

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
P. O. BOX 621
HONOLULU, HAWAII 96809

REF:WL-EK

DEC - 5 1995

MICHAEL D. WILSON, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTY
GILBERT COLOMA-AGARAN

RECEIVED

'95 DEC 11 P2:36

AQUACULTURE DEVELOPMENT PROGRAM
AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
CONSERVATION AND ENVIRONMENTAL
AFFAIRS
CONSERVATION AND RESOURCES
ENFORCEMENT
CONSERVATION
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

RESOURCES
QUALITY CONTROL

Mr. Gary Gill, Director
Office of Environmental Quality Control
220 South King Street, 4th Floor
Honolulu, Hawaii 96813

Dear Mr. Gill:

**Final Environmental Assessment, Job No. 93-KP-B2
Kokee Exploratory Well No. 0739-03
Kokee State Park, Kokee, Kauai**

Pursuant to Section 2 of the Environmental Impact Statement Rules, transmitted are four (4) copies of the Final Environmental Assessment and Notice of Determination (negative Declaration) for the subject project. Also, attached is a completed OEQC Bulletin Publication Form.

Should you have any questions on this matter, please have your staff contact Mr. Manabu Tagomori of the Water and Land Development Branch at extension 70230.

Aloha,

Michael D. Wilson
MICHAEL D. WILSON

Encl.

171

1995-12-23-KA-FA-Kokee Exploratory Well #

0739-03
DEC 23 1995

FILE COPY

FINAL
ENVIRONMENTAL ASSESSMENT
AND
NEGATIVE DECLARATION

JOB NO. 93-KP-B2
KOOKEE EXPLORATORY WELL NO. 0739-03
KOOKEE STATE PARK
KOOKEE, KAUAI, HAWAII

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
DECEMBER 1995

NOTICE OF DETERMINATION: Negative Declaration

FOR: Job No. 93-KP-B2
Kokee Exploratory Well No. 0379-03
Kokee State Park, Kokee, Kauai

BY: Division of Water and Land Development
Department of Land and Natural Resources

The proposed action will have no significant effect on the environment and therefore does not require the preparation of an Environmental Impact Statement. This Notice of Determination and final Environmental Assessment are being filed as a Negative Declaration.

Final Environmental Assessment
for
Job No. 93-KP-B2
Kokee Exploratory Well No. 0739-03
Kokee State Park
Kokee, Kauai, Hawaii

I. APPLICANT

Division of Water and Land Development
Department of Land and Natural Resources

II. APPROVING AGENCY

Department of Land and Natural Resources

III. AGENCIES CONSULTED

COUNTY OF KAUAI

Department of Water Supply
Planning Department
Department of Public Works
Office of Economic Development

STATE OF HAWAII

Department of Land and Natural Resources
Commission on Water Resources Management
Historic Preservation Division
Division of Forestry and Wildlife
Division of Land Management
Division of State Parks
Division of Aquatic Resources
Division of Conservation and Resources Enforcement
Office of Conservation and Environmental Affairs

IV. GENERAL DESCRIPTION OF THE ACTION'S CHARACTERISTICS

1. Background

The Kokee State Park was originally serviced by a surface water source system pumped from the Elekeninui Stream. However, the surface water was plagued with problems of turbidity and water quality. To solve these problems, and meet safe drinking water standards, two wells were drilled in December 1986 to locate shallow perched ground water sources.

The existing two wells, are located at an elevation of 3,560 ft. above sea level. Well A (0739-01) lies near the intersection of Elekeninui and Elekeniiki Streams and Well B (0739-02) is located approximately 500 feet from the Park's pump house source which lies on the opposite bank of Elekeninui Stream (Exhibits 1 & 2). Well A is the primary source. Well B is the stand-by source with limited water supply and located close to a basalt bank that hit dense basalt 19 feet below the surface. Pumps for the two wells were installed in 1992. All water produced by the wells are pumped, stored and distributed by four storage tanks with a total capacity of 42,000 gallons.

