



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

Knoxville Environmental Field Office
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January 3, 2018

Dr. Preston Smith
616 Scotswood Circle
Knoxville, TN 37919

Subject: Hydrologic Determination (DWR ID No. 9116)
GEOServices Project No. 24-17866
9608 Westland Drive – LeConte
Unnamed Trib. To Fort Loudoun Reservoir
Knoxville, Knox County, Tennessee

Dear Dr. Smith:

On December 18, 2017 the Division of Water Resources (division) received a jurisdictional waters determination of hydrologic features report conducted by Jason Mann of GEOServices LLC. This report concerns two water features located at 9608 Westland Drive (Map 144, Parcel 32.01) consisting of roughly 7.6 acres, Lat. 35.8760, Long. -84.0925, Knoxville, Knox County, Tennessee. This property is within the Fort Loudoun/Little River watershed and is located on the Bearden USGS 7.5 minute topographic quad map. Please note that all geographic coordinates provided in this letter have a limited precision and should be considered approximate.

Based on the information and documentation submitted and the division's rules and guidance regarding hydrologic determinations, **the division accepts the jurisdictional determination** of the water features as portrayed in the submitted GEOServices LLC report and attached map (Map Attachment, Figure 2 of the GEOServices report). The water features shown in blue on the figure 2 map and labeled as Channel 1 and Channel 2 have been determined to be streams and are listed below:

<u>Water Feature</u>	<u>Starting Coordinates (Lat./Long.)</u>	<u>Ending Coordinates (Lat./Long.)</u>
Channel 1 (Stream)	35.8764/-84.0919 (property line)	35.8758/-84.0926 (property line)
Channel 2 (Stream)	35.8775/-84.0930 (springhead)	35.8760, -84.0925 (confluence)

Please note that only the water features addressed above were assessed during this determination. Any alterations to streams or wetlands may only be performed under the coverage of, and conformance to, a valid Aquatic Resource Alteration Permit (ARAP) issued by the division. ARAP applications and provisions are available on-line at <http://www.tn.gov/environment/article/permit-water-aquatic-resource-alteration-permit>

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If the disturbed area of this project is one acre or greater, coverage under the General NPDES Permit for Stormwater Discharges from Construction Activities (CGP) will be required from this division before any clearing or earth moving activities are started. Information on the construction stormwater permit is available online at <https://www.tn.gov/content/tn/environment/permit-permits/water-permits/npdes-permits/npdes-stormwater-permitting-program/npdes-stormwater-construction-permit.html>. Please be advised that effective erosion prevention and sediment control measures must be used during the construction phase of this project to prevent the discharge of pollutants to waters of the State.

Hydrologic determinations are advised and governed by Tennessee Department of Environment and Conservation (TDEC) rules and regulations, and therefore only apply to the State's permitting process. Because these and other various water features on-site may potentially also be considered jurisdictional Waters of the United States, any alterations to them should only be performed after consultation with the U.S. Army Corps of Engineers.

I appreciate the opportunity to assess the site prior to site plan finalization and initiation of construction activities. Because natural variation and human activities can alter hydrologic conditions, the division reserves the right to reassess the status of the water features in the future.

Thank you for your interest in water quality in Tennessee. If you have any questions or concerns, please feel free to contact me.

