

From: <Tony_Banks@dom.com>
To: "Jack Cushing" <JXC9@nrc.gov>
Date: 11/17/05 11:31AM
Subject: Dominion's North Anna wetlands letter

Jack - please see attached pdf file and you should receive a color hard copy tomorrow. The delineation is attached to our letter to COE. Feel free to contact me with any questions.

Thanks,

Tony Banks
Dominion
804/273-2170

(See attached file: 11-05 D to COE wetlands_letter.pdf)

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Subject: Dominion's North Anna wetlands letter
Creation Date: 11/17/05 11:14AM
From: <Tony_Banks@dom.com>

Created By: Tony_Banks@dom.com

Recipients

nrc.gov
owf4_po.OWFN_DO
JXC9 (Jack Cushing)

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owf4_po.OWFN_DO

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nrc.gov

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Options

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Return Notification: None

Concealed Subject: No
Security: Standard

Dominion Nuclear North Anna, LLC
5000 Dominion Boulevard, Glen Allen, VA 23060



November 16, 2005

Regena D. Bronson
U.S. Army Corps of Engineers
Potomac Virginia Field Office
P.O. Box 1704
Leonardtown, MD 20650

Re: Dominion's North Anna Early Site Permit Project

Dear Ms. Bronson:

In response to electronic correspondence from you (May 16, 2005) and recent conversations with you regarding a planned November 23, 2005 meeting, please find enclosed information pertinent to Corps of Engineers wetlands delineation confirmation for the site of the above named project.

The information enclosed addresses property ownership and project description, wetlands delineation results, and topographical references. Specific to USGS topographical reference, the North Anna ESP site is located within the Lake Anna West quadrangle. In addition to the project description attached, the NRC's website link to Dominion's Early Site Permit Application is:

<http://www.nrc.gov/reactors/new-licensing/new-licensing-files/naesp-55.pdf>

One change from the design contents within the original application submittal is that Dominion has decided to cool the proposed new plant with cooling towers rather than once-through water flow from Lake Anna. The ESP site boundary, however, remains the same.

I look forward to meeting with you and Virginia Department of Environmental Quality staff at their Fredericksburg office on November 23 to discuss Dominion's project and steps necessary for future environmental permitting. Feel free to call with questions you may have prior to our meeting.

Sincerely,



Tony Banks, MPH, CHMM
Dominion
ESP Project Lead - Environmental

Enclosures

Enclosures:

1. Property ownership
2. Figure 1.1-1
3. Wetlands Delineation
4. Figure 2.6-2
5. Figure 4.2-1
6. Figure 3.4-8

Cc: Dominion
Jud White
Bob Bisha
Cathy Taylor
George O'Connell
Carter Cooke

VDEQ
Joan Crowther

USNRC
Jack Cushing

PART 1: ADMINISTRATIVE INFORMATION

Chapter 1 Introduction

Dominion Nuclear North Anna, LLC ("Dominion") submits this application for an early site permit (ESP) to the U.S. Nuclear Regulatory Commission (NRC) in accordance with the requirements of Title 10 of the Code of Federal Regulations, Part 52, (10 CFR 52) Subpart A, Early Site Permits. Dominion requests that the NRC issue an ESP to Dominion having a duration of twenty years for the site described herein. The information in this application has been developed to support the issuance of that permit.

The site selected for the ESP is a parcel of land on the North Anna Power Station (NAPS) site in Louisa County, Virginia, approximately 40 miles north-northwest of Richmond, Virginia. Other, existing nuclear facilities licensed by the NRC are located on the NAPS site. Those other facilities are NAPS Units 1 and 2 (Docket Nos. 50-338/339; NRC Facility Operating License Nos. NPF-4/7) and the North Anna Independent Spent Fuel Storage Installation (ISFSI) (NRC Docket No. 72-16; Materials License No. SNM-2507). NAPS Units 1 and 2 have been producing electricity for customers since 1978 and 1980, respectively. The site selected for the ESP, called the ESP site, is located within the NAPS site. It is adjacent to and generally west of the existing units and is illustrated in Figure 1.0-1.

The NAPS site, which includes the existing facilities and the ESP site, is owned by Virginia Electric and Power Company (Virginia Power) and Old Dominion Electric Cooperative (ODEC), as tenants in common. Virginia Power is the licensed operator of the existing facilities, with control of the existing facilities and the authority to act as ODEC's agent. Virginia Power supports this application.

