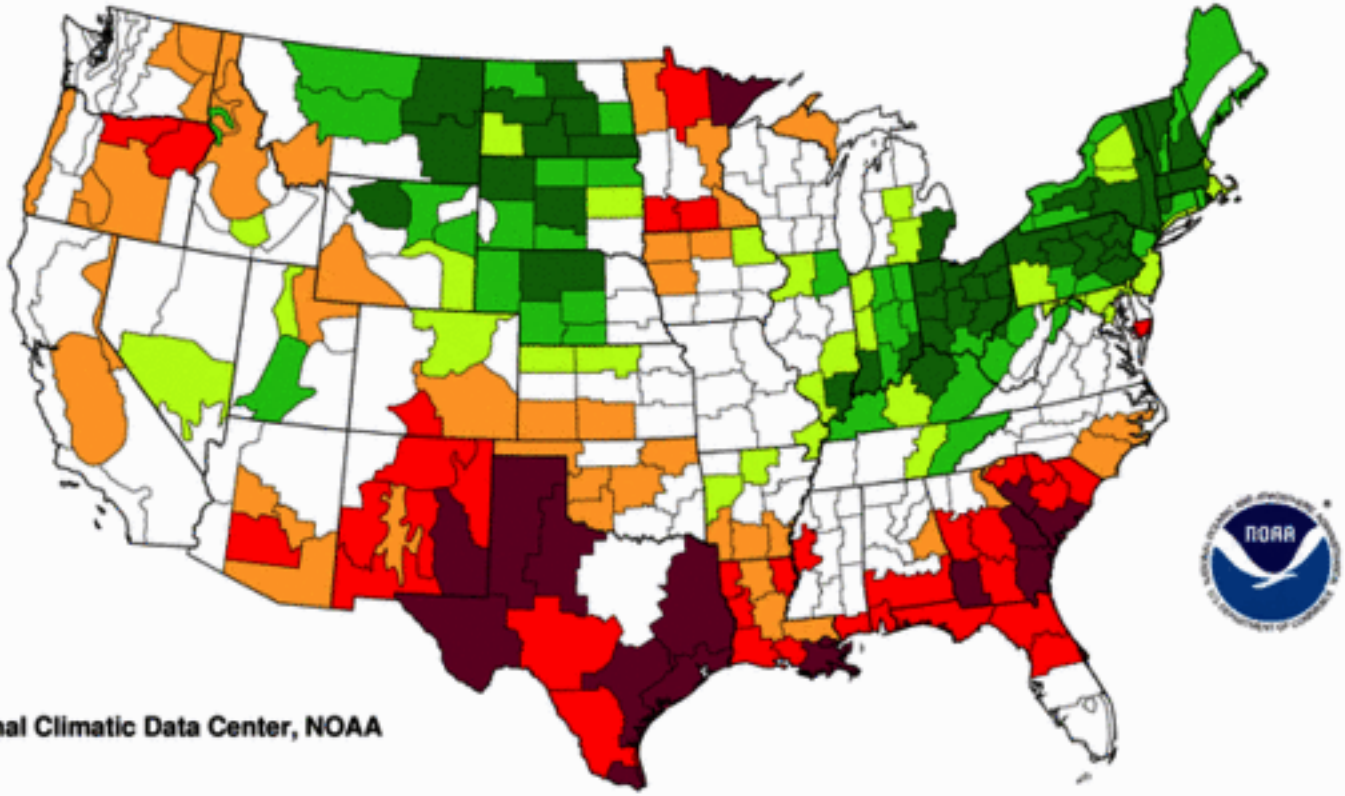
National Climatic Data Center, NOAA

extreme drought	severe drought	moderate drought	mid-range	moderately moist	very moist	extremely moist
−4.00 and below	−3.00 to −3.99	−2.00 to −2.99	−1.99 to +1.99	+2.00 to +2.99	+3.00 to +3.99	+4.00 and above

Palmer Hydrological Drought Index
December, 2011



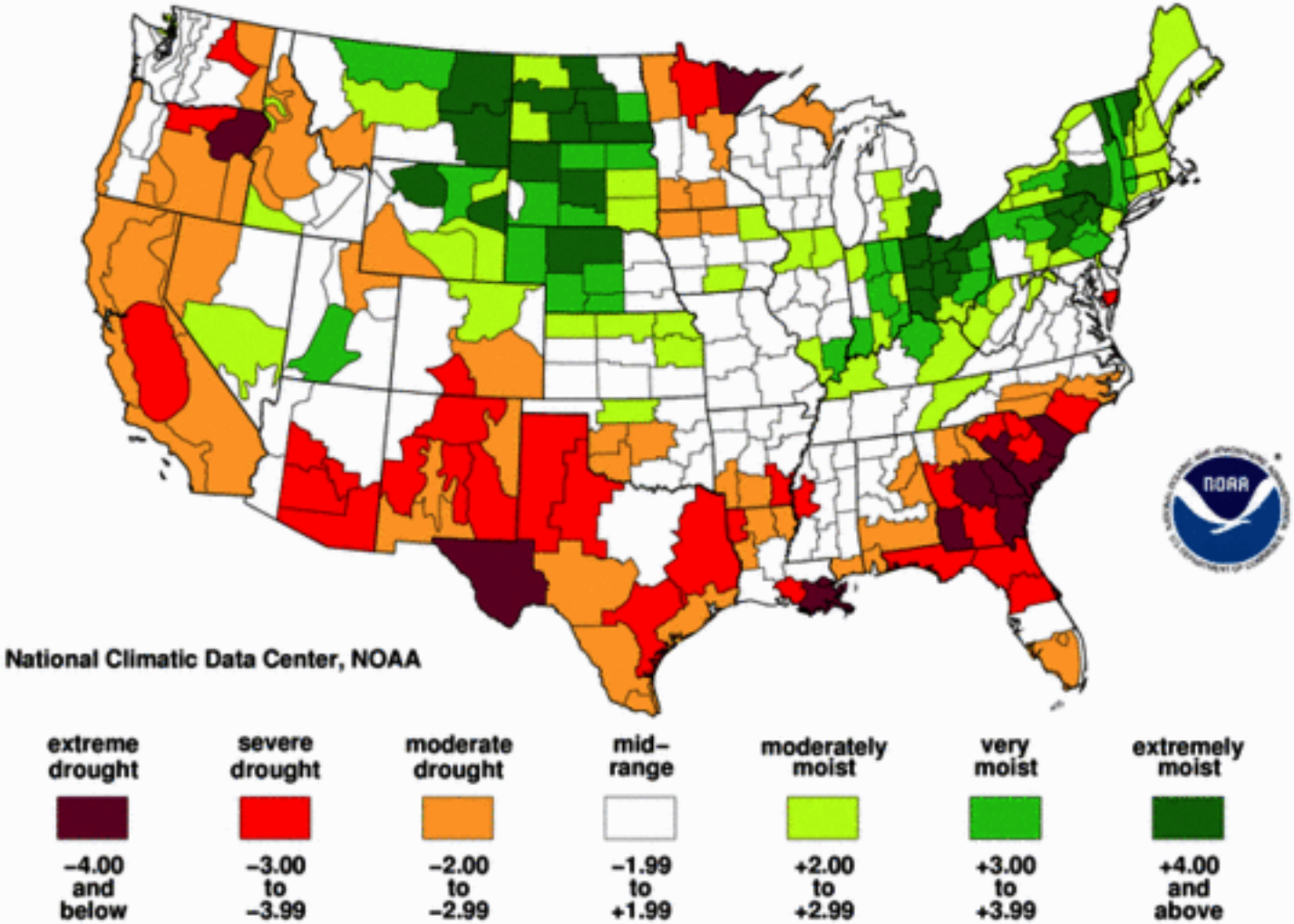
Palmer Hydrological Drought Index
January, 2012