2. **Purpose**

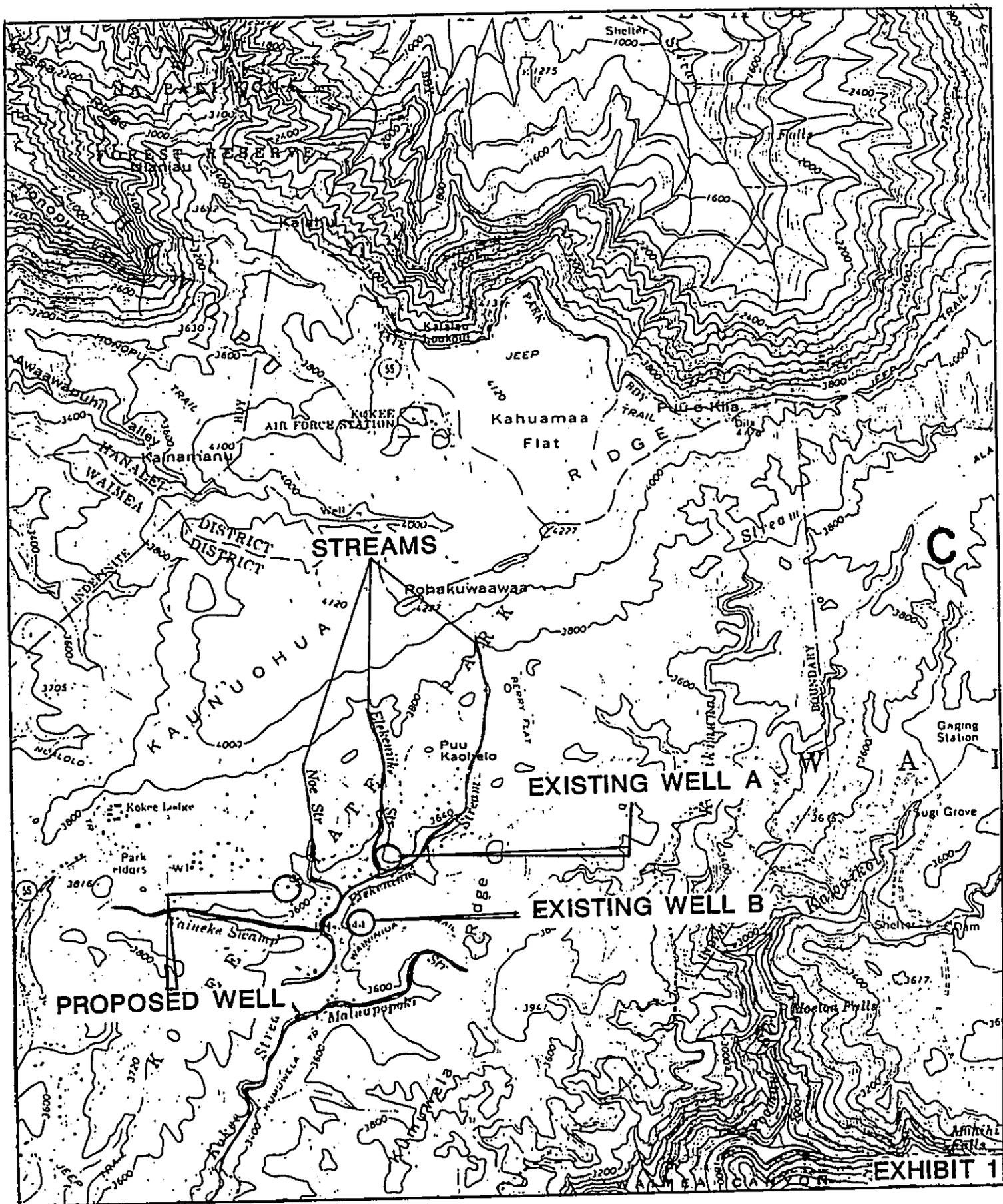
The purpose of the project is to explore for additional groundwater source for the Kokee State Park which is one of the major visitor destination points on the island of Kauai. The existing well A which provides water to the park is inadequate to meet the current potable water needs of the park. The well has been running almost constantly and pumped "dry" on several occasions. This has led to the need for delivery of water by tanker truck during extreme dry periods to avoid park closure. The proposed well, if found successful, will be developed to provide a safe reliable water source to meet the needs for drinking, sanitation and fire protection. A separate environmental assessment will be done for the well development.

