

**U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT**

Action Id. **SAW-2018-01357** County: **Alamance** U.S.G.S. Quad: **NC- Crutchfield Crossroads / Snow Camp**

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Requestor: **Snow Camp Property Investments, LLC**
Attn.: **Mary McDonald**
Address: **P.O. Box 87**
Randleman, NC 27317

Size (acres) **~125** Nearest Town **Snow Camp**
Nearest Waterway **UT to Cane Creek** River Basin **Cape Fear**
USGS HUC **03030002** Coordinates **35.870832 N, -79.418553 W**
Location description: **The project area is located between Clark Road and Quackenbush Road, approximately 0.5 mile east of Snow Camp Road, in Snow Camp, Alamance County, North Carolina.**

The Review Area for the Approved Jurisdictional Determination is delineated as the orange outlined "Approved JD Review Area" on the attached maps entitled "Overall Map Key" and "Preliminary Plat of Wetlands and Stream Delineation Survey", Sheets 1 through 10.

The Review Area for the Preliminary Jurisdictional Determination is delineated as the red outlined "Review Area" on the attached maps entitled "Overall Map Key" and "Preliminary Plat of Wetlands and Stream Delineation Survey", Sheets 1 through 10.

Indicate Which of the Following Apply:

A. Preliminary Determination

- ☒ There appear to be waters including wetlands, on the above described PJD boundary" review area, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. The approximate boundaries of these waters are shown within the "Review Area" on the enclosed delineation maps entitled "Overall Map Key" and "Preliminary Plat of Wetlands and Stream Delineation Survey", Sheets 1 through 10. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.
- ☐ There appear to be waters including wetlands, on the above described project area/property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). However, since the waters including wetlands, have not been properly delineated, this preliminary jurisdiction determination may not be used in the permit evaluation process. Without a verified wetland delineation, this preliminary determination is merely an effective presumption of CWA/RHA jurisdiction over all of the waters including wetlands, at the project area, which is not sufficiently accurate and reliable to support an enforceable permit decision. We recommend that you have the waters including wetlands, on your project area/property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.

B. Approved Determination

- ☐ There are Navigable Waters of the United States within the above described project area/property subject to the permit requirements of Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403) and Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- ☐ There are waters including wetlands, on the above described project area/property subject to the permit requirements of Section 404 of the Clean Water Act (CWA) (33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

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- ☐ We recommend you have the waters including wetlands, on your project area/property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.
- ☐ The waters including wetlands, on your project area/property have been delineated and the delineation has been verified by the Corps. The approximate boundaries of these waters are shown on the enclosed delineation map dated _____. We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.
- ☐ The waters including wetlands, have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on _____. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- ☒ **There are no waters of the U.S., to include wetlands, present within the above described “Approved JD Review Area”, which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.**
- ☐ The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Morehead City, NC, at (252) 808-2808 to determine their requirements.

Placement of dredged or fill material within waters of the US, including wetlands, without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). Placement of dredged or fill material, construction or placement of structures, or work within navigable waters of the United States without a Department of the Army permit may constitute a violation of Sections 9 and/or 10 of the Rivers and Harbors Act (33 USC § 401 and/or 403). If you have any questions regarding this determination and/or the Corps regulatory program, please contact **David Bailey at (919) 554-4884 X 30 or David.E.Bailey2@usace.army.mil.**

C. Basis For Determination: See the attached Approved Jurisdictional Determination Form and Preliminary Jurisdictional Determination Form, dated 11/6/2018 and 3/20/2019, respectively.

D. Remarks: The Review Area for the Approved Jurisdictional Determination is delineated as the orange outlined “Approved JD Review Area” on the attached maps entitled “Overall Map Key” and “Preliminary Plat of Wetlands and Stream Delineation Survey”, Sheets 1 through 10.

The Review Area for the Preliminary Jurisdictional Determination is delineated as the red outlined “Review Area” on the attached maps entitled “Overall Map Key” and “Preliminary Plat of Wetlands and Stream Delineation Survey”, Sheets 1 through 10.

E. Attention USDA Program Participants

This delineation/determination has been conducted to identify the limits of Corps’ Clean Water Act jurisdiction for the particular site identified in this request. The delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

F. Appeals Information (This information applies only to approved jurisdictional determinations as indicated in B. above)

This correspondence constitutes an approved jurisdictional determination for the above described site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and request for appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

US Army Corps of Engineers
South Atlantic Division
Attn: Jason Steele, Review Officer
60 Forsyth Street SW, Room 10M15
Atlanta, Georgia 30303-8801

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In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form (for the Approved JD), it must be received at the above address by **5/20/2019**.

****It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this correspondence.****

Corps Regulatory Official: **GIBBY.JEAN.B.1229783633**

Digitally signed by GIBBY.JEAN.B.1229783633
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA,
cn=GIBBY.JEAN.B.1229783633
Date: 2019.03.25 12:51:50 -04'00'

Date of JD: **3/20/2019**

Expiration Date of Approved JD: **3/20/2024**

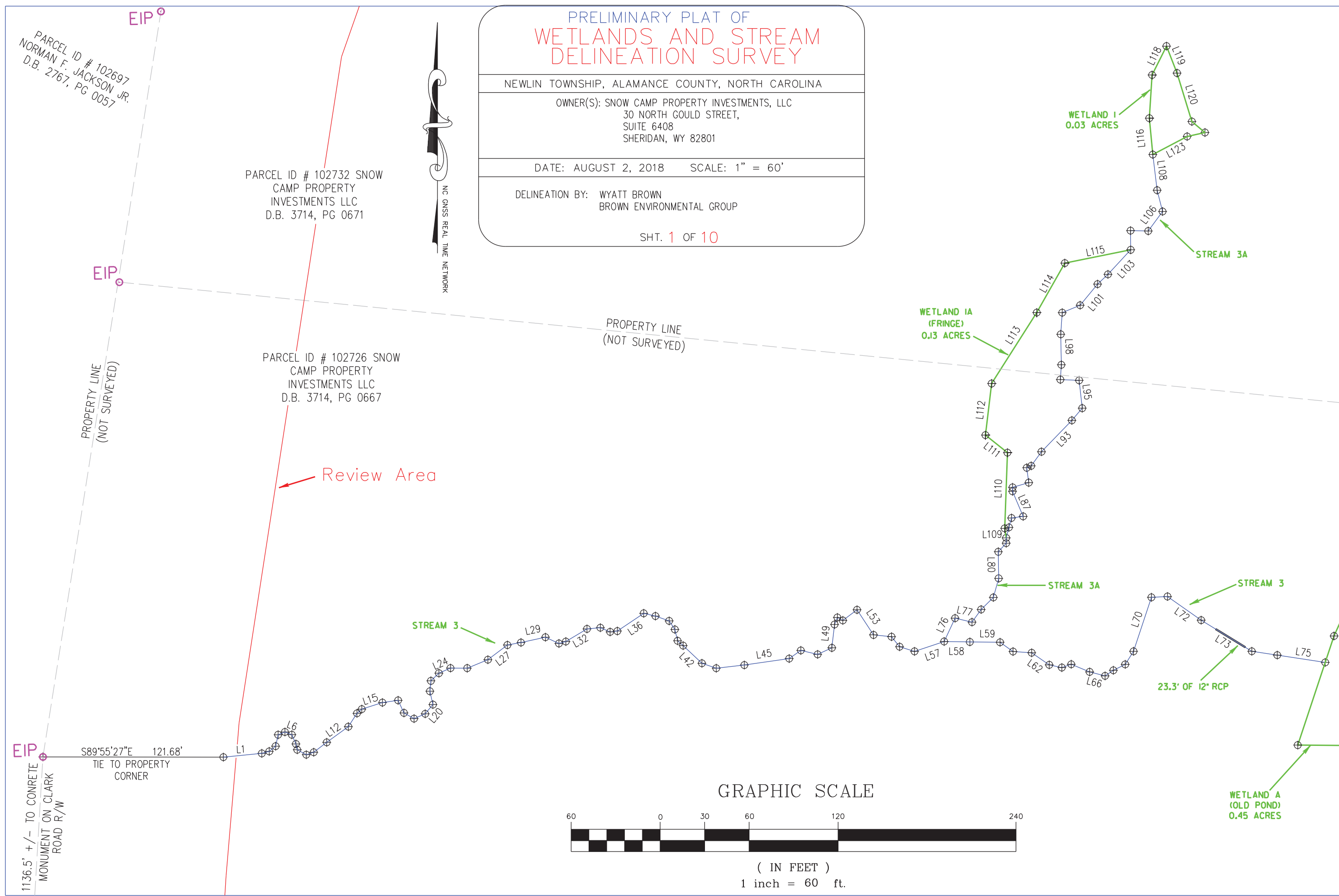
Expiration Date of Preliminary JD: **Not Applicable**