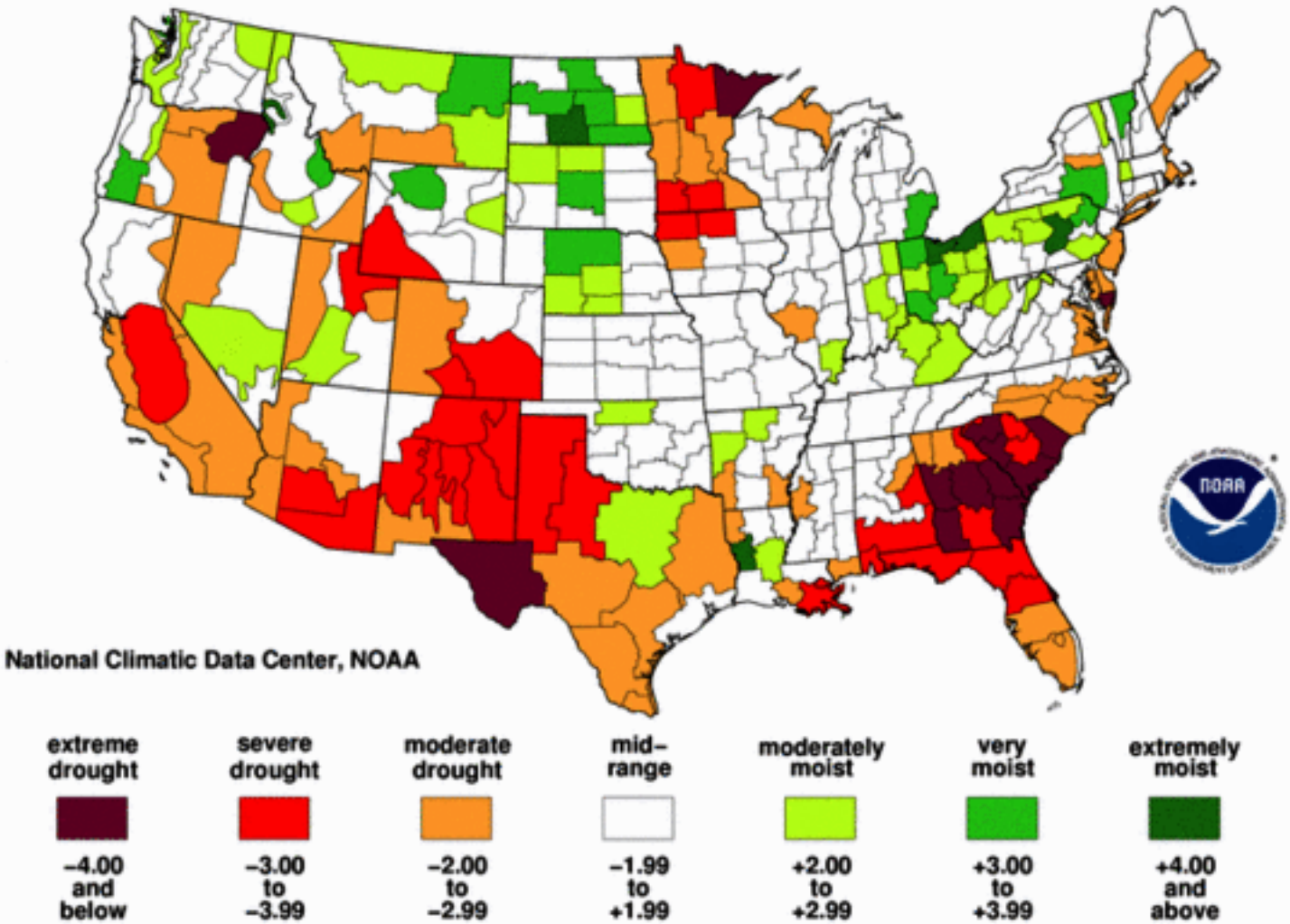
National Climatic Data Center, NOAA

extreme drought	severe drought	moderate drought	mid-range	moderately moist	very moist	extremely moist
−4.00 and below	−3.00 to −3.99	−2.00 to −2.99	−1.99 to +1.99	+2.00 to +2.99	+3.00 to +3.99	+4.00 and above

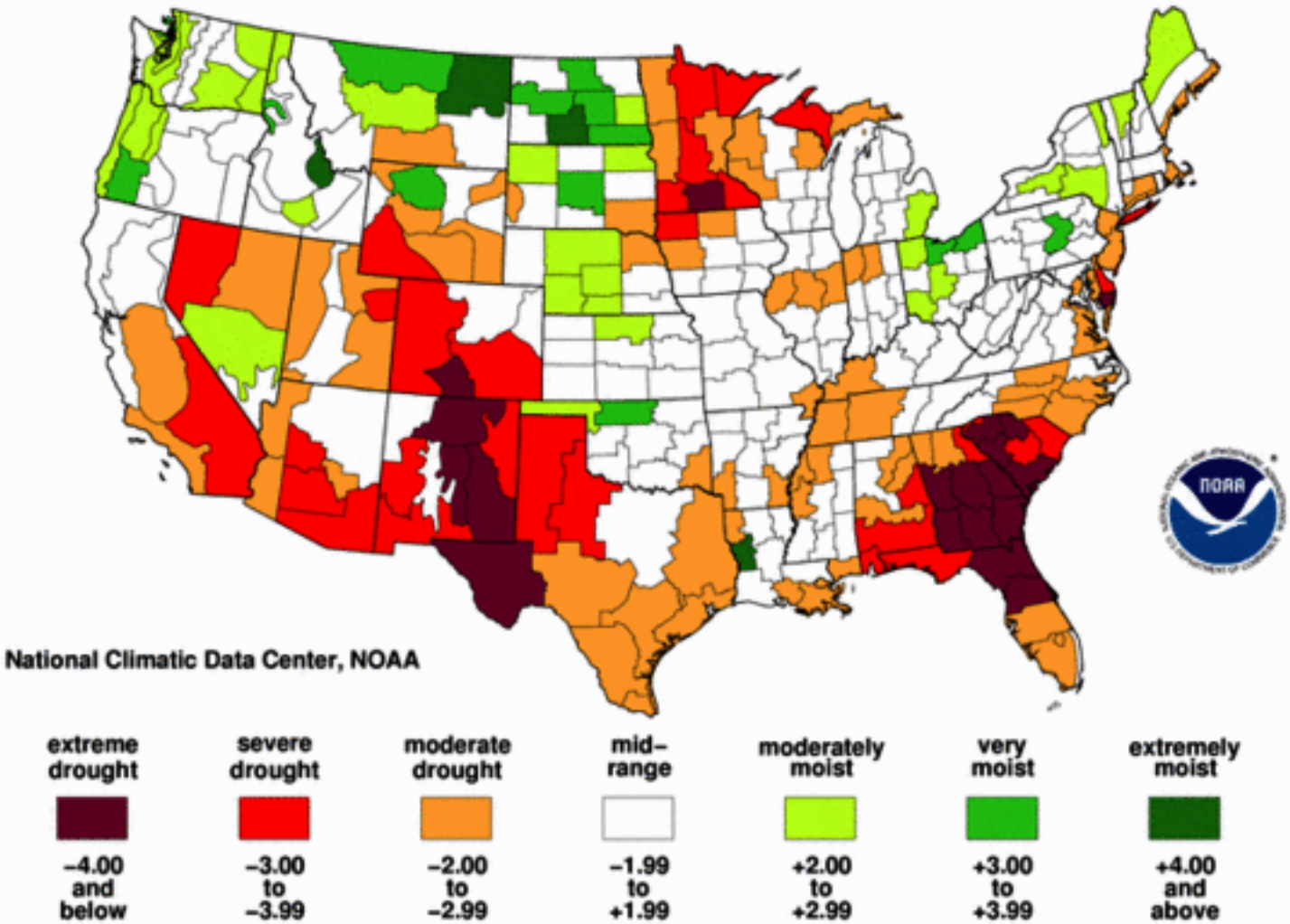
Palmer Hydrological Drought Index
February, 2012