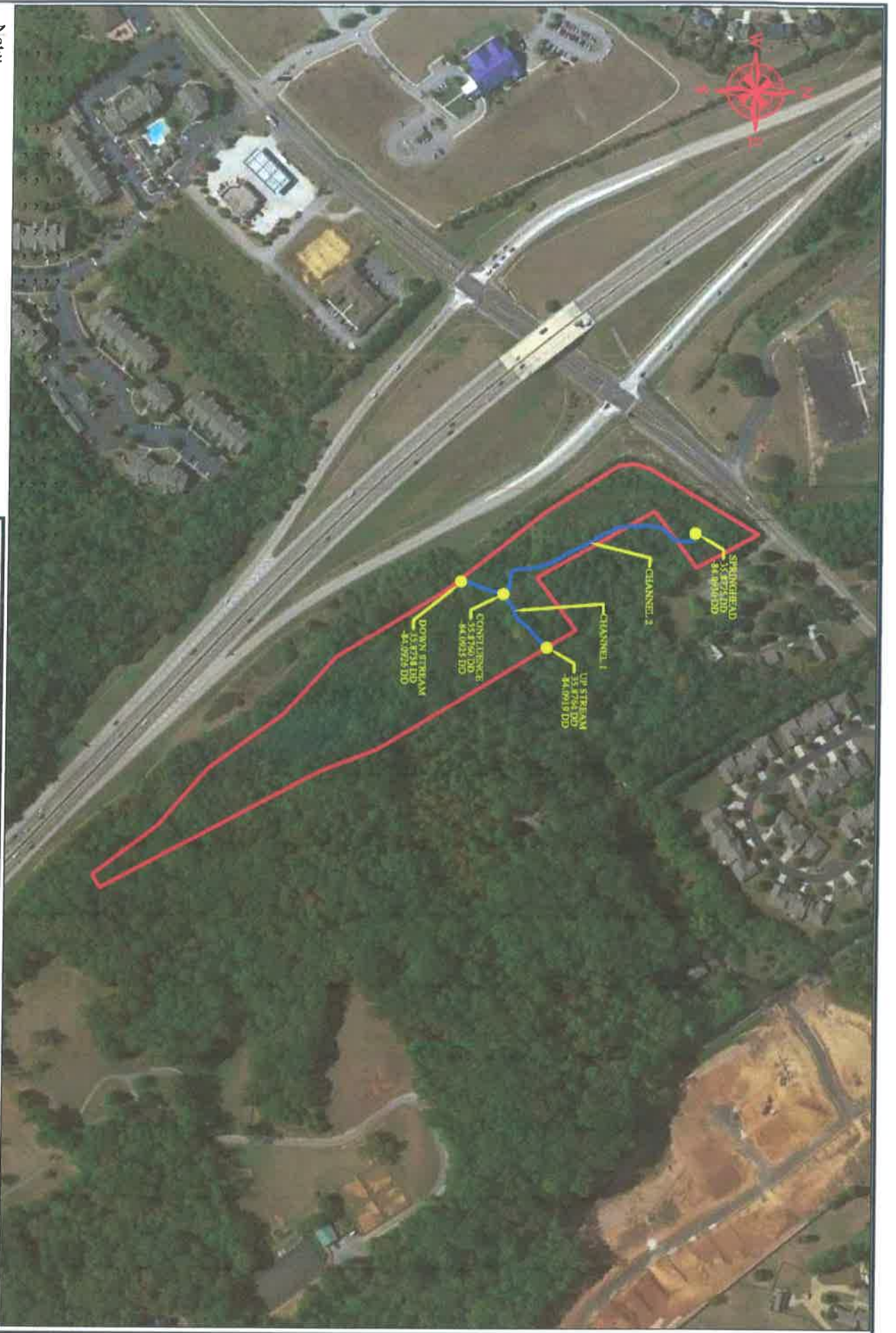
Sincerely,



Christie Renfro
Environmental Scientist
Division of Water Resources

Encl: Figure 2 of the GEOServices HD Report

cc: Division of Water Resources, Knoxville Field Office
Mr. Jason Mann, Environmental Engineer, Project Manager, GEOServices, LLC,
jmann@geoservicesllc.com
Preston Smith, Property Owner, dpsmith@pottymd.com
U.S. Army Corps of Engineers, NashvilleRegulatory@usace.army.mil



Note:

Site boundary and features shown are approximate only.
 Drawing composed from field notes and observations only.

— Subject Property.

SCALE:	NTS
CHECKED BY:	JM
DRAWN BY:	CSG
DATE:	12-12-17

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Geospatial, LIDAR, Surveying and Hydrologic Engineering

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WATER RESOURCE MAP WESTLAND DRIVE STREAM DETERMINATION 9608 WESTLAND DRIVE KNOXVILLE, TENNESSEE	JOB NO: 24-17866
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