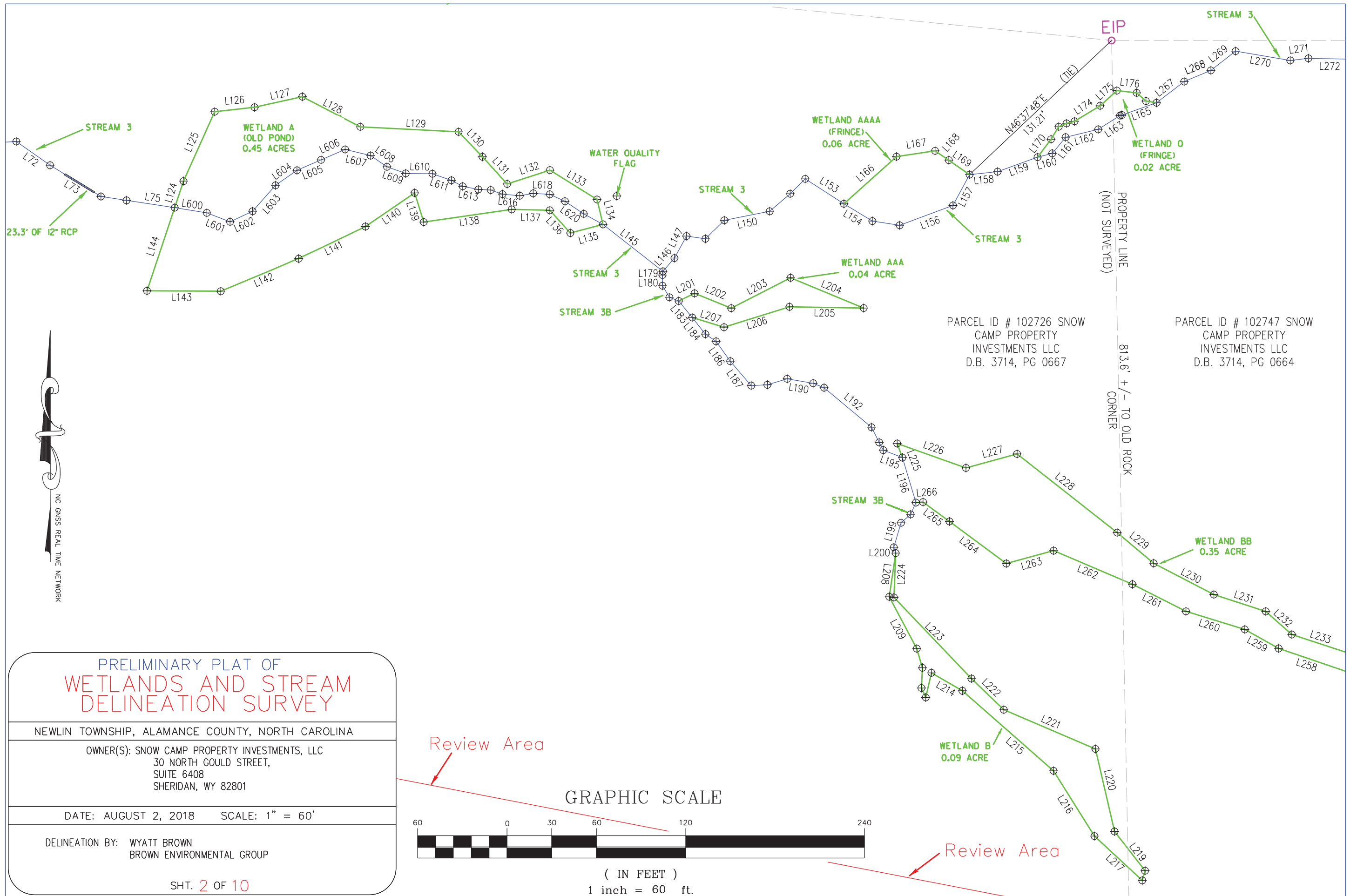
The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete the Customer Satisfaction Survey located at http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0.

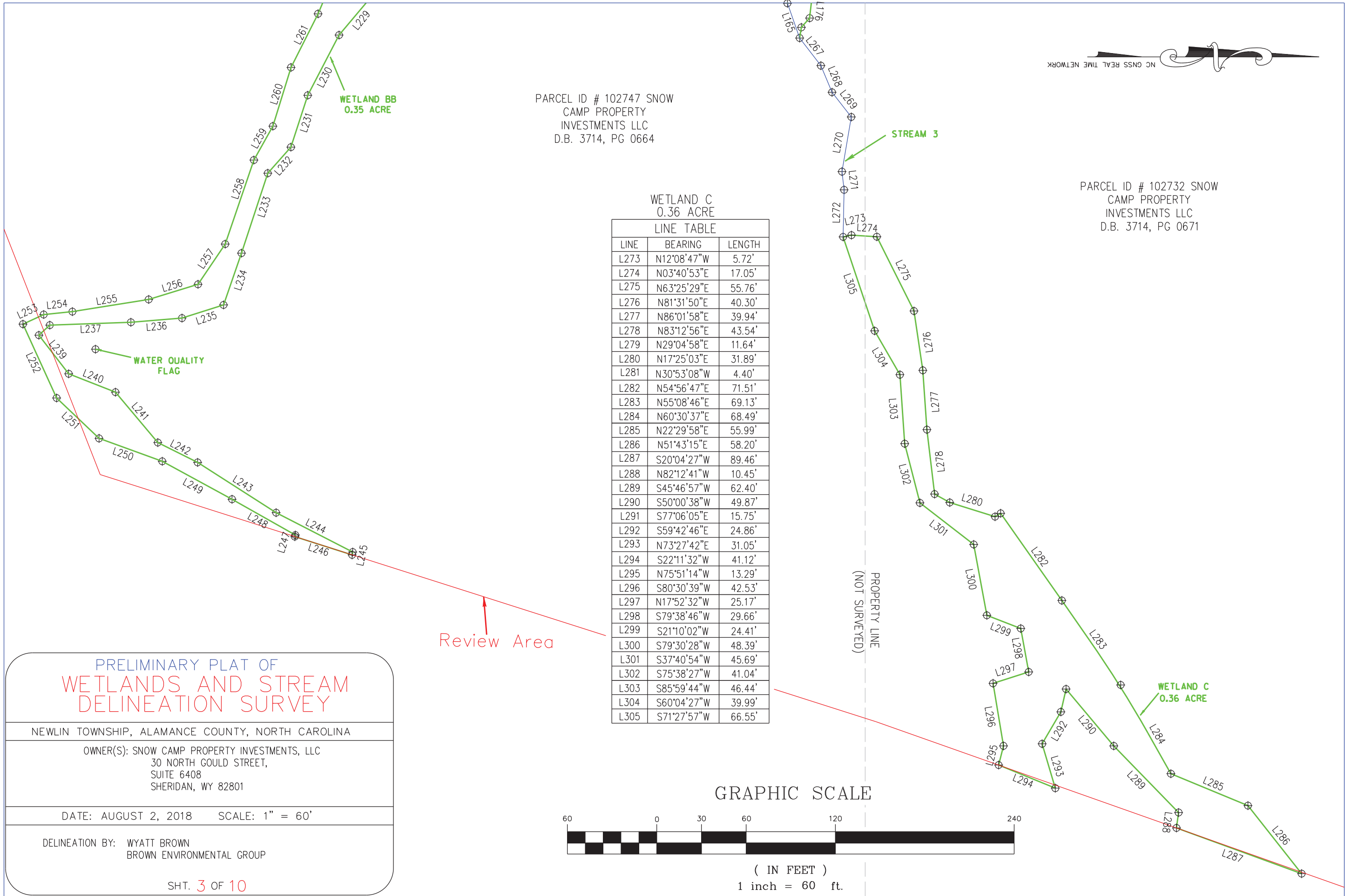
Copy furnished:

Sue Homewood, NCDEQ-DWR, 450 W. Hanes Mill Rd, Suite 300, Winston-Salem, NC 27105

Wyatt Brown, Brown's Environmental Group, Inc., 242 Batten Farm Road, Selma, NC 27576







STREAM 3
1510.58 TOTAL LINEAR FEET

LINE TABLE		
LINE	BEARING	LENGTH
L1	N84°22'59"E	26.03'
L2	N74°50'18"E	5.22'
L3	N50°42'01"E	5.51'
L4	N12°27'49"E	7.90'
L5	N67°17'59"E	4.94'
L6	S67°59'40"E	5.06'
L7	S23°52'35"E	6.76'
L8	S13°12'10"E	4.09'
L9	S61°41'01"E	6.91'
L10	N72°13'54"E	5.27'
L11	N52°39'18"E	11.02'
L12	N54°04'51"E	18.04'
L13	N32°47'50"E	10.73'
L14	N48°53'53"E	4.30'
L15	N72°15'18"E	14.60'
L16	N81°57'50"E	10.69'
L17	S25°01'21"E	9.37'
L18	S60°11'32"E	7.80'
L19	N66°39'54"E	8.21'
L20	N39°54'05"E	8.11'
L21	N12°39'55"W	9.24'
L22	N05°26'49"E	7.03'
L23	N46°02'17"E	7.45'
L24	N66°22'00"E	8.55'
L25	S89°52'23"E	11.28'
L26	N67°45'27"E	15.10'
L27	N53°06'21"E	16.47'
L28	N79°30'50"E	9.27'
L29	N77°46'31"E	16.89'
L30	S65°21'20"E	10.05'
L31	N74°24'47"E	4.79'
L32	N59°10'47"E	16.65'
L33	N84°55'38"E	9.05'
L34	S67°02'50"E	7.16'
L35	N83°51'58"E	4.90'
L36	N55°57'03"E	21.42'
L37	S76°51'09"E	8.15'
L38	S70°31'00"E	9.78'
L39	S33°49'31"E	6.94'
L40	S13°35'18"E	7.88'
L41	S48°52'59"E	4.99'
L42	S46°44'02"E	17.34'
L43	S70°47'35"E	10.23'
L44	N83°30'36"E	19.09'
L45	N81°46'17"E	30.58'
L46	N54°52'24"E	9.56'
L47	S76°43'51"E	11.65'
L48	N65°24'59"E	10.57'
L49	N06°30'06"E	15.90'
L50	N21°56'38"E	5.08'
L51	S61°40'40"E	4.17'
L52	N53°14'21"E	11.97'
L53	S33°19'02"E	20.29'
L54	S84°14'51"E	12.22'
L55	S38°42'16"E	8.63'
L56	S72°43'19"E	10.56'
L57	N71°32'00"E	21.06'