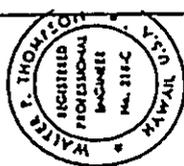
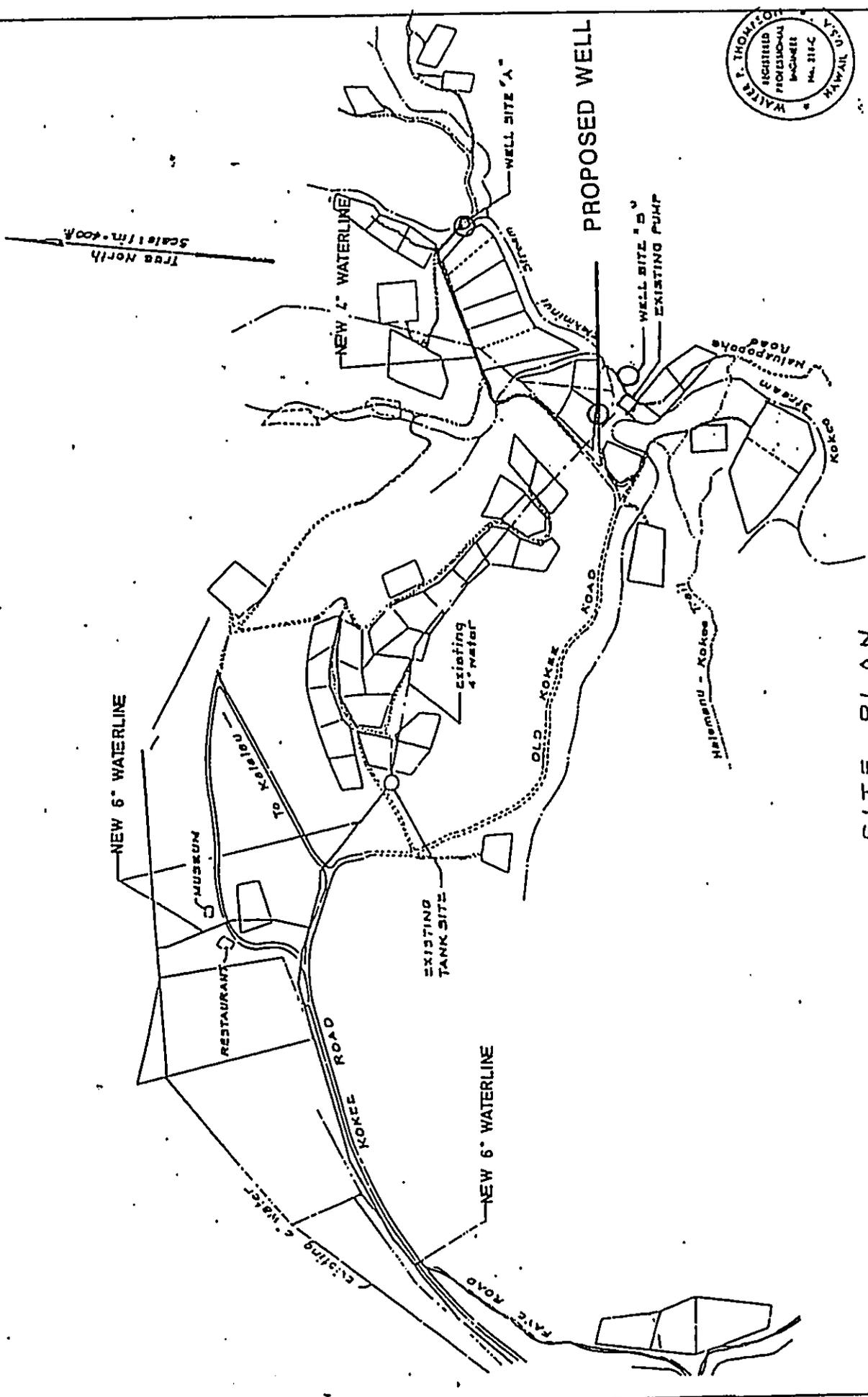
3. **Technical**