Both Virginia Power and Dominion are direct and indirect wholly-owned subsidiaries, respectively, of Dominion Resources, Inc. (DRI). If Dominion decides to proceed with the development of new nuclear units on the ESP site, it would enter into and obtain, to the extent necessary, appropriate state public utility commission approval(s) of an agreement to purchase or lease the ESP site. Similarly, if Dominion decides to conduct any pre-construction activities authorized by the ESP pursuant to 10 CFR 52.17(c), it would enter into and obtain, to the extent necessary, appropriate state public utility commission approval(s) of site redress or related agreement(s) with Virginia Power, before conducting the activities. The agreement would authorize Dominion to conduct the pre-construction activities and confirm Dominion's obligation to perform any site redress as may be required pursuant to the site redress plan approved by the NRC. Dominion's site redress obligation would be supported by a guaranty provided by its ultimate parent, DRI (see Part 4, Programs and Plans).

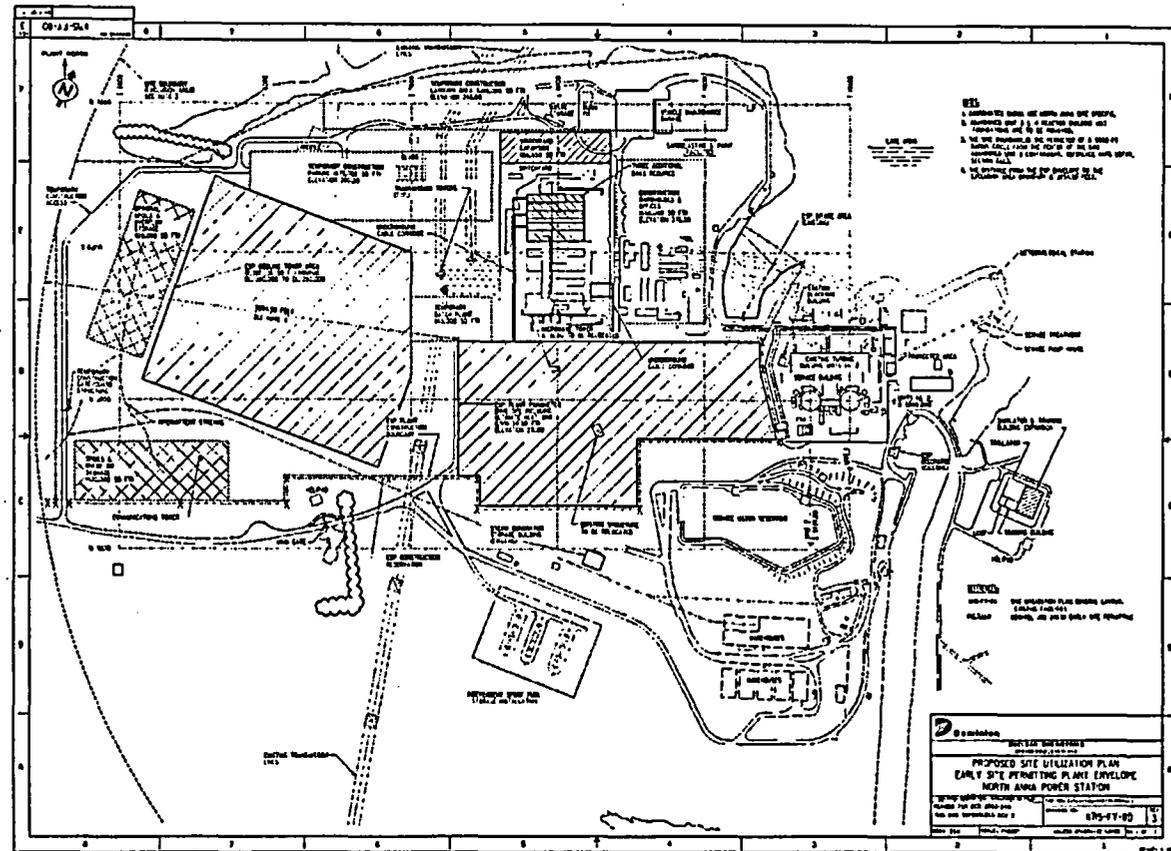


Figure 1.0-1 ESP Site Layout

1.1 Purpose of an Early Site Permit Application

For a commercial nuclear power plant to operate in the United States, it has to obtain a license from the NRC. Over the decades, the NRC and its predecessor agency, the Atomic Energy Commission, have issued more than a hundred operating licenses.