STREAM 3
CONTINUED

LINE TABLE		
LINE	BEARING	LENGTH
L58	S88°55'56"E	17.33'
L59	S89°20'46"E	20.41'
L60	S54°27'17"E	10.71'
L61	S86°17'20"E	12.61'
L62	S55°29'40"E	14.40'
L63	S77°46'55"E	8.66'
L64	N71°02'04"E	6.73'
L65	S67°35'12"E	13.39'
L66	S75°30'49"E	10.77'
L67	N56°09'35"E	6.77'
L68	N63°27'08"E	8.89'
L69	N32°39'26"E	10.45'
L70	N18°19'14"E	38.37'
L71	N86°56'20"E	10.86'
L72	S54°53'03"E	27.76'
L73	S58°25'12"E	40.06'
L74	S81°22'21"E	17.40'
L75	S81°22'21"E	32.72'
L600	S80°50'45"E	21.82'
L601	S68°54'07"E	16.71'
L602	N64°50'22"E	16.71'
L603	N41°30'58"E	23.25'
L604	N55°04'42"E	17.60'
L605	N66°31'33"E	17.60'
L606	N66°31'33"E	17.60'
L607	S76°24'49"E	17.60'
L608	S55°37'08"E	13.35'
L609	S70°41'50"E	13.35'
L610	S89°04'23"E	17.95'
L611	S71°06'05"E	13.48'
L612	S61°53'59"E	8.56'
L613	S78°47'49"E	10.72'
L614	S86°59'06"E	8.34'
L615	S70°46'28"E	8.34'
L616	S84°38'12"E	11.68'
L617	N79°37'35"E	9.14'
L618	S86°37'52"E	11.20'
L619	S65°19'14"E	11.20'
L620	S56°05'09"E	15.21'
L621	S61°29'33"E	14.71'
L145	S51°55'28"E	51.12'
L146	N40°59'58"E	11.77'
L147	N28°38'18"E	16.84'
L148	S81°50'38"E	12.86'
L149	N45°36'15"E	17.77'
L150	N78°44'33"E	31.07'
L151	N49°31'03"E	18.05'
L152	N45°18'07"E	14.23'
L153	S57°14'18"E	30.88'
L154	S58°39'01"E	22.37'
L155	S81°21'23"E	18.56'
L156	N69°32'30"E	38.21'
L157	N28°19'20"E	23.47'
L158	N83°59'27"E	18.92'
L159	N70°05'38"E	28.59'
L160	N75°22'24"E	10.15'
L161	N39°48'24"E	14.10'

STREAM 3
CONTINUED

LINE TABLE		
LINE	BEARING	LENGTH
L162	N76°22'58"E	22.49'
L163	N57°38'02"E	17.30'
L164	N73°22'05"E	1.31'
L165	N70°34'07"E	24.73'
L267	N52°32'07"E	23.41'
L268	N67°15'44"E	19.38'
L269	N51°59'32"E	21.04'
L270	S80°19'11"E	37.27'
L271	N83°22'01"E	12.29'
L272	S88°48'39"E	31.61'

WETLAND 1A
(FRINGE) 0.13 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L109	N08°49'26"W	6.49'
L110	N02°05'16"E	51.11'
L111	N51°31'03"W	18.99'
L112	N06°53'07"E	35.09'
L113	N32°26'05"E	56.73'
L114	N29°35'40"E	38.36'
L115	N78°35'33"E	45.32'

WETLAND 1
0.03 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L116	N05°29'05"W	24.68'
L117	N03°40'55"E	29.18'
L118	N26°29'57"E	21.77'
L119	S21°27'34"E	19.53'
L120	S17°00'27"E	34.20'
L121	S49°55'37"E	11.49'
L122	S77°17'01"W	12.32'
L123	S62°13'38"W	26.16'

WETLAND A– OLD POND
0.45 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L124	N18°24'30"E	18.78'
L125	N24°10'41"E	51.11'
L126	N83°38'16"E	26.92'
L127	N77°33'12"E	32.87'
L128	S62°30'10"E	43.82'
L129	S87°06'22"E	66.14'
L130	S43°39'56"E	23.16'
L131	S42°19'37"E	24.65'
L132	N72°07'32"E	30.20'
L133	S58°04'34"E	37.25'
L134	S13°30'01"E	17.21'
L135	S75°07'56"W	22.69'
L136	N42°05'38"W	20.57'
L137	N88°41'42"W	25.60'
L138	S81°41'42"W	59.68'
L139	N17°14'30"W	20.49'
L140	S55°36'49"W	40.05'
L141	S64°17'39"W	49.74'

WETLAND A– OLD POND
0.45 ACRE CONTINUED

LINE TABLE		
LINE	BEARING	LENGTH
L142	S67°19'25"W	56.71'
L143	N89°38'49"W	49.51'
L144	N18°24'30"E	58.82'

STREAM 3A
434.32 TOTAL LINEAR FEET

LINE TABLE		
LINE	BEARING	LENGTH
L76	N25°09'15"E	17.36'
L77	S76°50'14"E	11.73'
L78	N35°51'53"E	10.55'
L79	N45°19'22"E	11.55'
L80	N15°27'39"E	13.37'
L81	N00°42'57"W	17.93'
L82	N42°23'23"E	7.87'
L83	N00°00'58"W	3.57'
L84	N14°54'17"E	7.34'
L85	N15°09'15"E	6.56'
L86	N82°05'59"E	7.93'
L87	N23°04'44"W	18.36'
L88	N01°18'33"E	2.67'
L89	N73°39'01"E	11.39'
L90	N07°38'39"W	10.10'
L91	N66°31'57"E	3.24'
L92	N36°04'36"E	11.80'
L93	N44°05'10"E	29.44'
L94	N40°24'18"E	10.77'
L95	N06°13'52"W	18.93'
L96	N87°42'43"W	12.70'
L97	N04°00'09"E	9.97'
L98	N01°13'07"W	20.59'
L99	N03°58'47"E	14.67'
L100	N67°26'25"E	13.04'
L101	N39°35'13"E	18.46'
L102	N46°51'15"E	9.59'
L103	N42°49'55"E	22.62'
L104	N00°31'36"W	12.94'
L105	S88°58'46"E	11.96'
L106	N36°12'58"E	16.29'
L107	N14°12'32"W	14.80'
L108	N06°58'16"W	24.23'

WETLAND AAAA
(FRINGE) 0.06 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L166	N48°08'42"E	47.42'
L167	N81°23'55"E	26.22'
L168	S55°46'06"E	11.15'
L169	S55°07'21"E	16.97'

WETLAND O
(FRINGE) 0.02 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L170	N36°50'00"E	15.01'
L171	N31°30'45"E	9.87'
L172	N66°55'16"E	5.72'

WETLAND O
(FRINGE) 0.02 ACRE CONTINUED

LINE TABLE		
LINE	BEARING	LENGTH
L173	N75°08'56"E	5.56'
L174	N58°39'22"E	20.14'
L175	N47°57'58"E	15.13'
L176	S83°42'31"E	13.39'
L177	S48°18'50"E	8.34'
L178	S80°55'14"E	7.21'

WETLAND AAA
0.04 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L201	N64°04'22"E	11.81'
L202	S67°53'43"E	26.55'
L203	N62°48'38"E	44.77'
L204	S67°30'08"E	53.18'
L205	N89°05'22"W	49.84'
L206	S72°42'11"W	46.01'
L207	N72°59'36"W	22.33'

STREAM 3B
293.70' TOTAL LINEAR FEET

LINE TABLE		
LINE	BEARING	LENGTH
L179	S07°12'57"W	2.51'
L180	S00°09'32"W	7.21'
L181	S30°55'17"E	9.03'
L182	S68°15'35"E	6.80'
L183	S39°16'13"E	14.31'
L184	S38°24'24"E	14.21'
L185	S55°54'52"E	8.68'
L186	S35°22'10"E	16.36'
L187	S40°46'20"E	21.63'
L188	N87°17'55"E	10.86'
L189	N73°10'28"E	13.86'
L190	S80°27'50"E	17.73'
L191	S67°40'30"E	7.91'
L192	S50°11'27"E	41.48'
L193	S26°41'27"E	11.40'
L194	S28°02'59"E	5.89'
L195	S68°45'58"E	13.76'
L196	S16°44'39"E	31.59'
L197	S24°19'58"W	8.64'
L198	S48°32'03"W	8.63'
L199	S16°23'59"W	17.11'
L200	S18°00'06"E	4.10'

WETLAND B
0.09 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L208	S08°20'54"W	29.67'
L209	S27°59'16"E	39.39'
L210	S16°12'46"W	13.42'
L211	S02°35'46"W	13.60'
L212	S24°33'25"E	6.93'
L213	N12°59'40"E	16.95'
L214	S59°48'14"E	24.02'
L215	S48°43'02"E	81.46'
L216	S32°04'59"E	51.71'

WETLAND B
0.09 ACRE CONTINUED

LINE TABLE		
LINE	BEARING	LENGTH
L217	S47°10'13"E	43.80'
L218	N16°08'00"E	6.74'
L219	N37°48'52"W	33.42'
L220	N13°02'48"W	56.87'
L221	N66°48'56"W	66.90'
L222	N45°03'47"W	30.18'
L223	N43°40'36"W	75.32'
L224	N02°11'19"E	29.80'