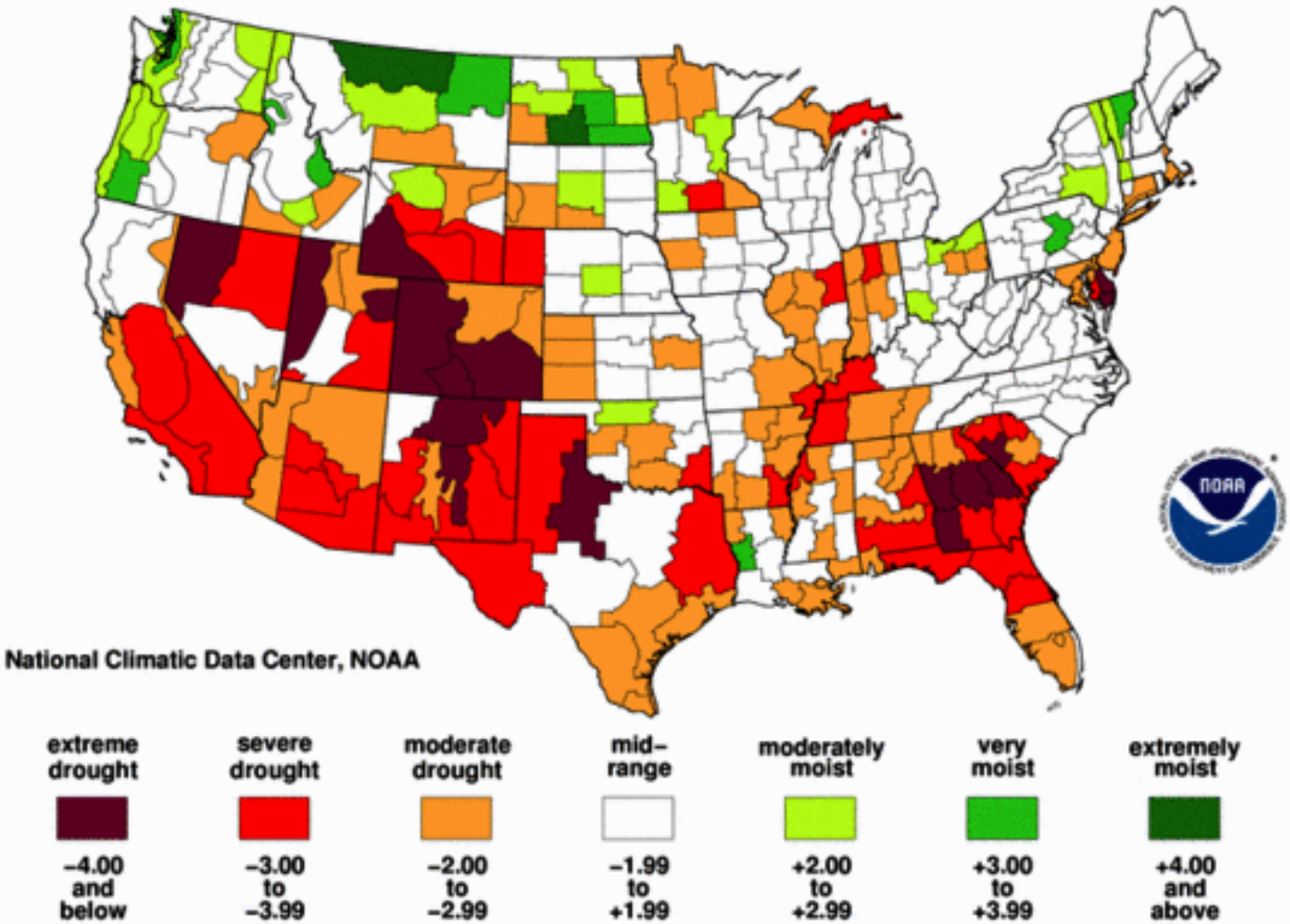
Palmer Hydrological Drought Index
March, 2012



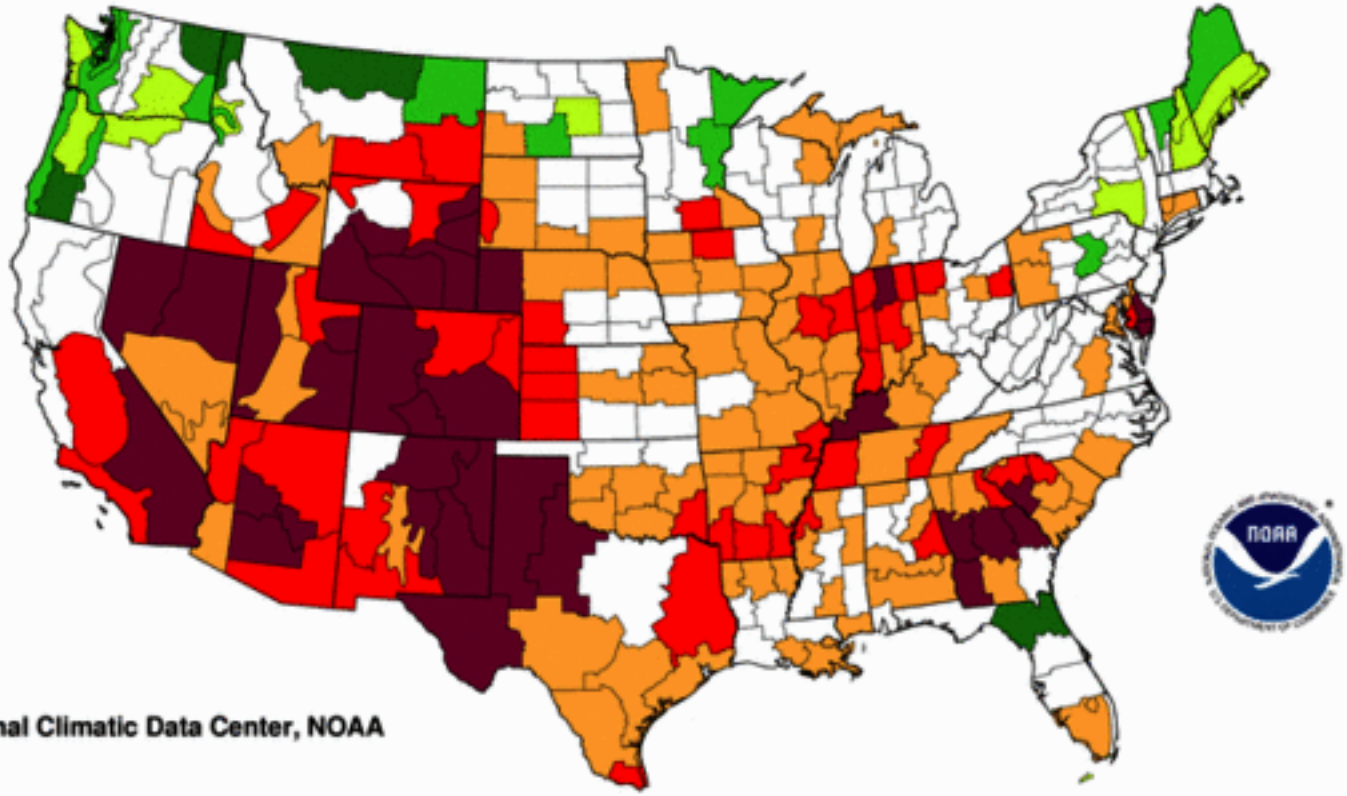
Palmer Hydrological Drought Index
April, 2012