In the past, nuclear power plants were licensed under a two-step licensing process set forth in Part 50 of NRC's regulations. That process required the NRC to first issue a construction permit and later, an operating license. In 1989, the NRC established an alternative licensing process, designated Part 52, that essentially combined the construction permit and operating license processes, with certain conditions, into a single "combined license (COL)." Other licensing actions governed by Part 52 include the ESP, which allows an applicant to obtain approval for a site and "bank" it for future use, and the certified standard plant design, which can be used by an interested applicant as an "off-the-shelf" design already approved by the NRC.

Under Part 52, the NRC can issue an ESP approving one or more sites separate from any other licensing action contained in NRC's regulations. Such permits are valid for ten to twenty years and can be renewed for an additional ten to twenty years.

Site safety issues, environmental issues, and certain aspects of emergency preparedness are addressed as part of the ESP process. Those issues are addressed independent from NRC's review of any specific reactor design. Licensing issues are resolved with finality under the ESP process and are not re-examined in any subsequent licensing action involving the permitted site, absent information meeting certain standards established by the NRC (Reference 1).

Section 1.1 References

1. 10 CFR 52.39, Finality of Early Site Permit Determinations.

North Anna
Early Site Permit Application
Part 3 - Environmental Report

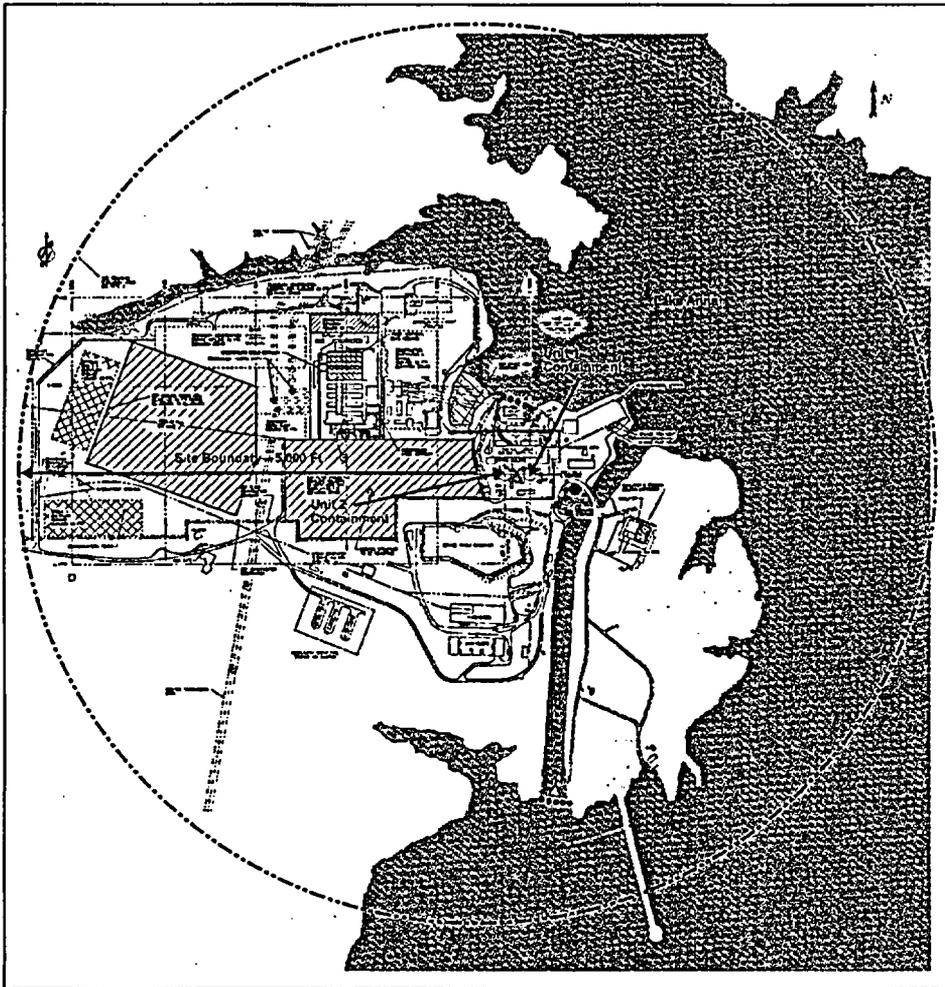


Figure 1.1-1 ESP Site

DAVIS
ENVIRONMENTAL
CONSULTANTS, INC.