WETLAND BB
0.35 ACRE

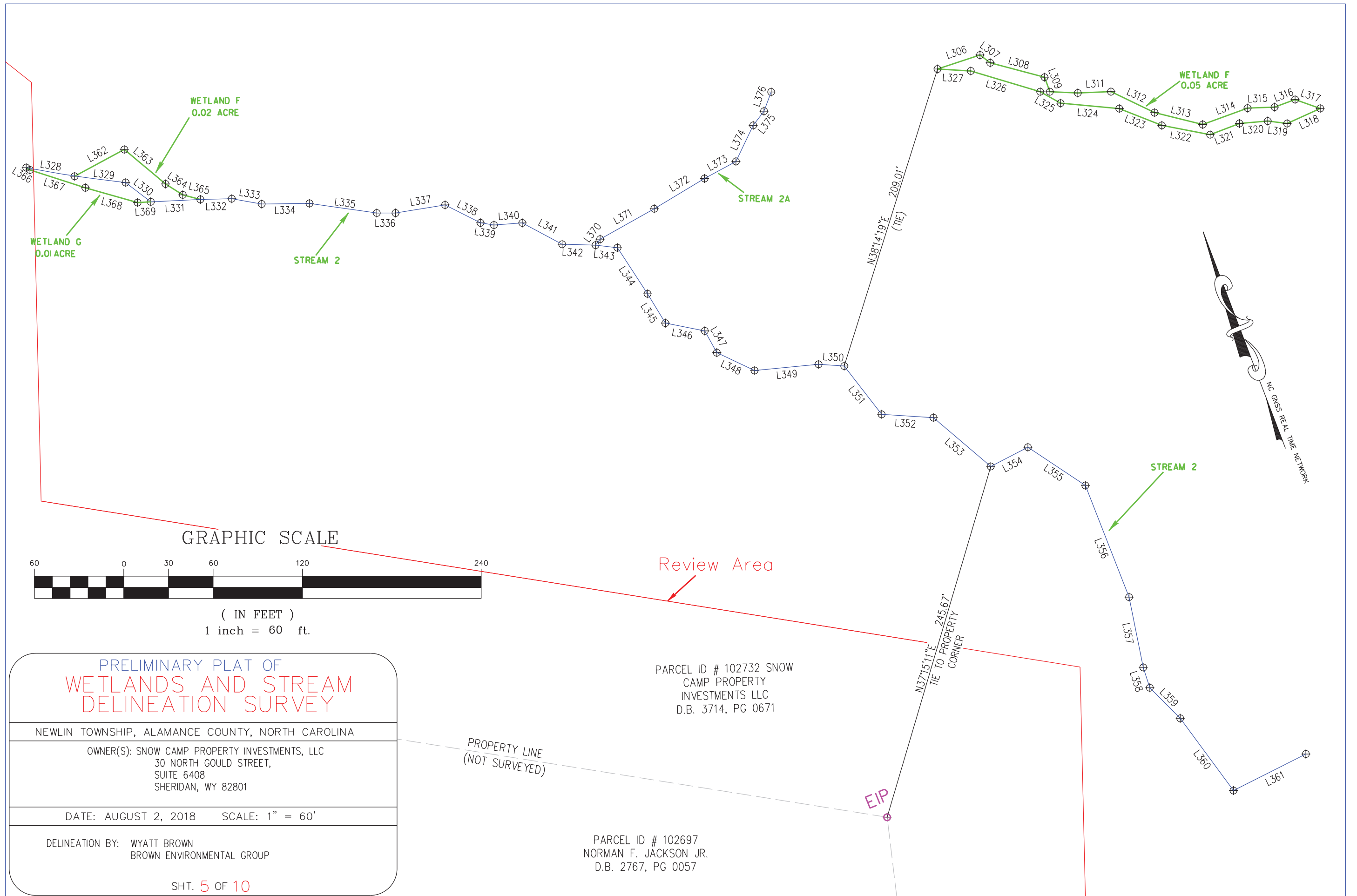
LINE TABLE		
LINE	BEARING	LENGTH
L225	N20°14'15"W	10.04'
L226	S70°27'04"E	48.96'
L227	N74°41'15"E	35.60'
L228	S51°49'26"E	85.52'
L229	S50°00'57"E	32.01'
L230	S62°30'32"E	45.54'
L231	S72°03'38"E	36.64'
L232	S48°22'49"E	23.42'
L233	S71°48'58"E	56.51'
L234	S70°51'03"E	36.79'
L235	S17°36'16"E	29.26'
L236	S04°38'58"E	34.42'
L237	S02°02'27"E	54.48'
L238	S42°24'40"E	9.96'
L239	N52°17'20"E	32.76'
L240	N21°29'40"E	33.77'
L241	N49°56'52"E	44.17'
L242	N26°32'03"E	29.86'
L243	N32°38'20"E	62.61'
L244	N27°12'30"E	57.79'
L245	S78°05'37"E	1.95'
L246	S17°40'05"W	40.37'
L247	N71°48'51"W	1.10'
L248	S29°31'30"W	48.82'
L249	S28°31'26"W	53.30'
L250	S19°56'26"W	45.17'
L251	S43°35'25"W	39.38'
L252	S65°30'09"W	54.48'

PRELIMINARY PLAT OF
WETLANDS AND STREAM
DELINEATION SURVEY

NEWLIN TOWNSHIP, ALAMANCE COUNTY, NORTH CAROLINA

OWNER(S): SNOW CAMP PROPERTY INVESTMENTS, LLC
30 NORTH GOULD STREET,
SUITE 6408
SHERIDAN, WY 82801

DATE: AUGUST 2, 2018 SCALE: 1" = 60'



WETLAND F
0.05 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L306	S87°27'30"E	30.06'
L307	S32°00'58"E	8.57'
L308	S54°19'55"E	37.73'
L309	S00°35'55"W	10.44'
L310	S66°37'40"E	18.80'
L311	S71°32'26"E	22.29'
L312	S43°29'38"E	32.47'
L313	S55°18'21"E	33.33'
L314	S89°20'01"E	32.07'
L315	S71°16'28"E	18.14'
L316	S89°31'43"E	14.70'
L317	S49°39'26"E	17.87'
L318	S86°15'10"W	24.42'
L319	N61°58'51"W	13.13'
L320	N74°00'06"W	19.06'
L321	S89°50'04"W	21.09'
L322	N58°16'29"W	33.01'
L323	N47°40'47"W	30.70'
L324	N63°52'06"W	39.62'
L325	N40°02'41"W	15.65'
L326	N52°29'28"W	48.66'
L327	N65°58'41"W	22.38'

STREAM 2
1089.96 TOTAL LINEAR FEET

LINE TABLE		
LINE	BEARING	LENGTH
L328	S59°03'30"E	32.96'
L329	S62°12'41"E	34.54'
L330	S31°38'56"E	21.30'
L331	S72°01'57"E	33.33'
L332	S70°27'51"E	21.11'
L333	S59°09'23"E	20.39'
L334	S69°56'46"E	32.09'
L335	S61°03'54"E	45.65'
L336	S69°03'06"E	12.62'
L337	S78°30'07"E	33.68'
L338	S42°21'39"E	26.64'
L339	S60°09'40"E	9.15'
L340	S73°18'04"E	19.13'
L341	S41°02'34"E	30.30'
L342	S67°38'35"E	22.45'
L343	S62°32'32"E	14.81'
L344	S12°23'02"E	36.95'
L345	S10°26'34"E	23.05'
L346	S57°59'43"E	26.99'
L347	S07°59'46"E	16.69'
L348	S43°55'28"E	28.02'
L349	S74°45'33"E	43.19'
L350	S65°21'19"E	17.30'
L351	S16°53'50"E	41.05'
L352	S65°33'45"E	34.89'
L353	S28°46'29"E	50.51'
L354	N83°27'07"E	28.07'
L355	S35°34'52"E	46.38'
L356	S00°32'57"E	80.54'
L357	S09°21'02"W	48.15'
L358	S03°03'57"W	14.36'
L359	S24°02'16"E	28.95'
L360	S15°36'20"E	60.25'
L361	N84°01'19"E	54.49'

WETLAND F
0.02 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L362	N82°30'09"E	37.94'
L363	S29°16'29"E	36.06'
L364	S36°50'17"E	13.70'
L365	S54°44'47"E	12.20'

WETLAND G
0.01 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L366	S37°37'43"E	2.92'
L367	S51°18'29"E	39.08'
L368	S53°22'47"E	36.46'
L369	S72°20'13"E	8.87'

STREAM 2A
162.78 TOTAL LINEAR FEET

LINE TABLE		
LINE	BEARING	LENGTH
L370	N58°27'26"E	5.06'
L371	N81°26'26"E	41.71'
L372	N79°47'31"E	39.37'
L373	N82°13'13"E	24.01'
L374	N46°22'13"E	26.85'
L375	N58°15'46"E	11.98'
L376	N41°03'21"E	13.80'

PRELIMINARY PLAT OF
WETLANDS AND STREAM
DELINEATION SURVEY

NEWLIN TOWNSHIP, ALAMANCE COUNTY, NORTH CAROLINA

OWNER(S): SNOW CAMP PROPERTY INVESTMENTS, LLC
30 NORTH GOULD STREET,
SUITE 6408
SHERIDAN, WY 82801

DATE: AUGUST 2, 2018 SCALE: 1" = 60'

DELINEATION BY: WYATT BROWN
BROWN ENVIRONMENTAL GROUP

PRELIMINARY PLAT OF
WETLANDS AND STREAM
DELINEATION SURVEY

NEWLIN TOWNSHIP, ALAMANCE COUNTY, NORTH CAROLINA

OWNER(S): SNOW CAMP PROPERTY INVESTMENTS, LLC
30 NORTH GOULD STREET,
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SHERIDAN, WY 82801

DATE: AUGUST 2, 2018 SCALE: 1" = 60'