Palmer Hydrological Drought Index
May, 2012



Palmer Hydrological Drought Index
June, 2012



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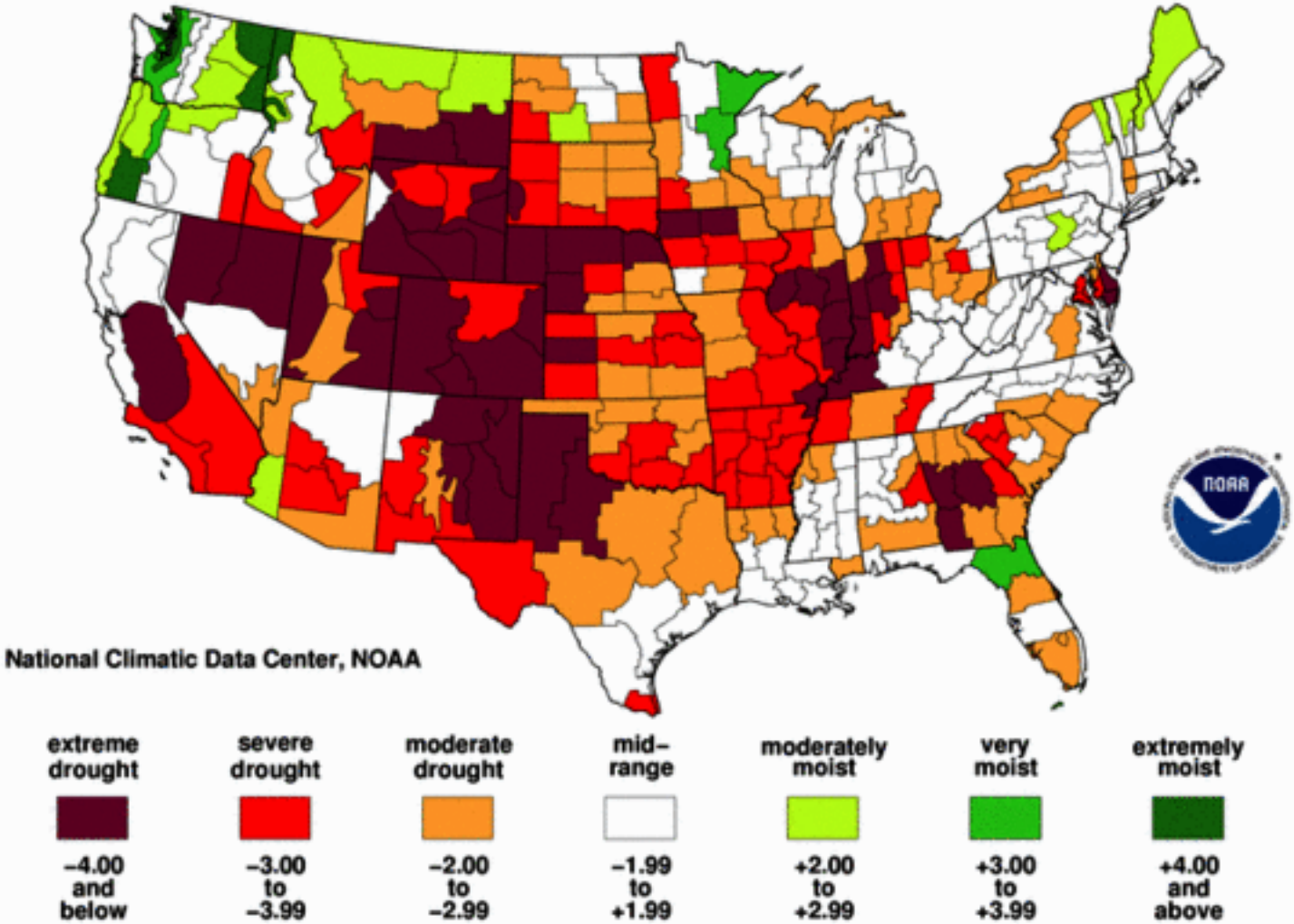
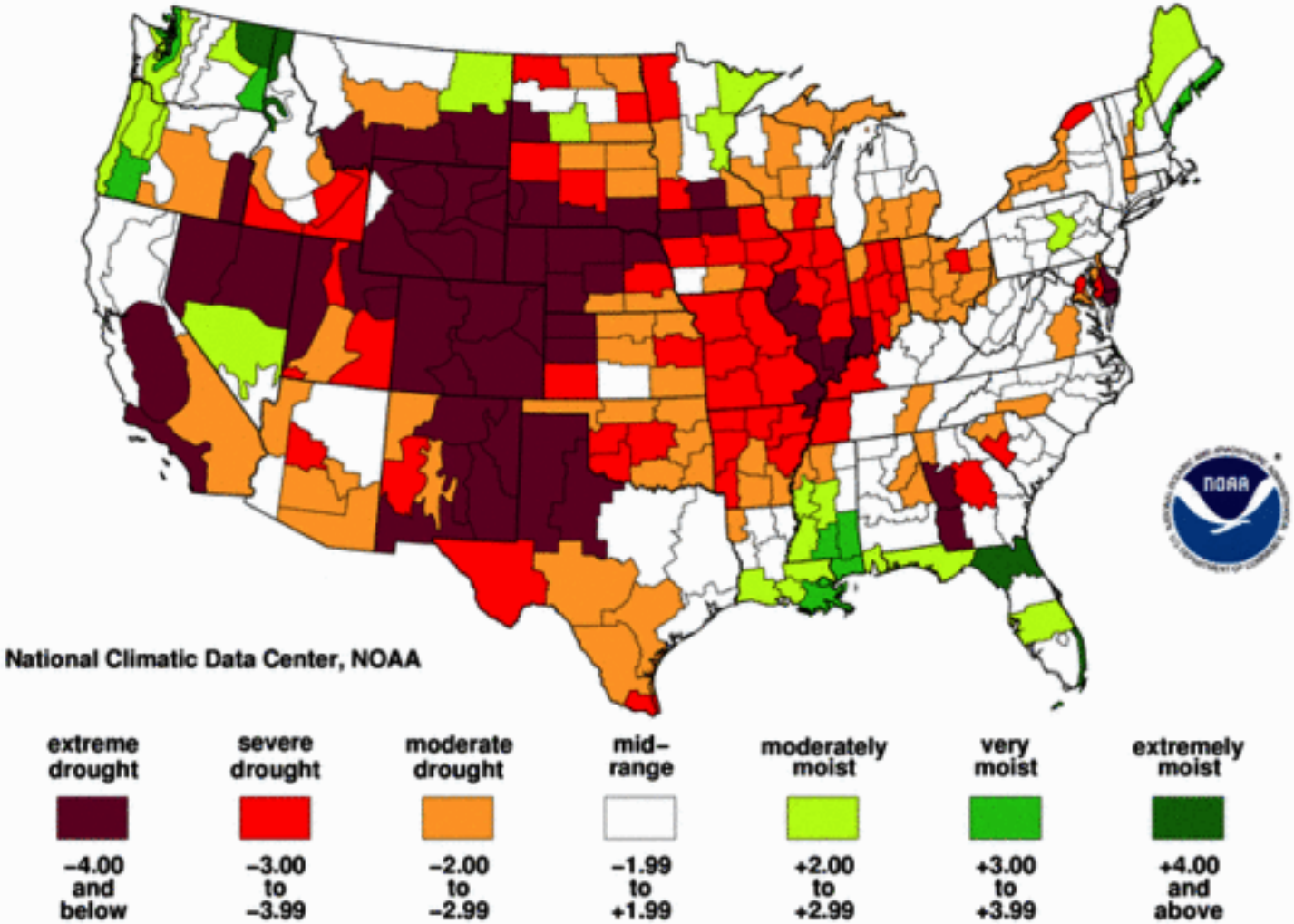
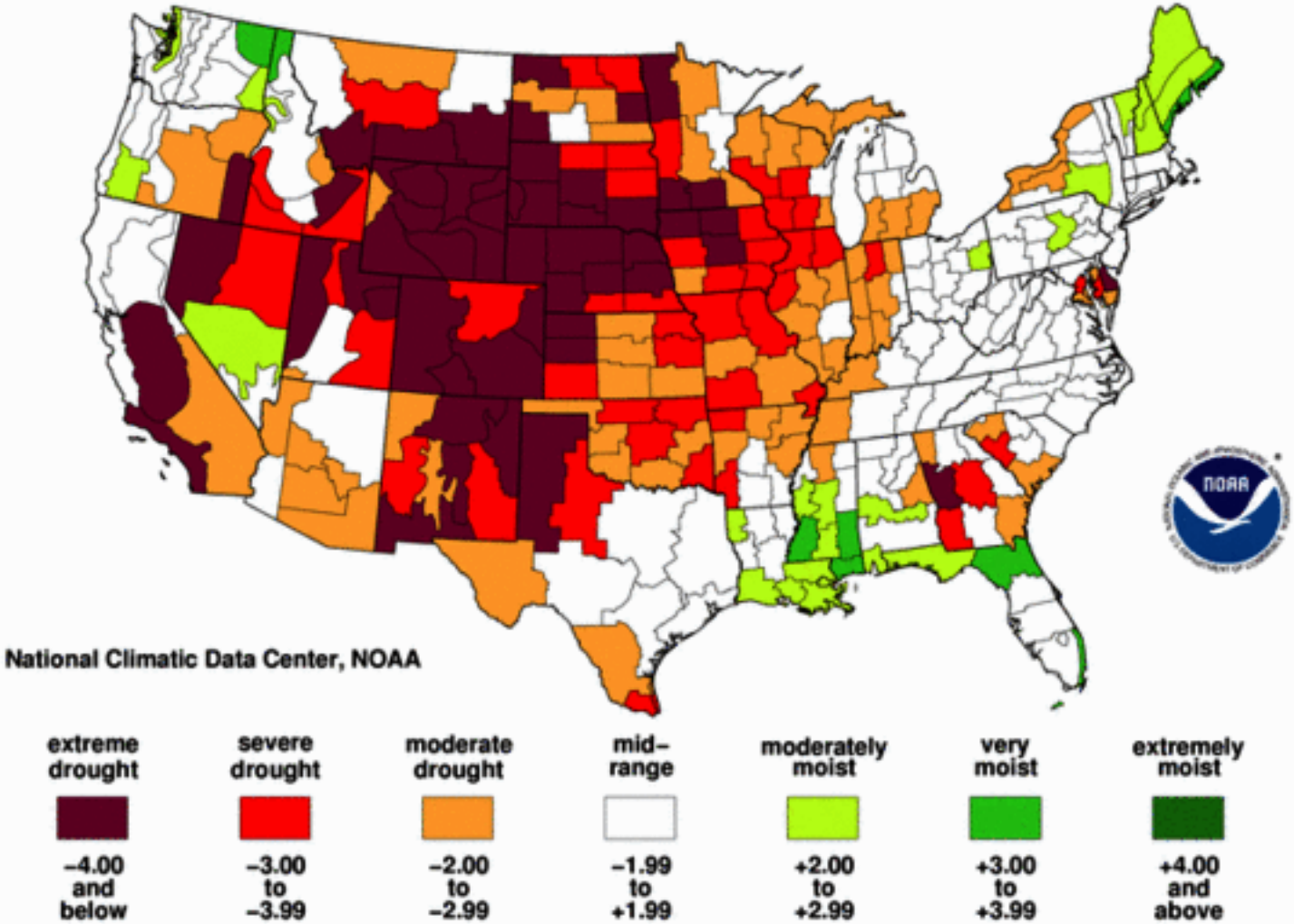
Palmer Hydrological Drought Index
July, 2012



