

I. INTRODUCTION

A. Facility Description

Kingston Fossil Plant (KIF) is located at the base of a peninsula formed by the Clinch and Emory River embayments of Watts Bar Lake about 2.7 miles above the confluence of the Clinch and Tennessee Rivers in Roane County, Tennessee (see Figure 1). The plant has 9 coal fired units with a total generating capacity of 1600 megawatts. On-site construction of the Kingston Steam Plant began in April 1951. The first unit was placed in commercial operation in February 1954 and the final unit began in December 1955.

B. Operational History

The combustion of coal for the purpose of generating electricity results in the production of by-products that include fly ash and bottom ash. The KIF produces approximately 386,000 cubic yards of ash per year. The present coal ash disposal method at KIF is sluicing fly ash and bottom ash to the active ash pond, which is approximately 100 acres in size and is located east of the three dredge cells. This pond requires periodic hydraulic dredging to maintain compliance with the NPDES Permit free water volume requirement. The ash dredged from this pond has been hydraulically conveyed to settling ponds (dredge cells) west of the active ash pond.

This Closure/Post-Closure Plan is for the Ash Pond Area, including the active ash pond, three dredge cells, and the stilling pool, of approximately 250 acres located northeast of the generating facility.

C. Expected Year Of Closure

The active ash pond receives ash from the powerhouse. The dredge cells receive ash from the active ash pond. The amount of cubic yards of dredged material removed from the active ash pond each year ranges from 120,000 to 440,000 with an average of 285,000 cubic yards to be dredged. On a yearly basis, approximately 386,000 cubic yards of ash are produced at the KIF. It is estimated that a total of approximately 10,200,000 cubic yards of volume is available for ash disposal within the dredge cells, in the dredge cells dikes, and in the ash material required to form the crest of the dredge cell area. Additional ash storage will also be available within the active ash pond.

The actual closure date will be affected by both ash production and ash utilization. However, in accordance with the DSWM solid waste regulations (March 18, 1990) TVA proposes to close this area in accordance with plans contained in this document. The proposed closure date is the year 2015.

D. Facility Contact

The name, address, and telephone number of the TVA contact for Kingston Fossil Plant is as follows:

Plant Manager
Tennessee Valley Authority
Kingston Fossil Plant
P.O. Box 2000
Kingston, TN 37763
(423) 945-7212

As of date of this report, the plant manager is Mr. Nathan Burris.