DELINEATION BY: WYATT BROWN
BROWN ENVIRONMENTAL GROUP

SHT. 8 OF 10

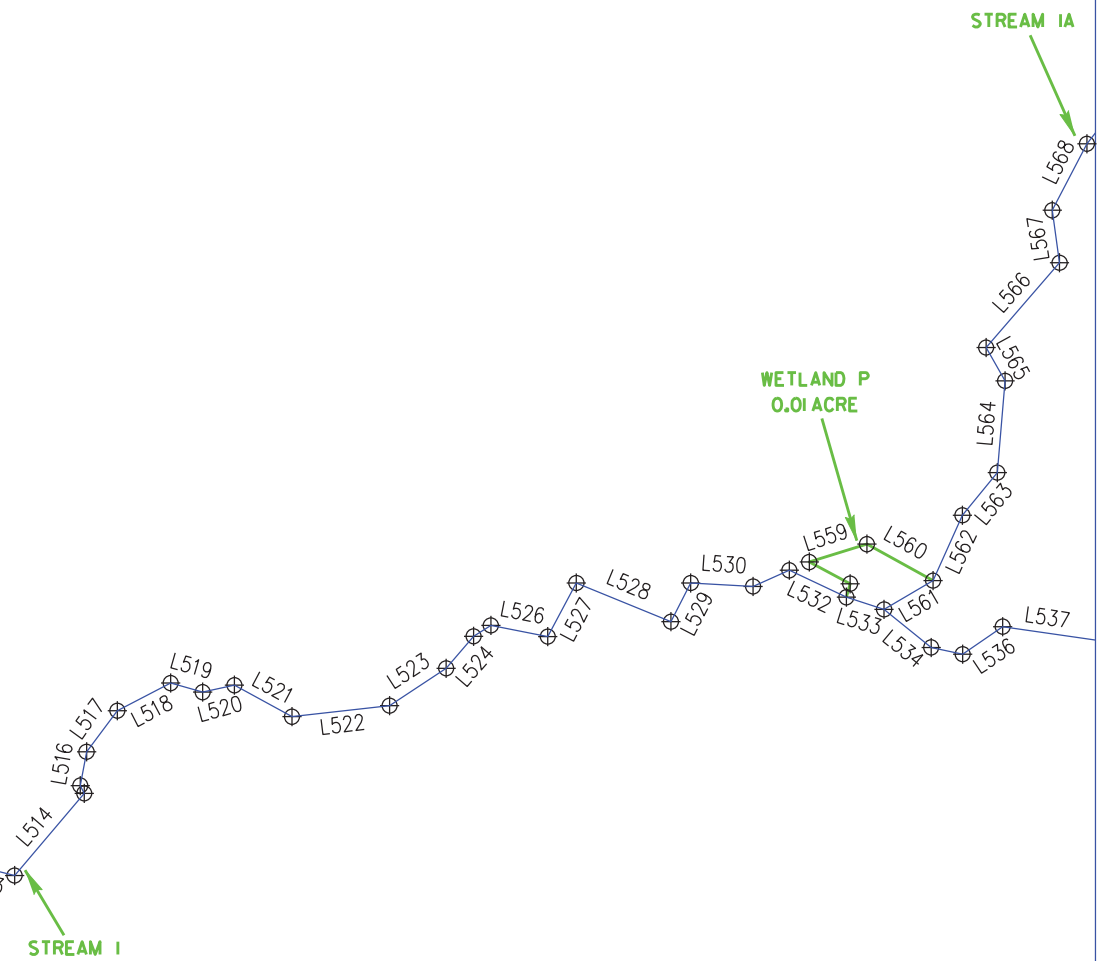
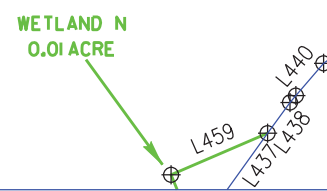
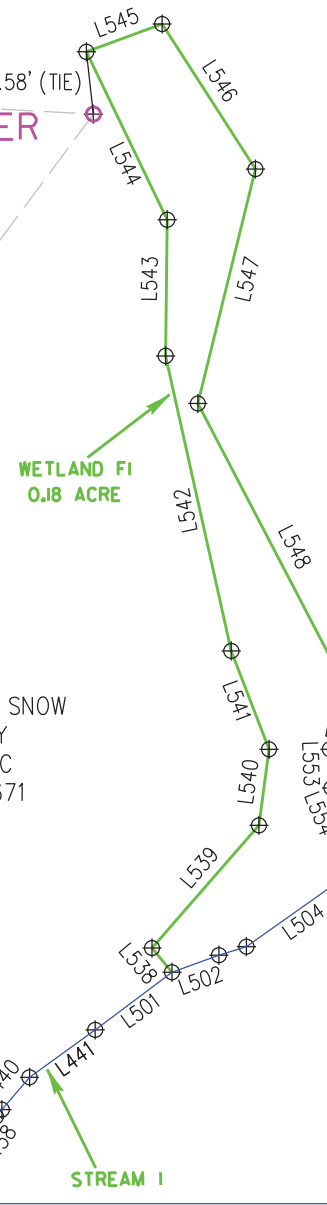
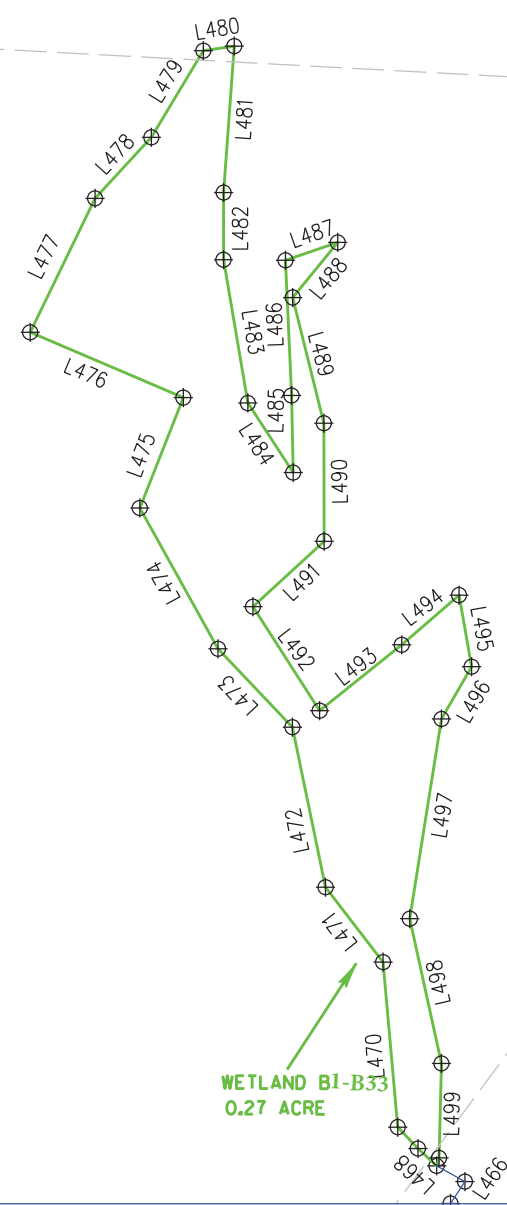


PARCEL ID # 102732 SNOW
CAMP PROPERTY
INVESTMENTS LLC
D.B. 3714, PG 0671

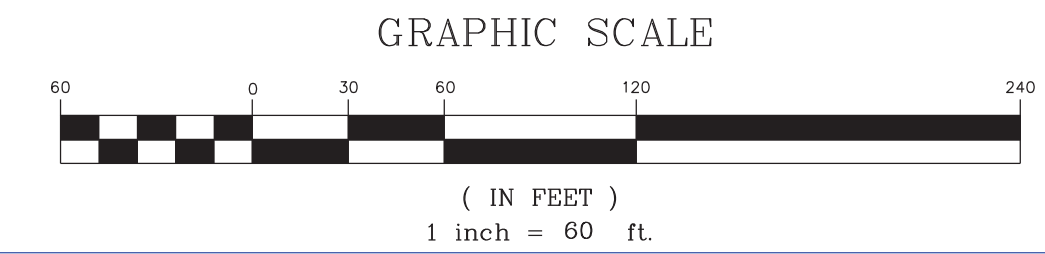
PROPERTY CORNER
(ROCK)

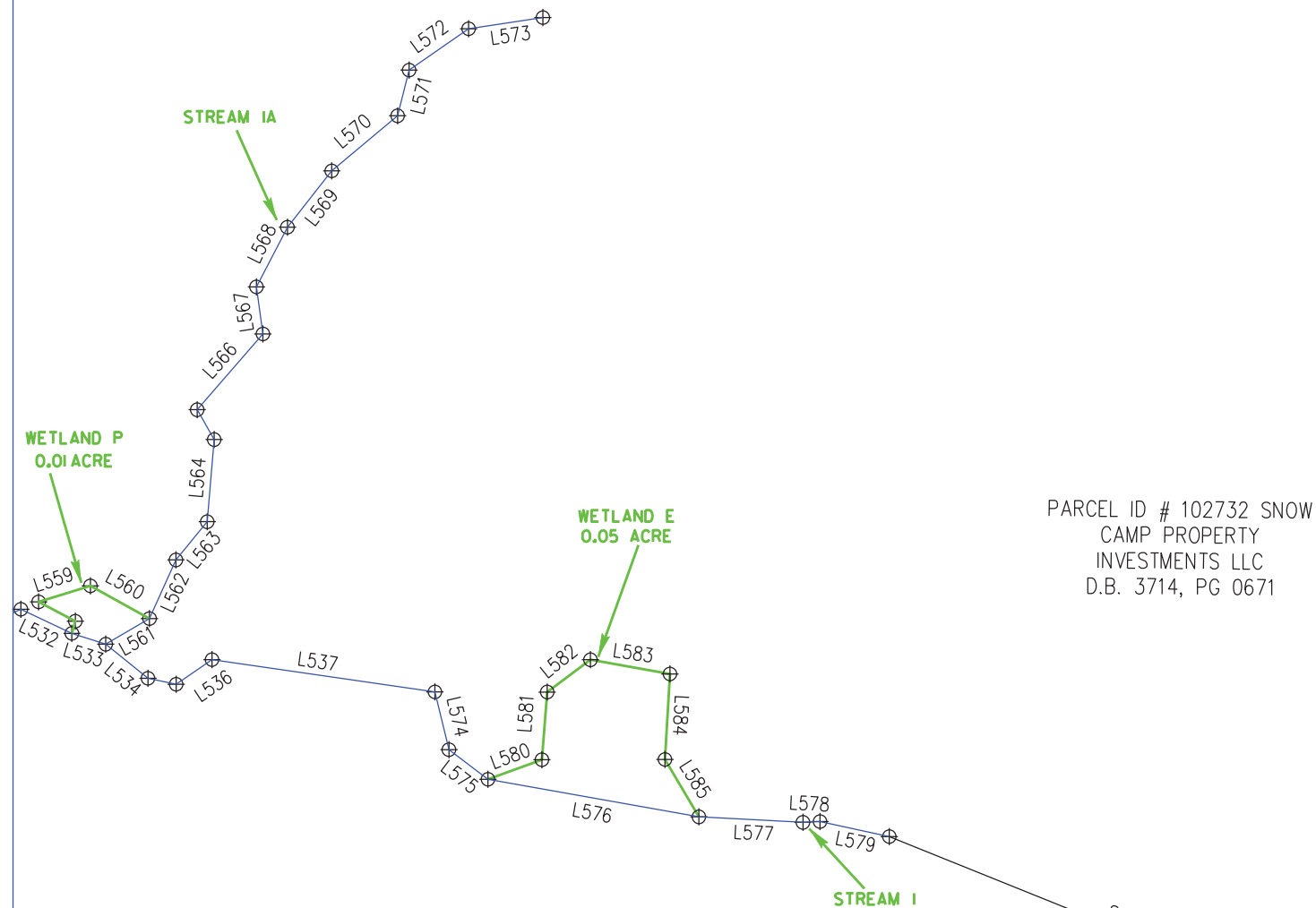
PARCEL ID # 102732 SNOW
CAMP PROPERTY
INVESTMENTS LLC
D.B. 3714, PG 0671