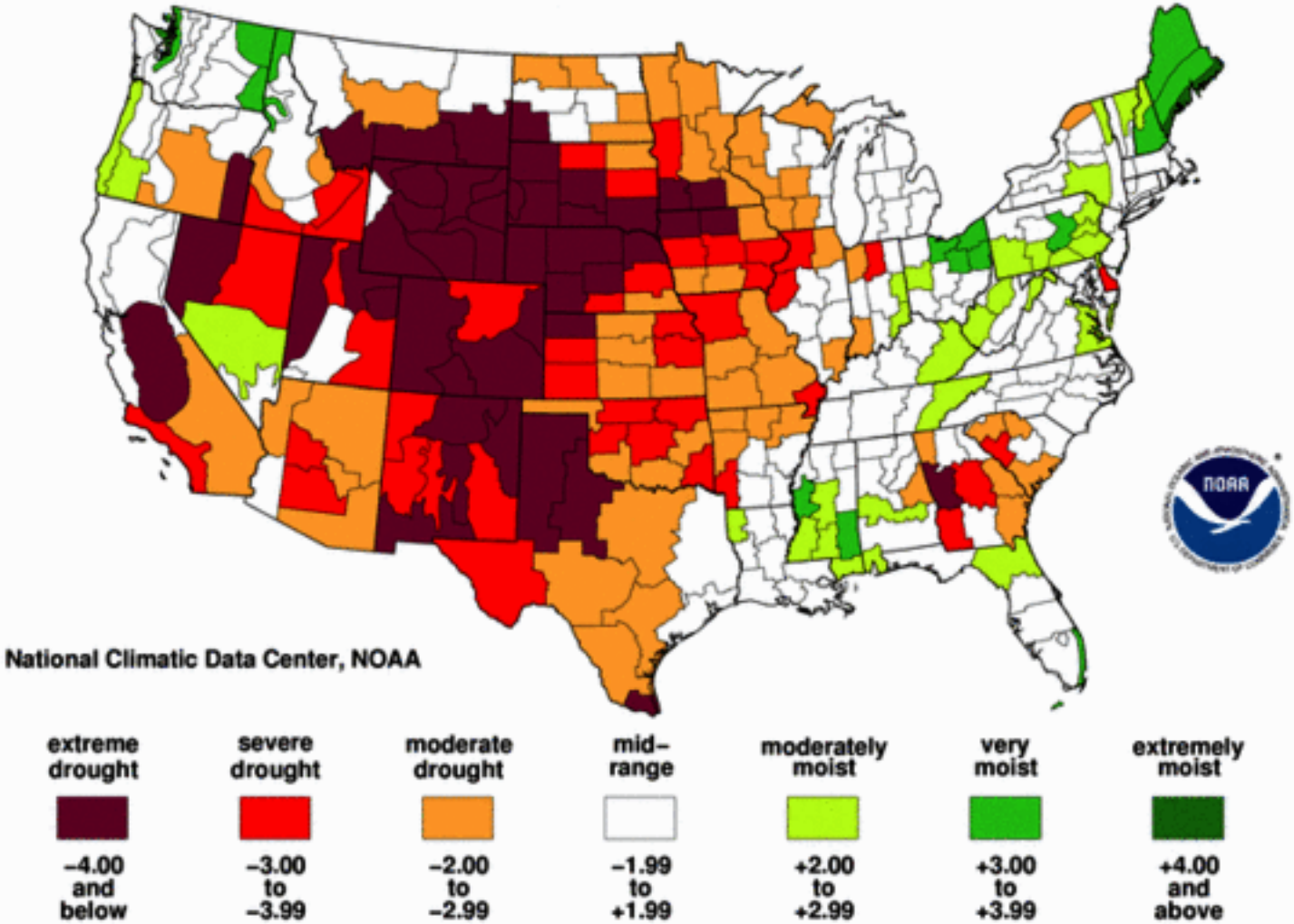
Palmer Hydrological Drought Index
August, 2012



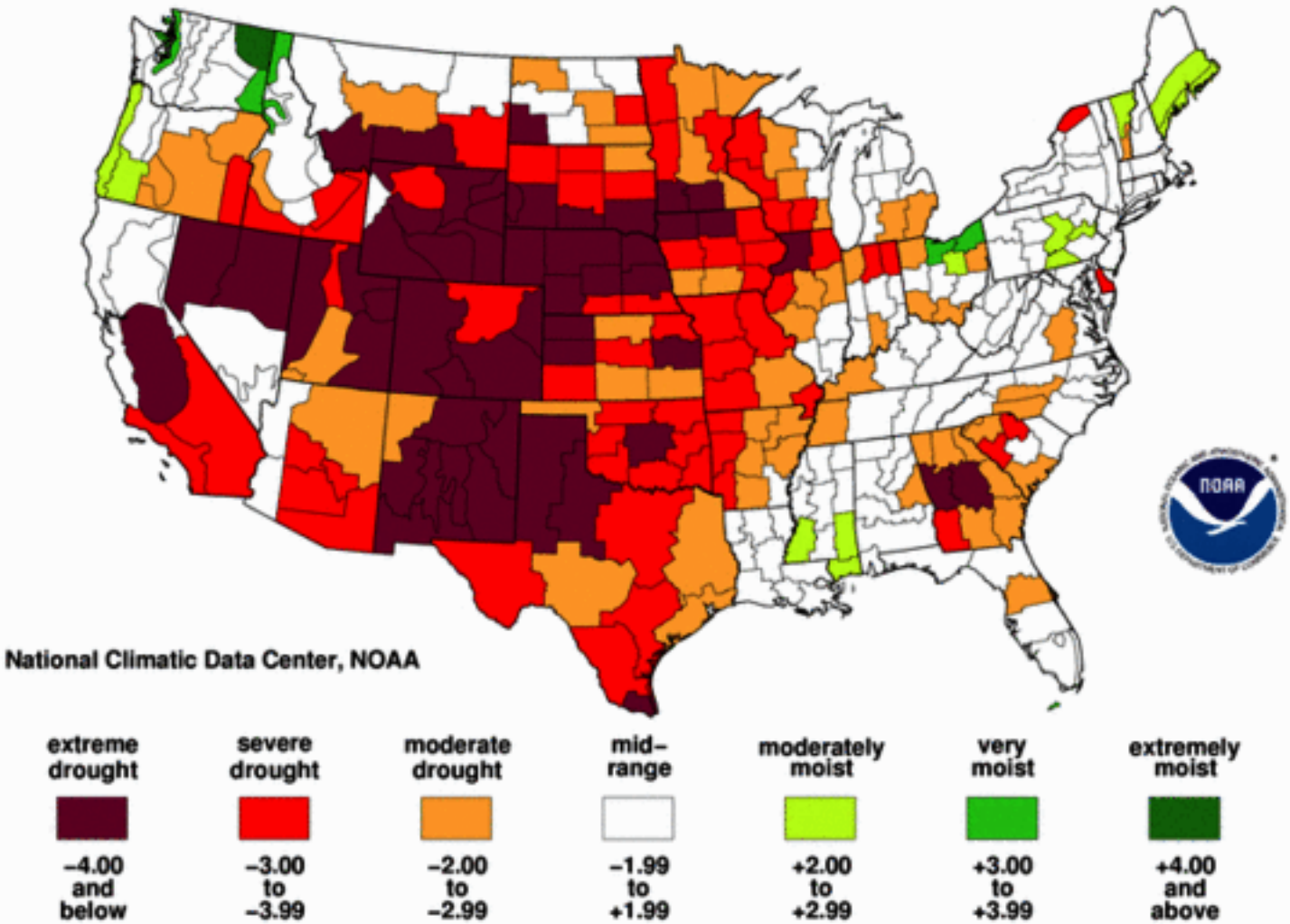
Palmer Hydrological Drought Index
September, 2012