The proposed project involves the drilling, casing and testing of 12-inch diameter exploratory well approximately 120 feet deep on Kokee State Park, Kokee, Kauai. If necessary, additional 20 feet of open hole will be drilled to a total maximum depth of approximately 140 feet.

The technical characteristics of the proposed exploratory well are as follows:

Ground Elevation:	±3580 feet
Casing Diameter:	12 inches
Depth of Solid Casing:	±60 feet
Depth of Full Flo Shutter Screen:	±60 feet
Depth of Open Hole:	±20 (as required)
Total Maximum Depth:	±140 feet
Duration of Pump Test:	150 hours
Proposed Pump Test Range:	50 gpm
Length of Project:	180 days
Estimated Construction Cost:	\$73,575.00





THIS WORK WAS PREPARED
 AND IS UNDER MY SUPERVISION
Walter F. Thomason

SITE PLAN
 Kokee State Park
 Scale: 1 in. = 400 ft.

4. **Economic:**

The proposed project site is located within Kokee State Park approximately 4,345 acres of land located in the northwest portion of the Island of Kauai identified by TMK: 1-4-01:13 (Exhibits 3 & 4). The portion of the park to be served consists of approximately 33 buildings, including the Kokee lodge, a picnic pavilion and 12 rental cabins. Records kept by the State of Hawaii Department of Land and Natural Resources indicate that the park is one of the most frequently visited State parks in the state.

Currently, the park has approximately 400,000 visitors per year but prior to Hurricane Iniki, the visitor count was about 1,000,000 per year. We anticipate that the visitor count will slowly rise and place a burden on the existing water supply. The well if develop, will reduce the undue stress being experienced by the existing well and reduce current water shortage. It will provide additional potable water supply that is needed to support current demand and anticipated future increase in visitor count. The construction of the project should be completed in 180 calendar days after receipt of notice to proceed. The construction estimate is \$73,575.00. Funds for this project is available through Act 289, SLH 1993, Item H-6.

5. **Environmental:**

The anticipated environmental impacts will be primarily short-term associated with the construction activities such as the site preparation, drilling, and pump testing. A working pad, approximately 5,000 square feet in area, will be needed for the drilling equipment and material storage. There is an existing roadway which can be used for equipment access.

Use of drilling rig, drilling bits and rods, generators and pipe racks will create temporary dust noise and some deterioration of air quality. Dust, noise and air pollution control provisions will be included in the contract specification. Drilling work will be restricted to eight hours during the day and as specified in Chapter 44B, Public Health Regulations. The test pumping unit shall be electrically or fossil fuel powered and shall be designed sound-proofed so that the test pump will not exceed the noise levels allowed by applicable regulations of the Department of Health.