PARCEL ID # 102732 SNOW
CAMP PROPERTY
INVESTMENTS LLC
D.B. 3714, PG 0671

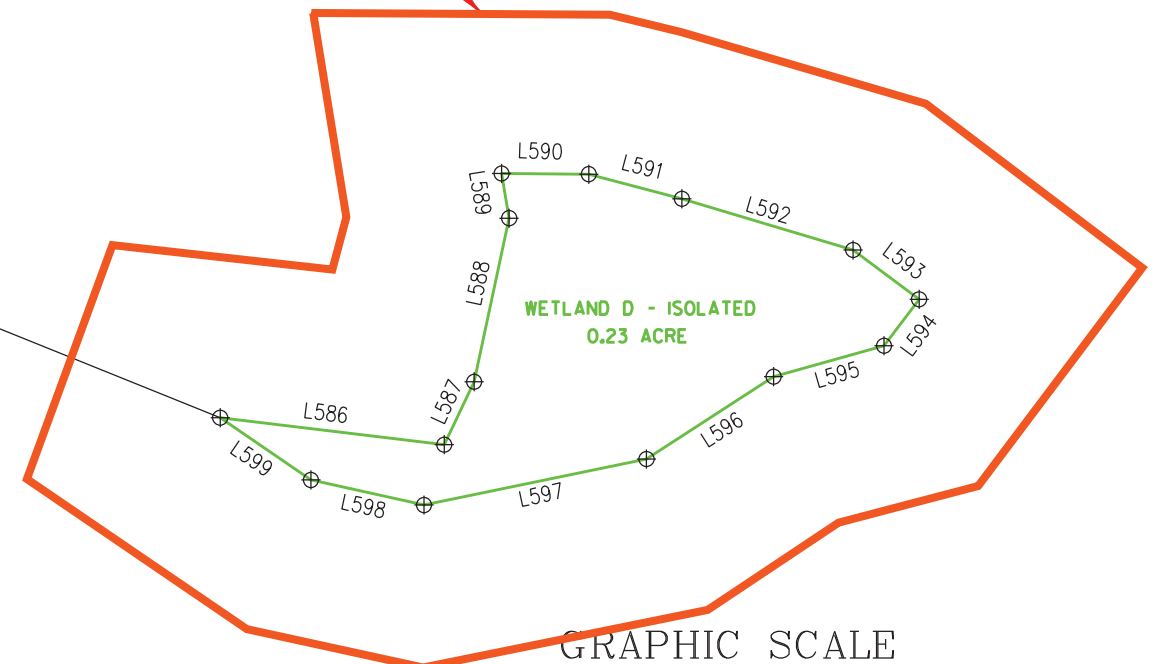


WETLAND P
0.01 ACRE





Approved JD
Review Area



(IN FEET)
1 inch = 60 ft.

PRELIMINARY PLAT OF WETLANDS AND STREAM DELINEATION SURVEY

NEWLIN TOWNSHIP, ALAMANCE COUNTY, NORTH CAROLINA

OWNER(S): SNOW CAMP PROPERTY INVESTMENTS, LLC
30 NORTH GOULD STREET,
SUITE 6408
SHERIDAN, WY 82801

DATE: AUGUST 2, 2018 SCALE: 1" = 60'

DELINEATION BY: WYATT BROWN
BROWN ENVIRONMENTAL GROUP

SHT. 9 OF 10

STREAM 1
2136.33 TOTAL LINEAR FEET

LINE TABLE		
LINE	BEARING	LENGTH
L377	S28°48'18"E	12.53'
L378	S17°29'07"W	60.75'
L379	S38°37'04"E	13.42'
L380	S12°32'10"E	17.68'
L381	S72°12'49"W	34.50'
L382	S24°00'40"W	26.48'
L383	S75°12'12"E	37.13'
L384	S21°16'09"E	19.61'
L385	S06°08'45"W	30.84'
L386	S50°21'33"E	17.13'
L387	S69°40'07"E	46.42'
L388	S10°48'22"E	16.06'
L389	S07°30'00"W	29.59'
L390	S68°37'33"E	24.29'
L391	S12°10'56"E	8.97'
L392	N66°04'11"E	15.57'
L393	N73°53'20"E	16.43'
L394	S68°20'52"E	8.55'
L395	S42°48'20"E	42.99'
L396	S06°18'54"W	30.23'
L397	S84°07'46"E	4.70'
L398	S85°06'59"E	18.39'
L399	S86°21'12"E	19.87'
L400	S79°07'00"E	24.74'
L401	S66°58'45"E	13.00'
L402	S43°23'28"E	20.37'
L403	S25°07'36"E	10.53'
L404	S37°06'35"E	27.60'
L405	S44°16'19"E	7.24'
L406	S26°23'49"E	7.31'
L407	S17°20'44"W	3.59'
L408	N86°42'47"E	27.03'
L409	N76°20'10"E	12.61'
L410	S60°05'14"E	6.82'
L411	S56°53'54"E	24.99'
L412	S19°23'25"E	10.02'
L413	S53°32'26"E	40.48'
L414	N47°05'26"E	27.95'
L415	S16°43'11"E	8.35'
L416	S56°37'56"E	33.91'

STREAM 1
CONTINUED

LINE TABLE		
LINE	BEARING	LENGTH
L417	S24°47'57"E	14.98'
L418	S73°27'39"E	38.83'
L419	S17°26'45"E	6.67'
L420	S84°31'10"E	7.71'
L421	S40°46'51"E	19.79'
L422	S35°34'11"E	7.52'
L423	S43°51'26"E	22.80'
L424	S30°53'54"E	30.83'
L425	N84°39'31"W	18.66'
L426	S00°58'22"E	14.37'
L427	S23°53'58"E	16.79'
L428	S45°24'16"W	6.91'
L429	S13°03'08"W	13.60'
L430	S24°40'37"W	6.37'
L431	S08°10'30"E	6.15'
L432	S47°28'13"E	20.20'
L433	S29°29'26"E	33.37'
L434	S62°02'43"E	14.44'
L435	N59°07'05"E	17.66'
L436	S08°24'47"E	6.16'
L437	S54°23'51"E	38.65'
L438	S53°53'58"E	11.90'
L439	S49°18'37"E	2.81'
L440	S49°29'50"E	13.30'
L441	S35°47'09"E	25.34'
L501	S36°57'00"E	29.99'
L502	S19°56'37"E	15.64'
L503	S17°10'36"E	9.00'
L504	S35°15'59"E	35.93'
L505	S56°05'55"E	23.16'
L506	S59°53'45"E	7.64'
L507	S60°39'08"E	12.80'
L508	S28°29'18"E	4.61'
L509	S17°56'38"W	9.48'
L510	S25°02'10"E	10.04'
L511	S64°36'03"E	25.60'
L512	S37°47'28"E	14.23'
L513	S14°03'37"W	20.18'
L514	S49°43'14"E	33.67'
L515	N63°38'03"E	2.70'

STREAM 1
CONTINUED

LINE TABLE		
LINE	BEARING	LENGTH
L516	S79°36'43"E	10.73'
L517	S53°09'16"E	16.06'
L518	S27°22'37"E	18.75'
L519	S15°50'44"W	10.39'
L520	S12°17'04"E	10.19'
L521	S28°41'05"W	20.49'
L522	S06°30'50"E	30.71'
L523	S33°23'33"E	21.19'
L524	S49°24'36"E	13.15'
L525	S32°14'40"E	6.38'
L526	S11°06'02"W	18.13'
L527	S61°54'05"E	19.00'
L528	S22°15'45"W	31.96'
L529	S62°57'44"E	13.60'
L530	S03°11'54"W	19.50'
L531	S23°59'25"E	12.39'
L532	S25°17'14"W	19.71'
L533	S17°48'52"W	12.41'
L534	S38°56'27"W	18.91'
L535	S12°03'25"W	10.06'
L536	S34°30'59"E	15.19'
L537	S08°14'15"W	78.61'
L574	S76°27'20"W	20.74'
L575	S37°04'51"W	17.12'
L576	S10°07'22"W	74.76'
L577	S03°01'37"W	36.34'
L578	S02°44'35"E	6.00'
L579	S12°13'36"W	24.71'

WETLAND H
FRINGE 0.005 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L442	S12°19'03"W	9.21'
L443	S61°11'29"E	10.71'
L444	N60°39'56"E	19.36'

WETLAND J
FRINGE 0.002 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L445	S71°14'04"E	16.45'
L446	N59°04'13"E	13.31'

WETLAND K
FRINGE 0.01 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L447	S14°26'03"W	35.25'
L448	N83°53'00"E	22.06'
L449	S85°40'31"E	22.80'

WETLAND L
FRINGE 0.004 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L450	S75°37'06"E	27.63'
L451	S07°32'32"E	11.89'

WETLAND M
0.02 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L452	N74°43'52"E	29.80'
L453	S59°46'55"E	12.78'
L454	S11°39'37"W	12.73'
L455	S32°28'08"W	14.83'
L456	N62°34'29"W	32.56'
L457	N02°23'28"W	8.58'

WETLAND N
0.01 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L458	N67°27'01"E	19.92'
L459	S23°22'25"E	32.83'

STREAM 1B
113.68 TOTAL LINEAR FEET

LINE TABLE		
LINE	BEARING	LENGTH
L460	N81°16'52"E	20.83'
L461	S64°31'11"E	11.76'
L462	N74°41'26"E	18.00'
L463	N62°43'33"E	26.34'
L464	N51°26'59"E	5.47'
L465	N73°48'53"E	12.92'
L466	S56°15'48"E	8.20'
L467	N28°48'01"E	10.16'