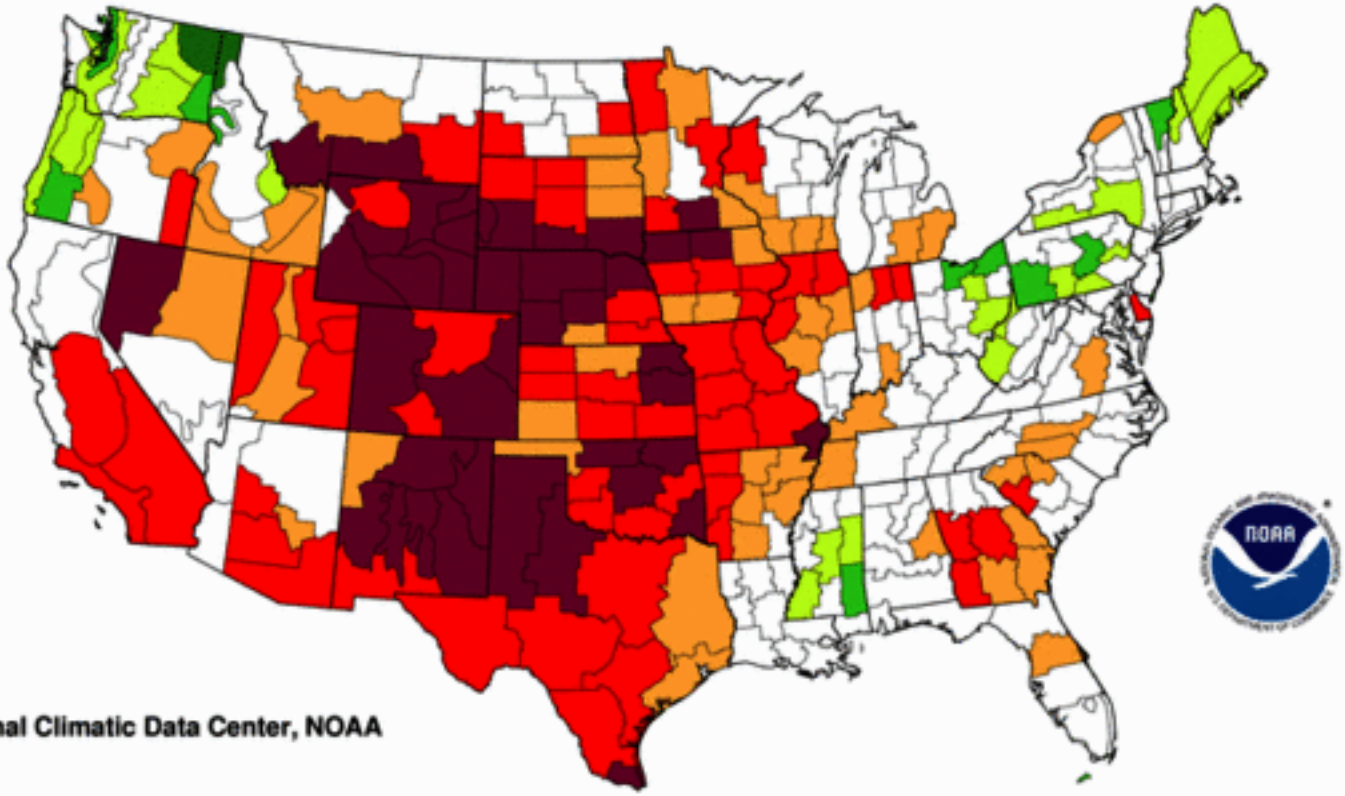
Palmer Hydrological Drought Index
October, 2012



Palmer Hydrological Drought Index
November, 2012



Palmer Hydrological Drought Index
December, 2012



National Climatic Data Center, NOAA

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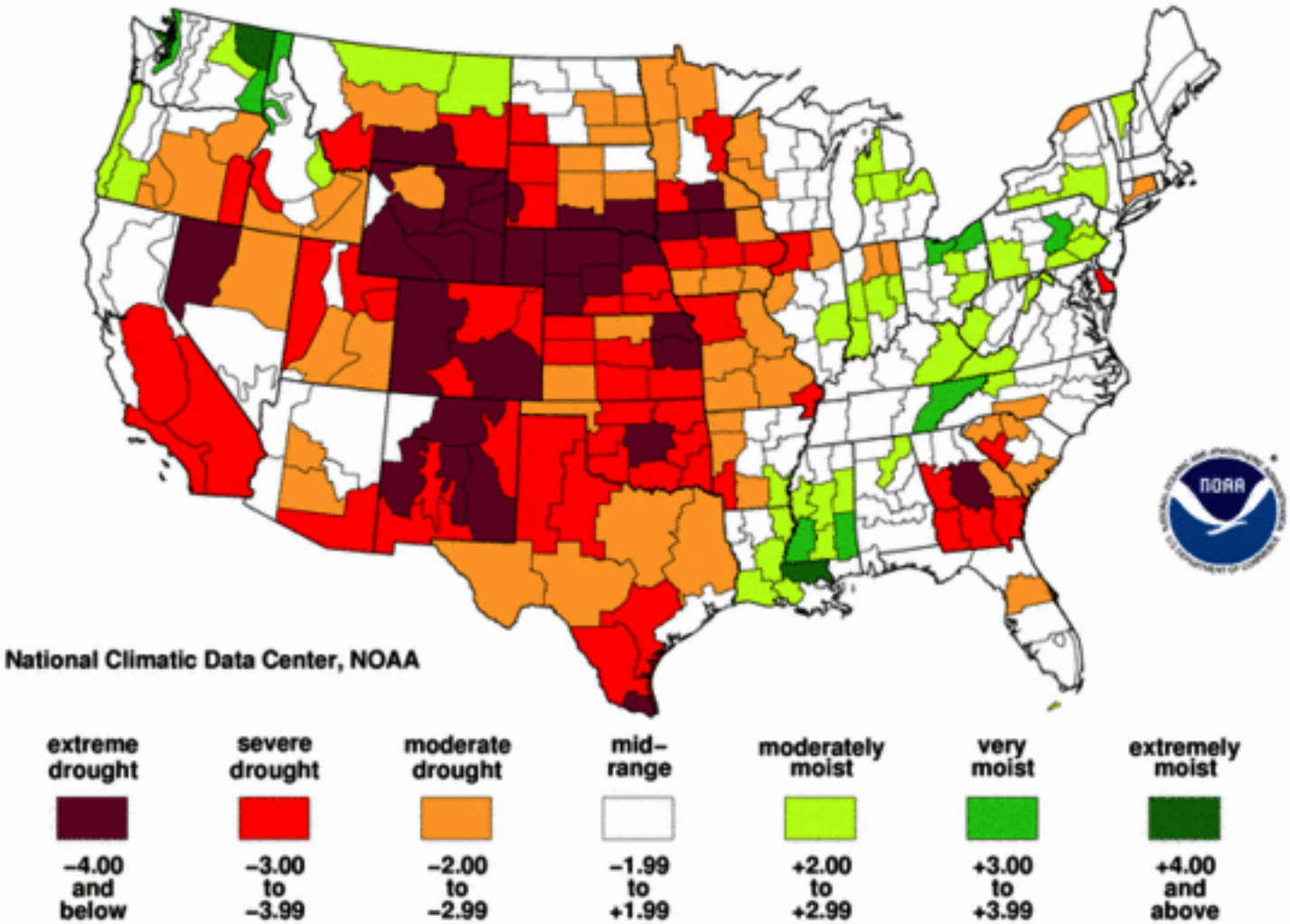
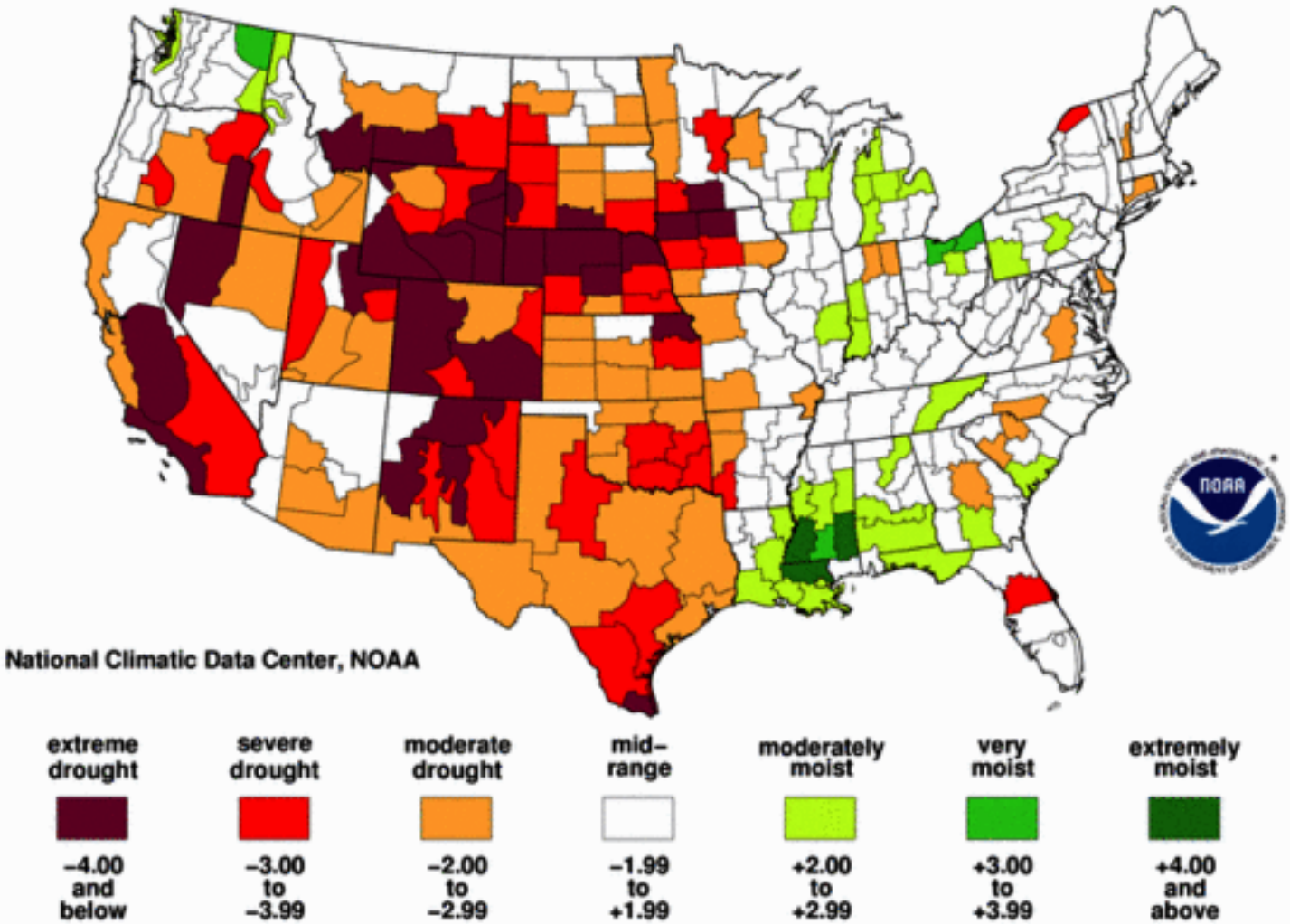
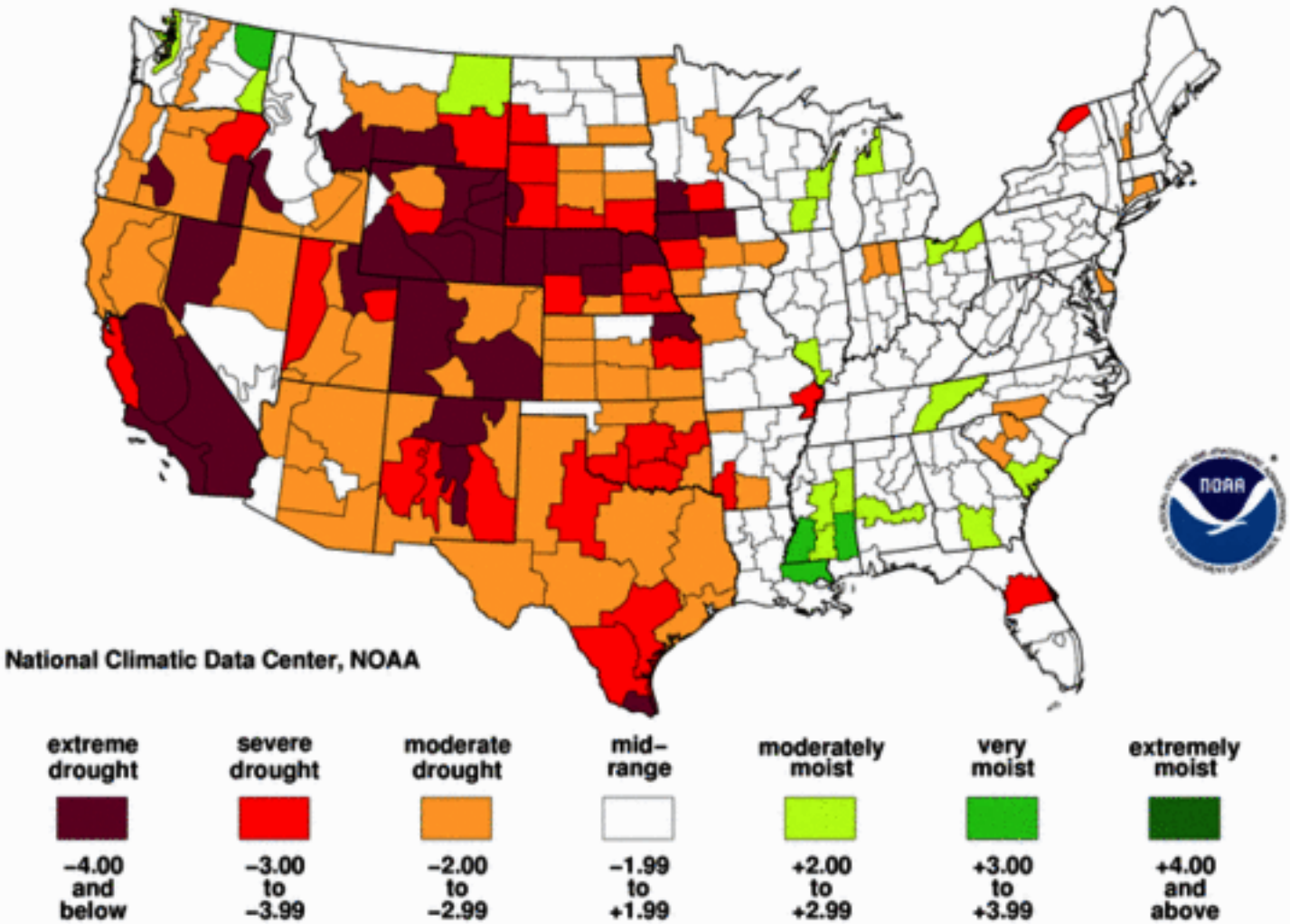
Palmer Hydrological Drought Index
January, 2013