To: Tony Banks
Dominion Resources
5000 Dominion Boulevard
Glen Allen, Virginia 23060

From: Doug Davis
Davis Environmental Consultants, Inc.

Date: November 14, 2005

RE: Wetlands Delineation at the North Anna Power Station

Dominion Nuclear North Anna has applied for an Early Site Permit at its North Anna Power Station site to consider expanding its generating facilities into the primarily undeveloped property located to the west of the present plant. To accommodate this development, environmental documentation is ongoing. As part of this documentation, a wetlands delineation was performed in the area of the proposed expansion. The delineation was performed in accordance with the Corps of Engineers 1987 Wetlands Delineation Manual and applicable guidance. The boundaries of wetlands and other waters were flagged in the field with numbers or letters so that each flag could be individually identified. The outside boundaries of wetlands and waters were located by GPS. The location of each GPS routing was carefully chosen to make certain that all areas of wetlands and waters were included within the GPS generated boundaries and at the same time keep the number of GPS located points at a manageable level. Therefore, using this method, it is certain that all areas of wetlands and waters are within the GPS boundary. At the same time, however, significant areas of uplands have also been included within the boundary. This method of locating the delineated wetlands is sufficiently accurate for planning purposes, but can significantly overstate the extent of wetlands. The purpose of this effort is to provide the general location and approximate extent and configuration of wetlands within the proposed expansion footprint. While this method is suitable for planning, we recognize that a more detailed mapping of the delineated wetlands will be necessary for wetland permitting purposes.

The next step in the delineation confirmation process is for Dominion to request that the Corps visit the proposed expansion site with the Dominion staff and Davis Environmental Consultants to confirm: 1) the extent of wetlands and waters as flagged in the field; and 2) that the wetlands and waters on the site are within the GPS generated areas. The delineation is illustrated on the exhibit entitled "Wetlands Identification on the North Anna ESP Project Site", dated July 22, 2005.

Original signed by:

DOUGLAS S. DAVIS

Davis Environmental Consultants, Inc.