WETLAND F1
0.18 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L538	N50°31'36"E	9.78'
L539	S48°54'00"E	50.88'
L540	S82°31'51"E	24.00'
L541	N69°01'56"E	32.90'
L542	N77°26'54"E	94.50'
L543	S89°19'40"E	42.54'
L544	N64°18'19"E	58.26'
L545	S20°12'16"E	25.19'
L546	S57°13'37"W	53.96'
L547	N76°11'54"W	75.45'
L548	S62°28'26"W	101.91'
L549	S19°51'54"W	36.02'
L550	S34°05'03"W	10.52'
L551	N28°29'18"W	4.61'
L552	N00°33'19"W	6.60'
L553	N11°37'55"E	20.07'
L554	S87°31'12"W	12.16'
L555	S69°24'09"W	11.37'
L556	S05°09'06"E	11.68'

WETLAND P
FRINGE 0.01 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L557	S74°10'40"E	4.40'
L558	N27°51'15"E	14.47'
L559	S17°13'19"E	18.88'
L560	S28°55'56"W	23.59'

WETLAND B1-B33
0.27 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L468	N43°04'54"E	7.98'
L469	N46°45'34"E	9.19'
L470	N84°55'17"E	51.76'
L471	N52°28'20"E	29.51'
L472	N78°17'33"E	51.13'
L473	N46°29'23"W	33.76'
L474	N60°55'57"E	50.38'
L475	S68°28'18"E	37.07'
L476	N23°05'05"E	52.02'
L477	S64°10'30"E	46.54'
L478	S47°14'40"E	25.93'
L479	S59°02'16"E	31.64'
L480	S08°25'46"E	9.75'
L481	N85°51'00"W	45.93'
L482	N89°51'58"W	20.96'
L483	S80°22'36"W	45.47'
L484	S56°50'44"W	25.96'
L485	N88°43'48"E	24.09'
L486	N87°29'28"E	42.31'
L487	S18°54'05"E	17.25'
L488	N50°41'58"W	22.24'
L489	S76°06'23"W	40.52'
L490	S89°48'37"W	36.86'
L491	N42°37'32"W	30.24'
L492	S57°17'03"W	38.58'
L493	S38°44'51"E	32.85'
L494	S40°57'08"E	23.72'
L495	S80°03'07"W	22.75'
L496	N60°06'49"W	18.83'
L497	N80°58'50"W	63.20'
L498	S77°41'00"W	46.31'
L499	N88°32'42"W	29.58'
L500	N72°34'06"W	2.60'

STREAM 1A
296.18 TOTAL LINEAR FEET

LINE TABLE		
LINE	BEARING	LENGTH
L561	S30°25'48"E	17.71'
L562	S65°47'01"E	22.43'
L563	S50°41'04"E	17.23'
L564	S85°08'26"E	28.78'
L565	N60°16'12"E	12.00'
L566	S49°03'49"E	35.06'
L567	N82°02'38"E	16.57'
L568	S62°31'40"E	23.45'
L569	S51°48'44"E	25.04'
L570	S39°55'59"E	29.96'
L571	S75°48'27"E	16.46'
L572	S34°51'03"E	25.28'
L573	S08°30'20"E	26.21'

WETLAND E
0.05 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L580	S19°55'32"E	20.01'
L581	S85°29'03"E	23.70'
L582	S36°46'38"E	18.81'
L583	S10°08'19"W	28.16'
L584	N86°44'22"W	29.89'
L585	S59°27'57"W	23.28'

WETLAND D
ISOLATED 0.23 ACRE

LINE TABLE		
LINE	BEARING	LENGTH
L586	S06°51'48"W	70.56'
L587	S64°34'52"E	21.77'
L588	S77°55'00"E	52.30'
L589	N80°18'23"E	14.17'
L590	S00°26'45"W	27.25'
L591	S14°49'03"W	30.13'
L592	S16°38'06"W	55.89'
L593	S36°49'18"W	25.72'
L594	N53°01'52"W	18.19'
L595	N15°38'31"W	35.84'
L596	N32°55'10"W	47.35'
L597	N11°41'17"W	71.03'
L598	N12°30'14"E	36.22'
L599	N34°27'32"E	34.40'

PRELIMINARY PLAT OF
WETLANDS AND STREAM
DELINEATION SURVEY

NEWLIN TOWNSHIP, ALAMANCE COUNTY, NORTH CAROLINA

OWNER(S): SNOW CAMP PROPERTY INVESTMENTS, LLC
30 NORTH GOULD STREET,
SUITE 6408
SHERIDAN, WY 82801

DATE: AUGUST 2, 2018 SCALE: 1" = 60'

DELINEATION BY: WYATT BROWN
BROWN ENVIRONMENTAL GROUP

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: **Snow Camp Property Investments, LLC**
(Attn.: Mary McDonald)

File Number: **SAW-2018-01357**

Date: **3/20/2019**

Attached is:

See Section below

<input type="checkbox"/>	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
<input type="checkbox"/>	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
<input type="checkbox"/>	PERMIT DENIAL	C
<input checked="" type="checkbox"/>	APPROVED JURISDICTIONAL DETERMINATION	D
<input checked="" type="checkbox"/>	PRELIMINARY JURISDICTIONAL DETERMINATION	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at or <http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits.aspx> or the Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the district engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

SAW-2018-01357

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

**District Engineer, Wilmington Regulatory Division
attn: David E. Bailey
Raleigh Regulatory Field Office
3331 Heritage Trade Drive, Suite 105
Wake Forest, North Carolina 27587**

If you only have questions regarding the appeal process you may also contact:

**Mr. Jason Steele, Administrative Appeal Review Officer
CESAD-PDO
U.S. Army Corps of Engineers, South Atlantic Division
60 Forsyth Street, Room 10M15
Atlanta, Georgia 30303-8801
Phone: (404) 562-5137**

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Signature of appellant or agent.	Date:	Telephone number:
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For appeals on Initial Proffered Permits send this form to:

District Engineer, Wilmington Regulatory Division, Attn: David Bailey, 69 Darlington Avenue, Wilmington, North Carolina 28403

For Permit denials, Proffered Permits and Approved Jurisdictional Determinations send this form to:

**Division Engineer, Commander, U.S. Army Engineer Division, South Atlantic, Attn: Mr. Jason Steele, Administrative Appeal Officer, CESAD-PDO, 60 Forsyth Street, Room 10M15, Atlanta, Georgia 30303-8801
Phone: (404) 562-5137**

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM**BACKGROUND INFORMATION****A. REPORT COMPLETION DATE FOR PJD:** 3/20/2019**B. NAME AND ADDRESS OF PERSON REQUESTING PJD:** Wyatt Brown, Brown's Environmental Group, Inc**C. DISTRICT OFFICE, FILE NAME, AND NUMBER:**

SAW-2018-01357 (Alamance Quarry and Construction Materials / 520 Clark Road / Snow Camp / Alamance County / commercial)

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:**(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)**

State: NC County/parish/borough: Alamance City: Snow Camp

Center coordinates of site (lat/long in degree decimal format):

Lat.: 35.8710 Long.: -79.4184

Universal Transverse Mercator:

Name of nearest waterbody: UT to Cane Creek

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):☐ Office (Desk) Determination. Date:☒ Field Determination. Date(s): 7/6/2018**TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.**

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
Stream 1	35.873	-79.418	2136 feet	non wetland waters	404
Stream 1A	35.871	-79.417	296 feet	non wetland waters	404
Stream 1B	35.873	-79.418	114 feet	non wetland waters	404
Stream 2	35.872	-79.422	1090 feet	non wetland waters	404
Stream 2A	35.872	-79.421	163 feet	non wetland waters	404
Stream 3	35.868	-79.420	1511 feet	non wetland waters	404

Alamance Quarry (Continued from Preliminary JD)

Site number	Latitude	Longitude	Type of Aquatic Resource	Estimated amount of aquatic resource in review area	Geographic authority to which the aquatic resource "may be" subject
Stream 3A	35.869	-79.420	Non wetland waters	434 feet	404
Stream 3B	35.868	-79.418	Non wetland waters	294 feet	404
Wetland A	35.868	-79.419	wetland	0.45 acres	404
Wetland B	35.867	-79.417	wetland	0.09 acres	404
Wetland C	35.869	-79.417	wetland	0.36 acres	404
Wetland E	35.871	-79.417	wetland	0.05 acres	404
Wetland F	35.871	-79.420	wetland	0.05 acres	404
Wetland F1	35.873	-79.417	wetland	0.18 acres	404
Wetland F/G	35.872	-79.422	wetland	0.03 acres	404
Wetland I	35.869	-79.419	wetland	0.03 acres	404
Wetland AAA	35.868	-79.418	Wetland	0.04 acres	404
Wetland AAAA	35.8681	-79.4171	Wetland	0.06 acres	404
Wetland BB	35.867	-79.417	Wetland	0.35 acres	404
Wetland 1A	35.868	-79.420	Wetland	0.13 acres	404
Wetland H	35.874	-79.419	Wetland	0.005 acres	404
Wetland J	35.874	-79.419	Wetland	0.002 acres	404
Wetland K	35.873	-79.419	Wetland	0.01 acres	404
Wetland L	35.873	-79.418	Wetland	0.004 acres	404
Wetland M	35.873	-79.418	Wetland	0.02 acres	404
Wetland N	35.873	-79.418	Wetland	0.01 acres	404
Wetland B1-B33	35.874	-79.417	Wetland	0.27 acres	404
Wetland P	35.872	-79.417	Wetland	0.01 acres	404
Wetland O	35.868	-79.417	Wetland	0.02 acres	404

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "*may be*" waters of the U.S. and/or that there "*may be*" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- ☒ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:

Map: Aerial, soils, and topo maps (BEG)

- ☒ Data sheets prepared/submitted by or on behalf of the PJD requestor.

☒ Office concurs with data sheets/delineation report.