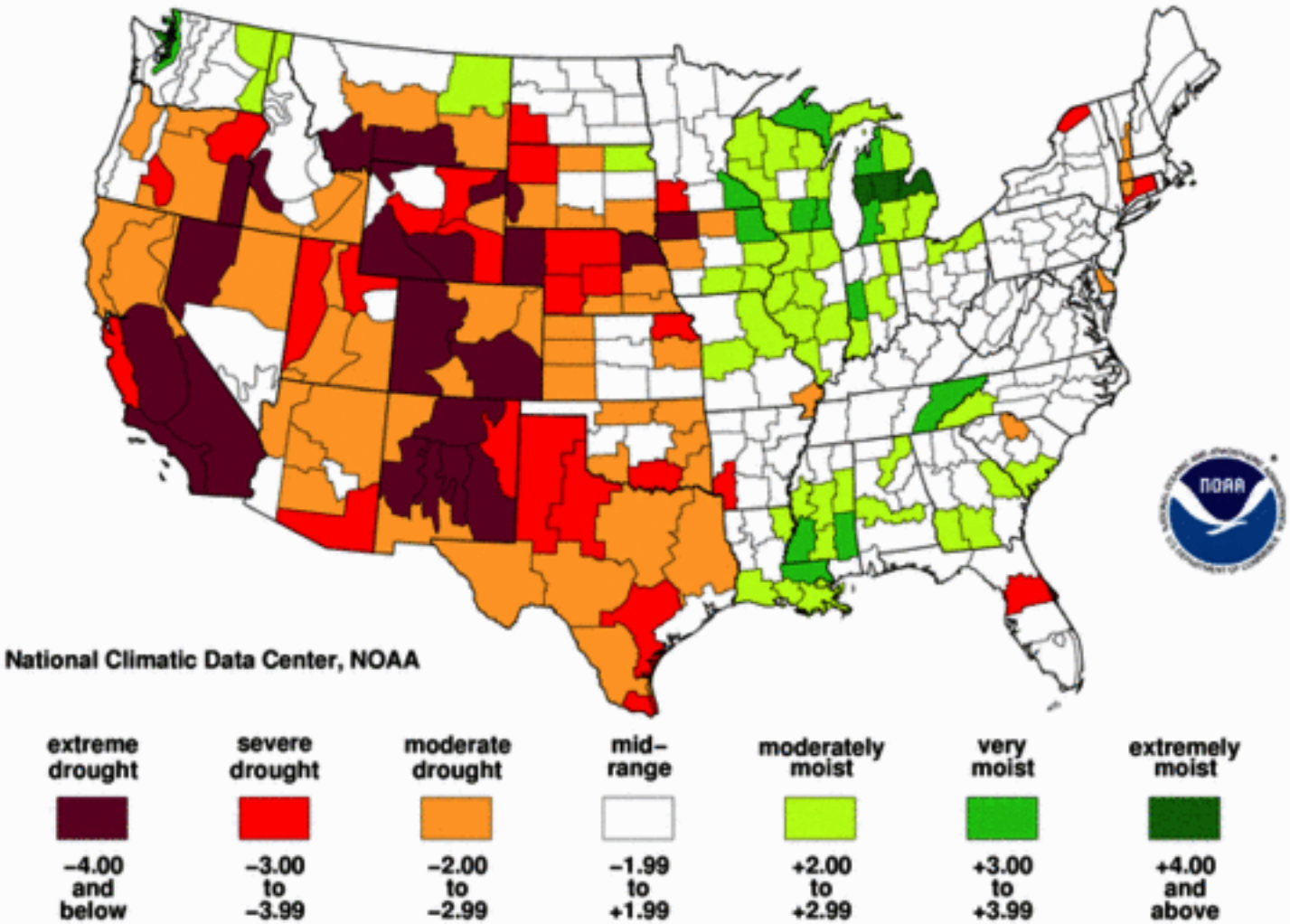
Palmer Hydrological Drought Index
February, 2013