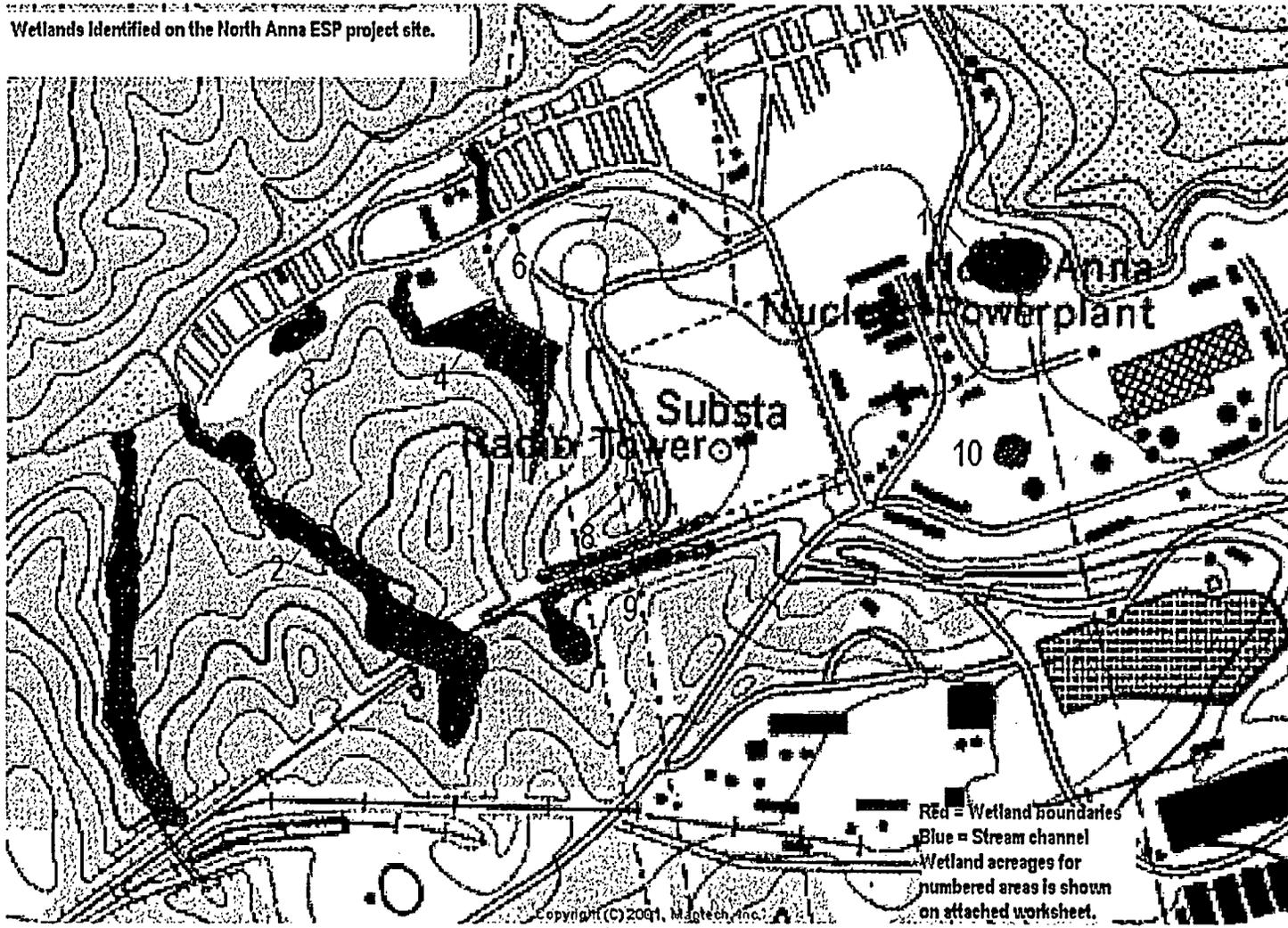
Enclosure

ESTIMATED STREAM LENGTH AND ACREAGE
AT
NORTH ANNA ESP SITE

WETLANDS AREA

#1	1,800 LF 9,000 SF
#2	2,200 LF 11,000 SF
#3	None
#4	300 LF 1,500 SF
#5	375 LF 1,875 SF
#6	None
#7	None
#8	800 LF 4,000 SF
#9	1,000 LF 5,000 SF
#10	None
#11	None