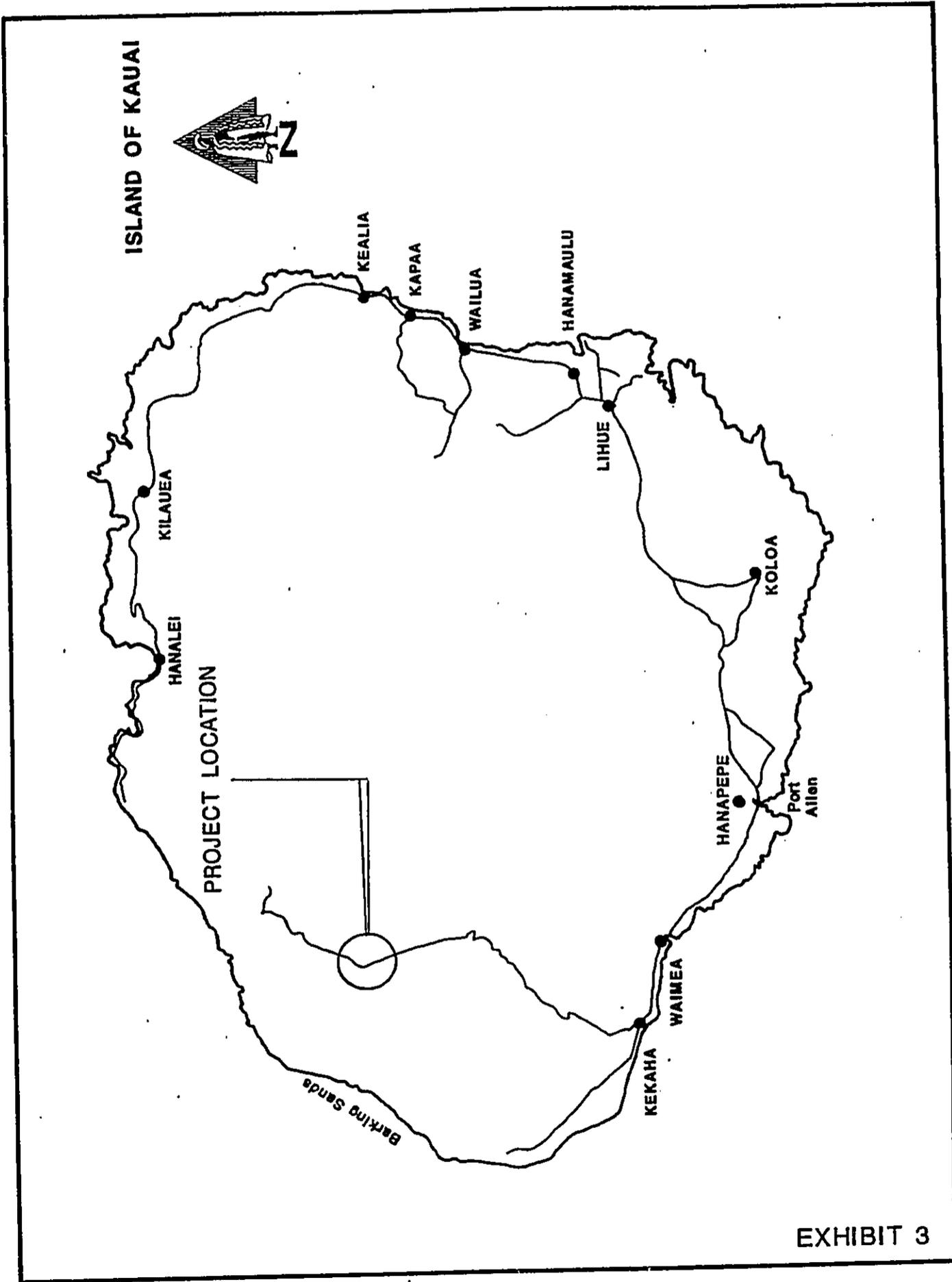