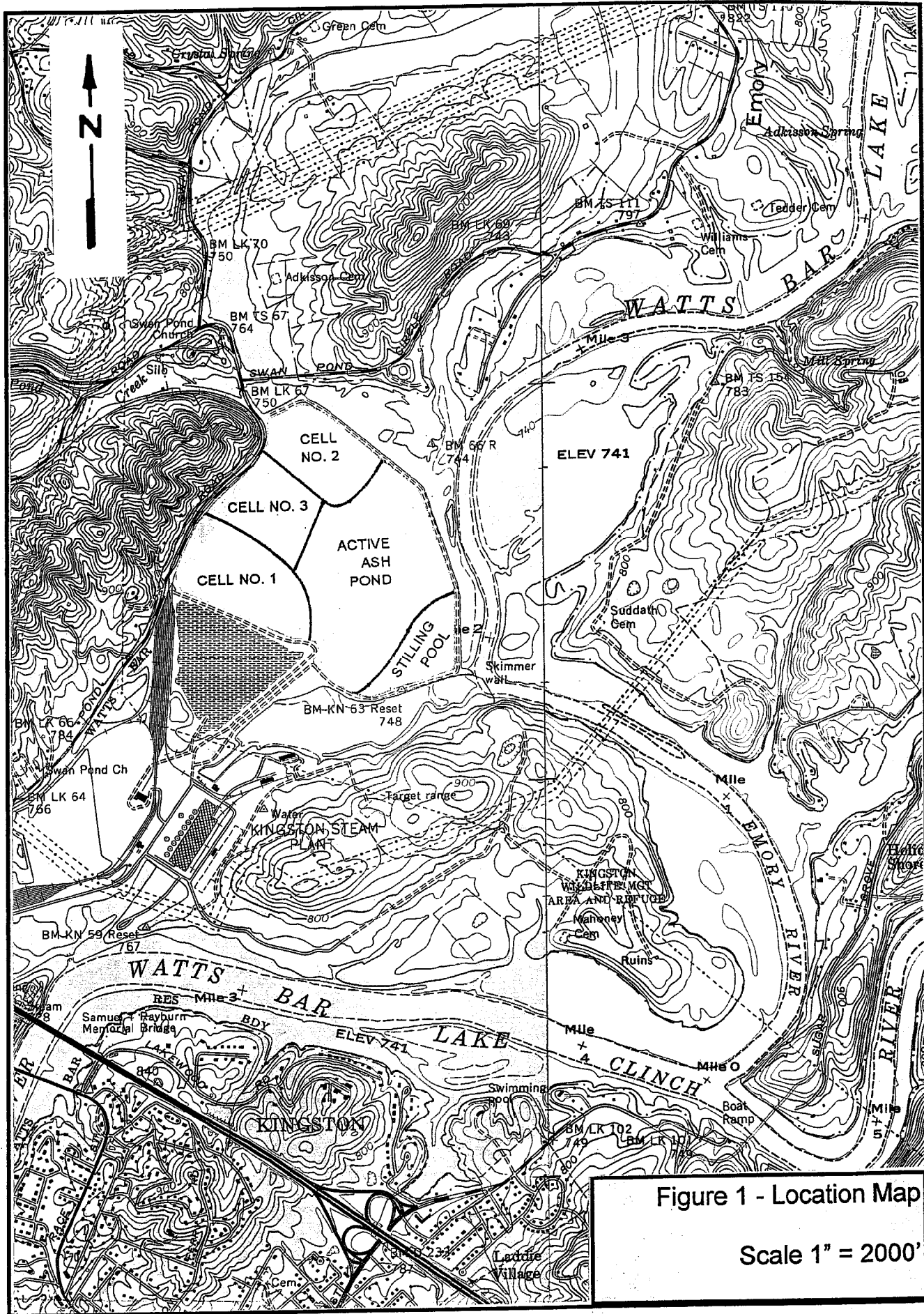


Figure 1 - Location Map
 Scale 1" = 2000'

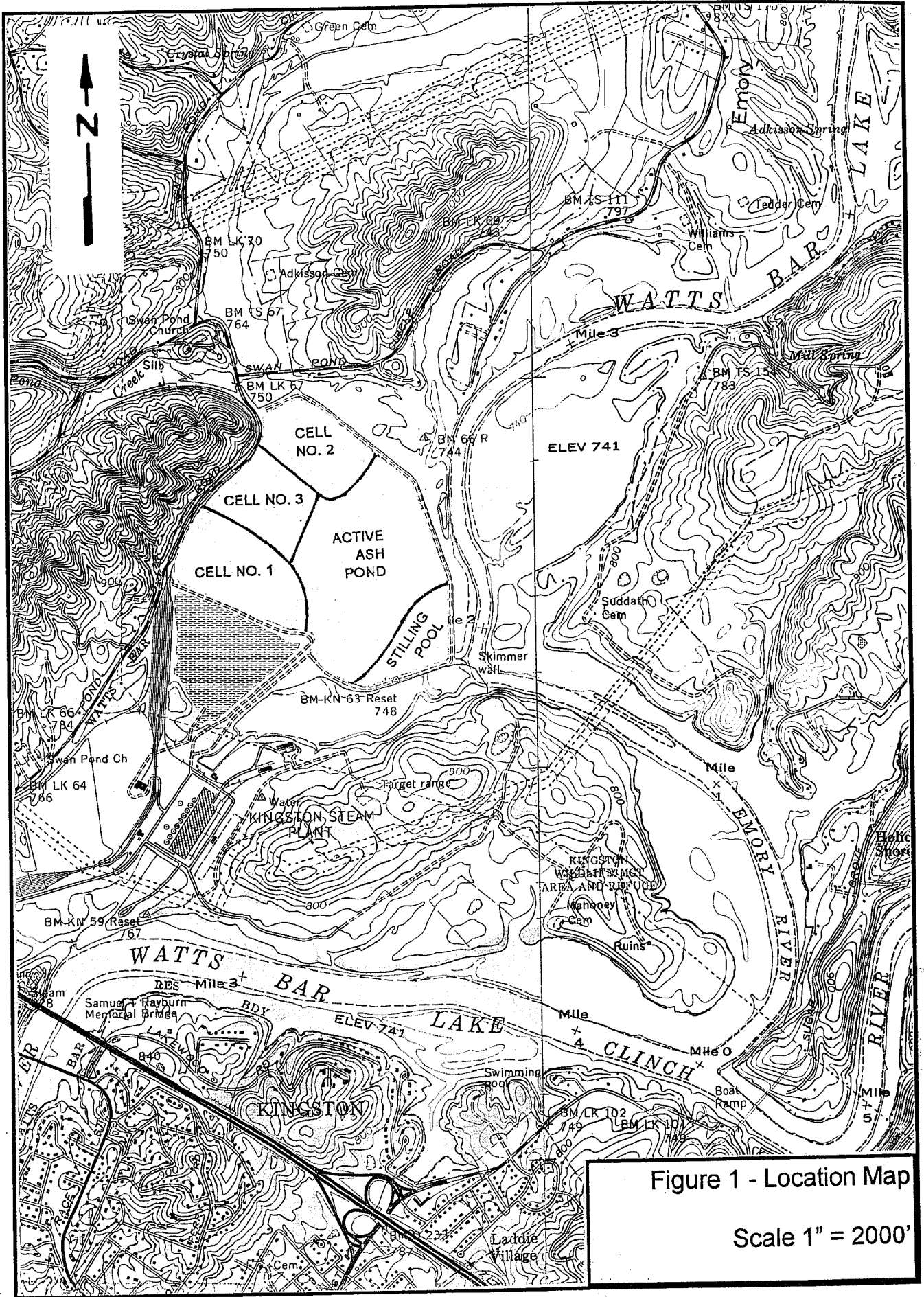


Figure 1 - Location Map

Scale 1" = 2000'