Wetlands Identified on the North Anna ESP project site.



Red = Wetland boundaries
Blue = Stream channel
Wetland acreages for
numbered areas is shown
on attached worksheet.

1 Inch = ~ 500 feet

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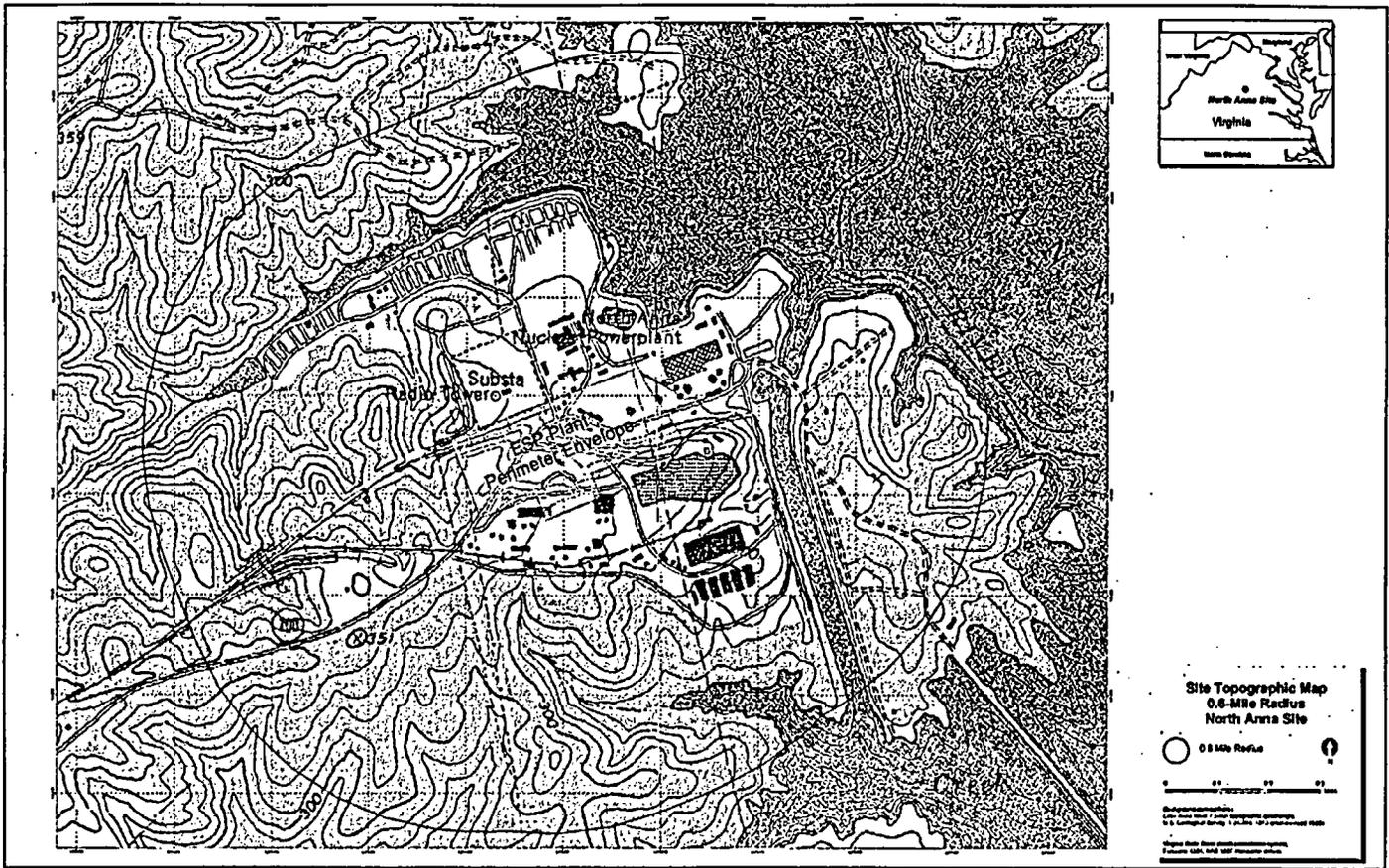