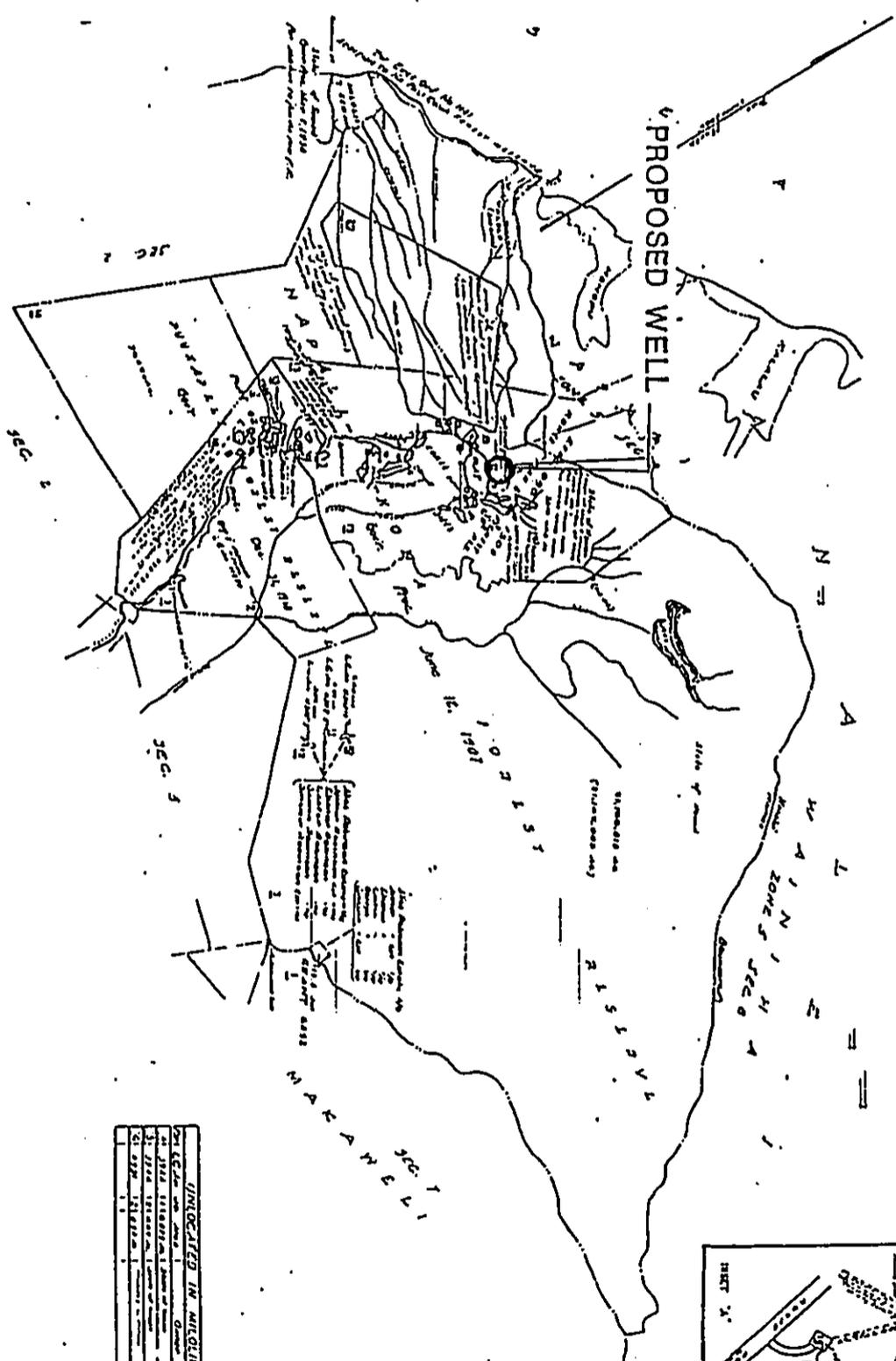