☐ Office does not concur with data sheets/delineation report. Rationale: _____

☐ Data sheets prepared by the Corps: _____

☐ Corps navigable waters' study: _____

☐ U.S. Geological Survey Hydrologic Atlas: _____

☐ USGS NHD data.

☐ USGS 8 and 12 digit HUC maps.

1:24,000 Crutchfield Crossroads and Snow Camp Quads

☒ U.S. Geological Survey map(s). Cite scale & quad name: _____

☒ Natural Resources Conservation Service Soil Survey. Citation: Alamance Co. Soil Survey

☐ National wetlands inventory map(s). Cite name: _____

☐ State/local wetland inventory map(s): _____

☐ FEMA/FIRM maps: _____

☐ 100-year Floodplain Elevation is: _____ (National Geodetic Vertical Datum of 1929)

☒ Photographs: ☒ Aerial (Name & Date): 2014 Google Earth

or ☐ Other (Name & Date): _____

☐ Previous determination(s). File no. and date of response letter: _____

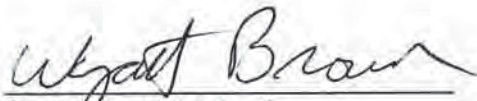
☒ Other information (please specify): LiDAR (NC Floodmaps)

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.



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ou=PR, ou=USA,
cn=BAILEY.DAVID.E.1379283736
Date: 2019.03.20 11:58:25 -04'00'

Signature and date of
Regulatory staff member
completing PJD



Signature and date of
person requesting PJD
(REQUIRED, unless obtaining
the signature is impracticable)¹

7/3/18

¹ Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): November 6, 2018

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Wilmington District, Alamance Quarry and Construction Materials / 520 Clark Road / Snow Camp / Alamance County / commercial, SAW-2018-01357

C. PROJECT LOCATION AND BACKGROUND INFORMATION: The project area is located between Clark Road and Quackenbush Road, approximately 0.5 mile east of Snow Camp Road, in Snow Camp, Alamance County, North Carolina.

The review area for this JD form is limited to the area within the red box labeled "Approved JD Review Area" on the map entitled "Wetlands and Stream Delineation Survey."

State: **North Carolina** County/parish/borough: **Alamance County** City: **Snow Camp**
Center coordinates of site (lat/long in degree decimal format): Lat. **35.8708317761798°N**, Long. **-79.4185532171647° W**
Universal Transverse Mercator: **17 642769.84 3970776.67**

Name of nearest waterbody: **UT to Cane Creek**

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: **N/A**

Name of watershed or Hydrologic Unit Code (HUC): **Haw, 03030002**

☒ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form:

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date:

☒ Field Determination. Date(s): **7/6/2018**

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

☐ Waters subject to the ebb and flow of the tide.

☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

☐ TNWs, including territorial seas

☐ Wetlands adjacent to TNWs

☐ Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs

☐ Non-RPWs that flow directly or indirectly into TNWs

☐ Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

☐ Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs

☐ Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs

☐ Impoundments of jurisdictional waters

☐ Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet, wide, and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

☒ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain: **Wetland labeled "Wetland D - Isolated" on the map entitled "Wetlands and Stream Delineation Survey" is completely surrounded by uplands, with no evidence of surface or subsurface flow from the wetlands to any RPW or**

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

non-RPW. Further, there is no adjacency or ecological connection to any water of the US. This wetland has no hydrologic connection, surface or subsurface, to any jurisdictional waters/wetlands.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW:

Summarize rationale supporting determination:

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is “adjacent”:

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.

☐ Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain:

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

Identify flow route to TNW⁵:

Tributary stream order, if known:

(b) General Tributary Characteristics (check all that apply):

Tributary is: ☐ Natural
☐ Artificial (man-made). Explain:
☐ Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick List**.

Primary tributary substrate composition (check all that apply):

<input type="checkbox"/> Silts	<input type="checkbox"/> Sands	<input type="checkbox"/> Concrete
<input type="checkbox"/> Cobbles	<input type="checkbox"/> Gravel	<input type="checkbox"/> Muck
<input type="checkbox"/> Bedrock	<input type="checkbox"/> Vegetation. Type/% cover:	
<input type="checkbox"/> Other. Explain:		

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: **Pick List**

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**

Estimate average number of flow events in review area/year: **Pick List**

Describe flow regime:

Other information on duration and volume:

Surface flow is: **Pick List**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

☐ Dye (or other) test performed:

Tributary has (check all that apply):

<input type="checkbox"/> Bed and banks	
<input type="checkbox"/> OHWM ⁶ (check all indicators that apply):	
<input type="checkbox"/> clear, natural line impressed on the bank	<input type="checkbox"/> the presence of litter and debris
<input type="checkbox"/> changes in the character of soil	<input type="checkbox"/> destruction of terrestrial vegetation
<input type="checkbox"/> shelving	<input type="checkbox"/> the presence of wrack line
<input type="checkbox"/> vegetation matted down, bent, or absent	<input type="checkbox"/> sediment sorting
<input type="checkbox"/> leaf litter disturbed or washed away	<input type="checkbox"/> scour
<input type="checkbox"/> sediment deposition	<input type="checkbox"/> multiple observed or predicted flow events
<input type="checkbox"/> water staining	<input type="checkbox"/> abrupt change in plant community
<input type="checkbox"/> other (list):	
<input type="checkbox"/> Discontinuous OHWM. ⁷ Explain:	

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

<input type="checkbox"/> High Tide Line indicated by:	<input type="checkbox"/> Mean High Water Mark indicated by:
<input type="checkbox"/> oil or scum line along shore objects	<input type="checkbox"/> survey to available datum;
<input type="checkbox"/> fine shell or debris deposits (foreshore)	<input type="checkbox"/> physical markings;
<input type="checkbox"/> physical markings/characteristics	<input type="checkbox"/> vegetation lines/changes in vegetation types.
<input type="checkbox"/> tidal gauges	
<input type="checkbox"/> other (list):	

(iii) **Chemical Characteristics:**

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

⁶ A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

(iv) Biological Characteristics. Channel supports (check all that apply):

- ☐ Riparian corridor. Characteristics (type, average width):
- ☐ Wetland fringe. Characteristics:
- ☐ Habitat for:
 - ☐ Federally Listed species. Explain findings:
 - ☐ Fish/spawn areas. Explain findings:
 - ☐ Other environmentally-sensitive species. Explain findings:
 - ☐ Aquatic/wildlife diversity. Explain findings:

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:

Properties:

Wetland size: acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

☐ Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

- ☐ Directly abutting
- ☐ Not directly abutting
 - ☐ Discrete wetland hydrologic connection. Explain:
 - ☐ Ecological connection. Explain:
 - ☐ Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) Biological Characteristics. Wetland supports (check all that apply):

- ☐ Riparian buffer. Characteristics (type, average width):
- ☐ Vegetation type/percent cover. Explain:
- ☐ Habitat for:
 - ☐ Federally Listed species. Explain findings:
 - ☐ Fish/spawn areas. Explain findings:
 - ☐ Other environmentally-sensitive species. Explain findings:
 - ☐ Aquatic/wildlife diversity. Explain findings:

3. Characteristics of all wetlands adjacent to the tributary (if any)

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)

Size (in acres)

Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
☐ TNWs: linear feet, wide, Or acres.
☐ Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**
☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
☐ Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- ☐ Tributary waters: linear feet wide.
☐ Other non-wetland waters: acres.
Identify type(s) of waters:

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- ☐ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

☐ Tributary waters: linear feet, wide.

☐ Other non-wetland waters: acres.

Identify type(s) of waters:

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- ☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
- ☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

- ☐ Wetlands directly abutting an RPW where tributaries typically flow “seasonally.” Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- ☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- ☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- ☐ Demonstrate that impoundment was created from “waters of the U.S.,” or
- ☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
- ☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- ☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.
- ☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
- ☐ which are or could be used for industrial purposes by industries in interstate commerce.
- ☐ Interstate isolated waters. Explain:
- ☐ Other factors. Explain:

Identify water body and summarize rationale supporting determination:

Provide estimates for jurisdictional waters in the review area (check all that apply):

☐ Tributary waters: linear feet, wide.

☐ Other non-wetland waters: acres.

Identify type(s) of waters:

⁸See Footnote # 3.

⁹To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

☐ Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- ☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- ☒ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
- ☒ Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
- ☐ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain:
- ☐ Other: (explain, if not covered above):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- ☐ Non-wetland waters (i.e., rivers, streams): linear feet, wide.
- ☐ Lakes/ponds: acres.
- ☐ Other non-wetland waters: acres. List type of aquatic resource:
- ☒ Wetlands: **0.23** acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

- ☐ Non-wetland waters (i.e., rivers, streams): linear feet, wide.
- ☐ Lakes/ponds: acres.
- ☐ Other non-wetland waters: acres. List type of aquatic resource:
- ☐ Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- ☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: **Aerial, soils, and topo maps (Brown's Environmental Group)**
- ☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- ☒ Office concurs with data sheets/delineation report.
- ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps:
- ☐ Corps navigable waters' study:
- ☐ U.S. Geological Survey Hydrologic Atlas:
- ☐ USGS NHD data.
- ☐ USGS 8 and 12 digit HUC maps.
- ☒ U.S. Geological Survey map(s). Cite scale & quad name: **1:24K; Crutchfield Crossroads**
- ☒ USDA Natural Resources Conservation Service Soil Survey. Citation: **Alamance County Soil Survey**
- ☐ National wetlands inventory map(s). Cite name:
- ☐ State/Local wetland inventory map(s):
- ☐ FEMA/FIRM maps:
- ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): **ESRI 2014**
- or ☐ Other (Name & Date):
- ☐ Previous determination(s). File no. and date of response letter:
- ☐ Applicable/supporting case law:
- ☐ Applicable/supporting scientific literature:
- ☒ Other information (please specify): **LiDAR (NC Floodmaps)**

B. ADDITIONAL COMMENTS TO SUPPORT JD:

The review area for this JD form is limited to the area within the orange box labeled "Approved JD Review Area." This JD Form documents an isolated, non-jurisdictional wetland, labeled "Wetland D - Isolated."