Figure 2.6-2 Site Topographic Map (0.6-Mile Radius)

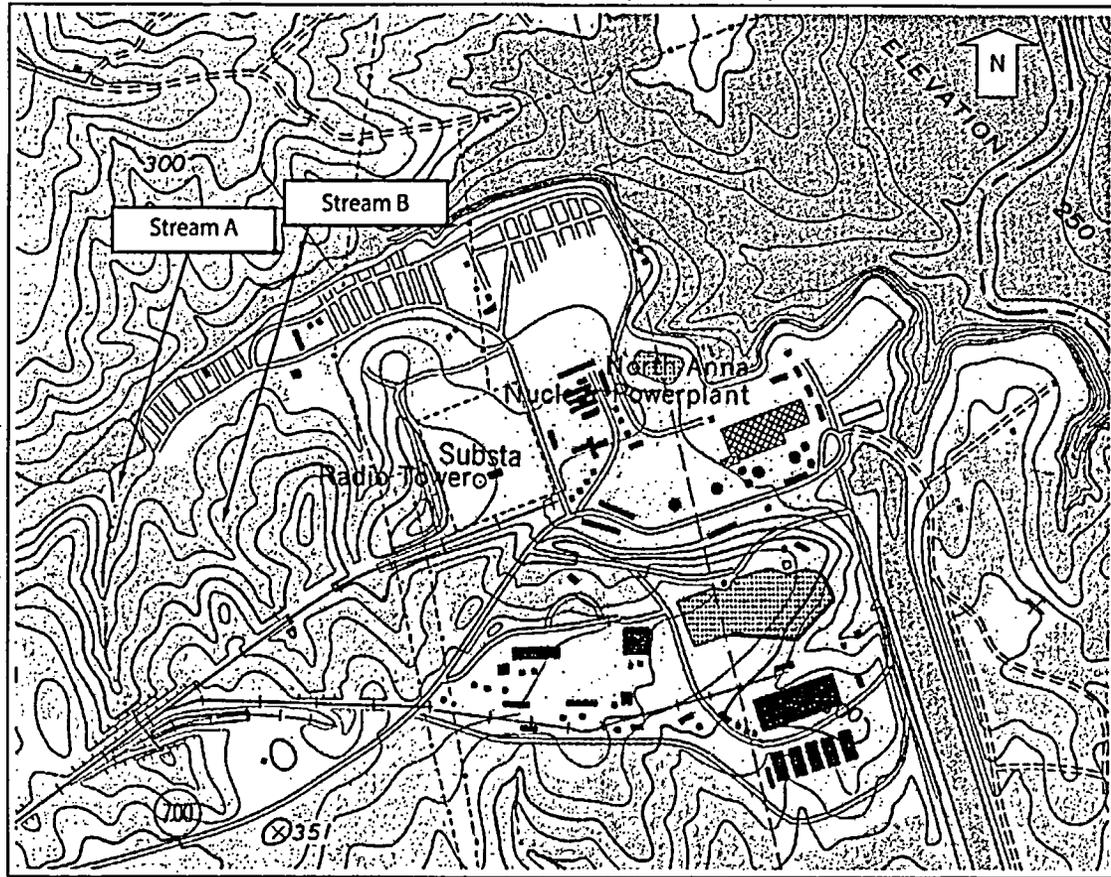


Figure 4.2-1 Ephemeral Stream Locations

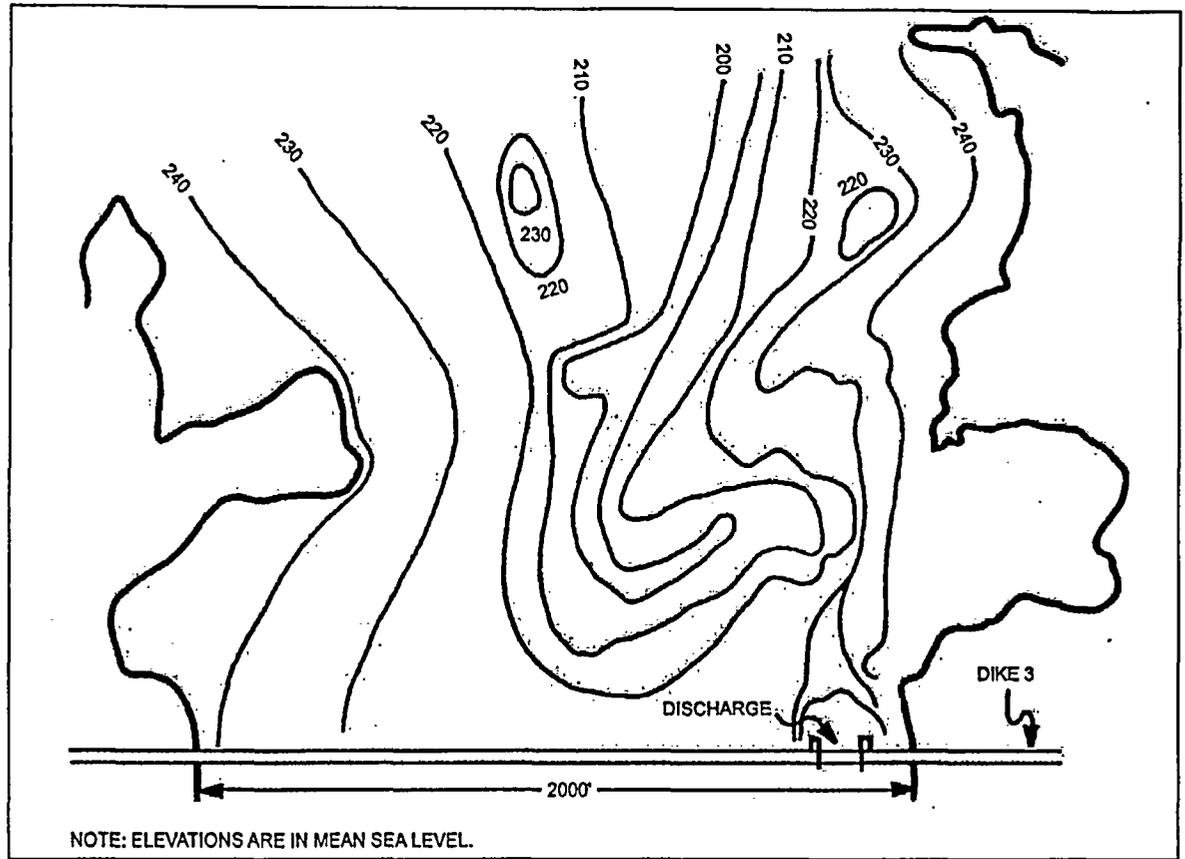


Figure 3.4-8 Location of Discharge Structure In Dike 3 and Bottom Topography of the North Anna Reservoir