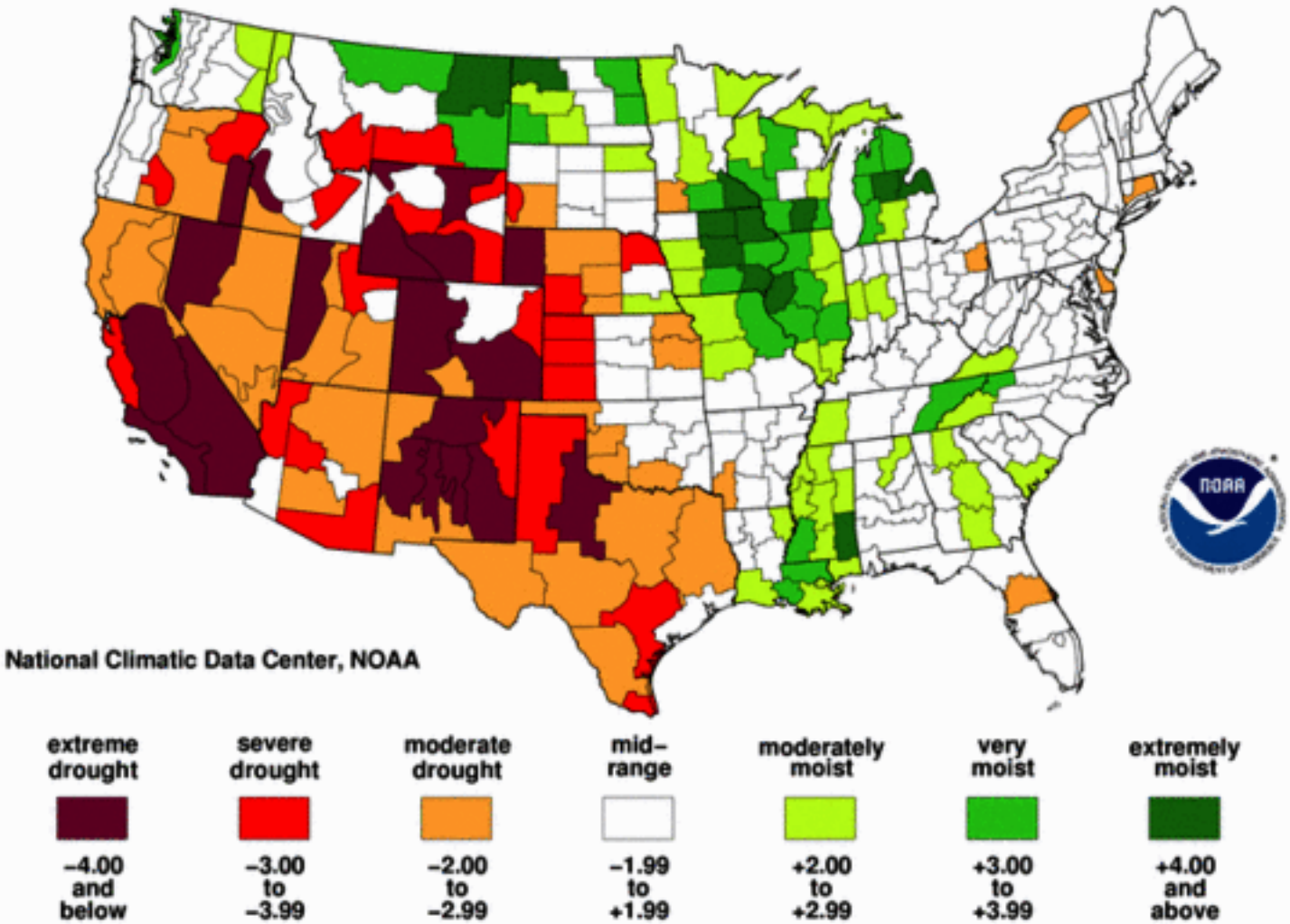
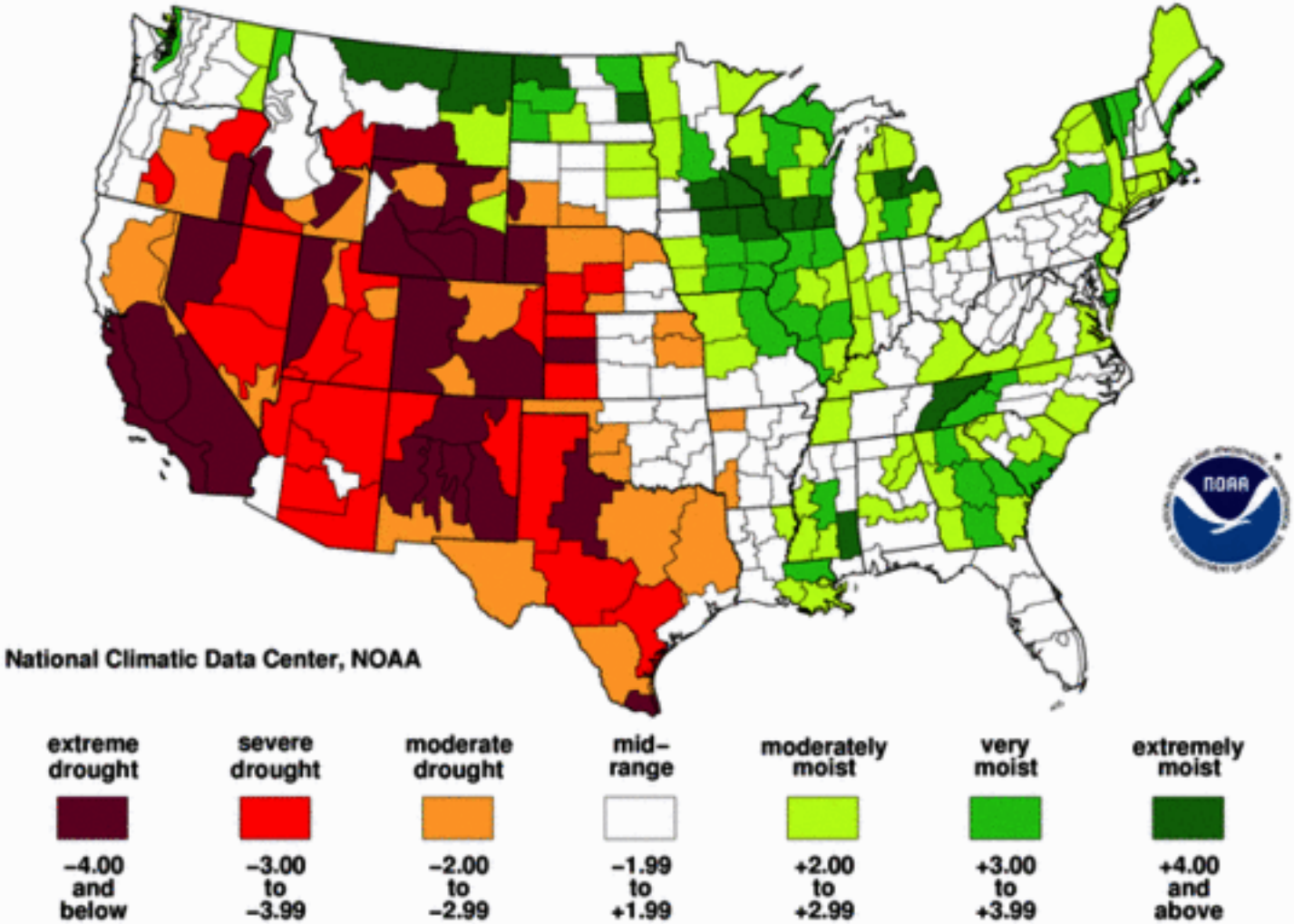
Palmer Hydrological Drought Index
March, 2013



Palmer Hydrological Drought Index
April, 2013



Palmer Hydrological Drought Index
May, 2013



Palmer Hydrological Drought Index
June, 2013