EXHIBIT 3

Date: 1900
 Source: L.H. O'Neil & Co., Inc. Rept.
 By: H.N. L.A.C.

Scale: 1" = 100'
 Contour Interval: 10'
 Projection: UTM
 Datum: Mean Sea Level
 Contour Interval: 10'
 Projection: UTM
 Datum: Mean Sea Level

NAPOLI-KONA FOREST RESERVE, WAHAIKA, KAUAI



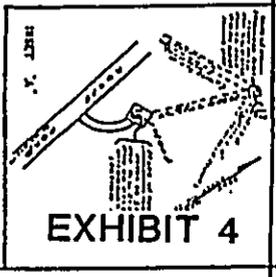
1. Contour Interval 10'
 2. Contour Interval 10'
 3. Contour Interval 10'
 4. Contour Interval 10'
 5. Contour Interval 10'

UNREGISTERED IN MALEKUI

No. 1	...
No. 2	...
No. 3	...
No. 4	...
No. 5	...
No. 6	...
No. 7	...
No. 8	...
No. 9	...
No. 10	...

SUBJECT TO QUINCE

4 29
 Plans Completed
 DEPARTMENT OF LANDS
 TERRITORY OF HAWAII
 TAX MAP
 SHEET 1 SEC. 100
 114101
 CONTAINING
 MAP NO. 114101



After the well has been drilled to the specified depth and cased, a temporary pump assembly will be installed in the well to test the groundwater aquifer for yield and water quality. The pump test will be conducted over a continuous 150 hour period. The rate of discharge from the well shall be controlled by an appropriate valve and measured with an appropriate water meter. The water pumped from the well will be discharged into an existing drainage way or into a drain sump. Impacts of the testing on the water table will be temporary and will cause no undue stress on the basal aquifer.

A U.S. Geological Service hydrologist will be hired before, during and after the pump testing to monitor the impact, if any, to the nearby streams.

The following steps will be undertaken to monitor impacts to the streams before, during and after the pump testing:

1. A small partial flume or existing current meter will be used to monitor the streams.
2. One measurement will be done to each stream before the start of pump test to gather the baseline data of the streams.
3. During pump testing at least 3 selected sections of the streams will be measured to evaluate the effect of the pump testing and the current discharge on the pump. Sections will be selected at the time of measuring.
4. Right after the pump test, selected sections of the streams will be measured to evaluate the recovery of the streams.
5. Stream monitoring will not be done during rainy days.

V. SUMMARY DESCRIPTION OF THE AFFECTED ENVIRONMENT

The proposed well site is located within the Kokee State Park. The park is noted for its many scenic lookouts and beautiful surroundings.

The climate in the area is generally cool and sunny to misty most of the time. Annual annual rainfall in the area is 60 inches. Direct percolation of this rainfall is the source of sustaining the aquifers. Also, the upper mountainous regions of the park do contribute to the recharging of the perched aquifer which is tapped by the well. Temperatures at the park range from approximately 45 to 80 degrees F, with an average of about 65 degrees F.

The terrain in the area is mildly rolling with slopes ranging from 1.5 to 8.0 percent running from the northeast to southwest.

The subject property is owned by the State of Hawaii and administered by the Department of Land and Natural Resources, State Parks Division. By Executive Order 1509 dated May 15, 1952, the government owned lands within the Territorial Forest Reserve was set aside as a Territorial Park to be known as the "Kokee Park". The State Land Use classification is Conservation and it is within Resource Subzone (Exhibit 5).

No endangered, rare, or threatened species of fauna or flora are expected at this site. The project site has been previously disturbed by the construction of Well A, and the distribution pipeline. It is very unlikely that any evidence of significant archeological or historic sites is present. The Historic Preservation Division confirmed that the construction of the proposed project has "no effect" upon significant historic sites. However, if anything of possible significance is found during construction, work will be halted and the Historic Preservation Division will be contacted.

VI. IMPACTS AND ALTERNATIVE CONSIDERED

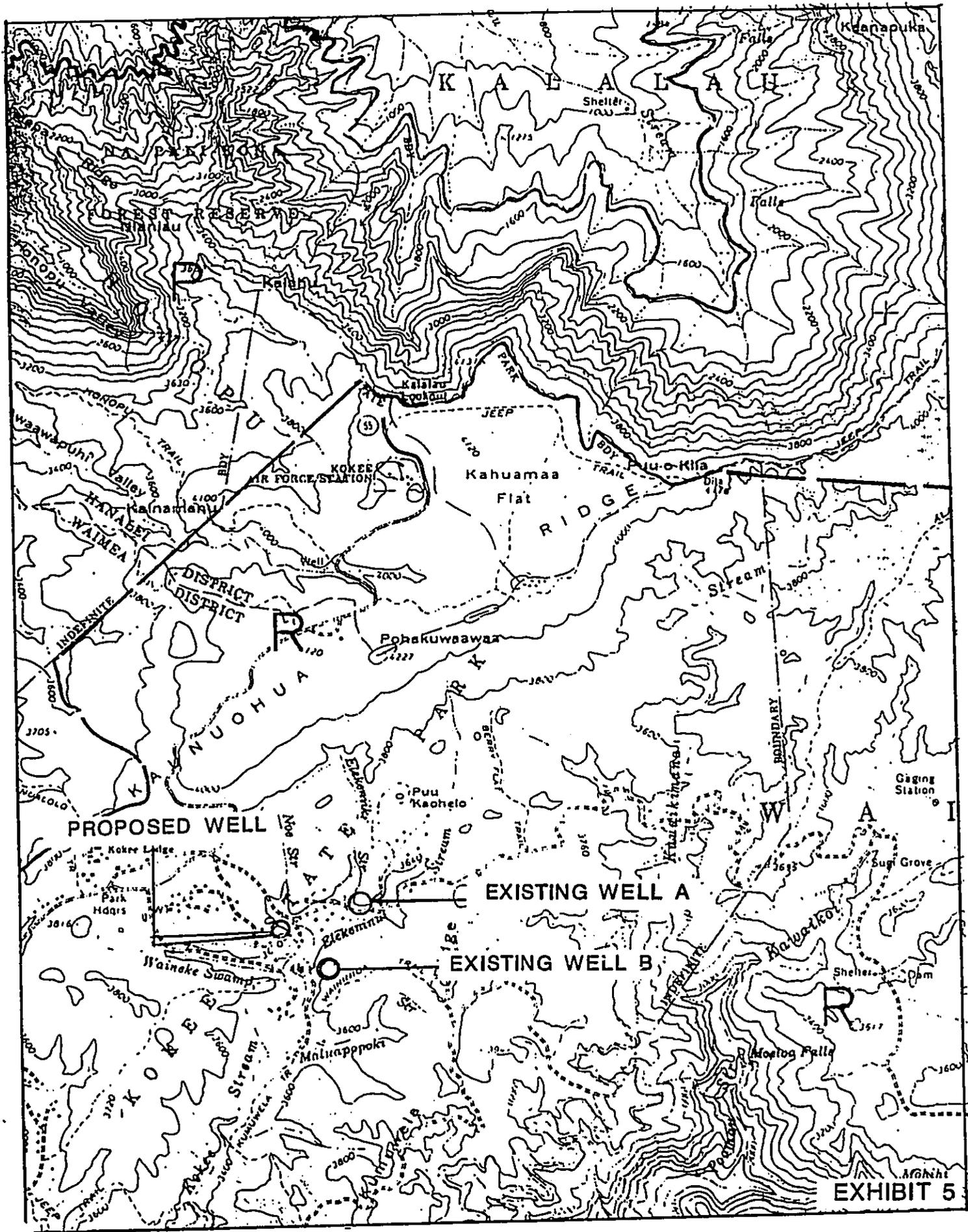
The anticipated environmental impacts will be short-term and primarily from the construction work involved in the site preparation, drilling, and pump testing of the exploratory well. A working pad, approximately 5,000 square feet in area, will be needed for the drilling equipment and storage area.

This construction activities will be guided by applicable County and State Laws, contract documents, and enforced through field inspections. The contractor will be required to comply with relevant Department of Health regulations governing construction noise as specified in Chapter 44B, Public Health Regulations.

There are two possible alternatives to the proposed project: taking no action or finding an alternative site.

The "no action" alternative is not satisfactory since the Kokee water system does not effectively serve the needs of the park. If nothing will be done to improve the water source, the park will always rely on the existing well water source and distribution of water by tanker truck. Inadequate potable water supply might also lead to park closure in the near future.

Alternate sites within the park were considered for the proposed well (Exhibit 6). One is above the Kokee Lodge, but is relatively dry. The second alternative site is approximately 75 feet northeast of Well A. The source of this well is the stream. The stream source does not meet safe drinking water standards due to turbidity and bacterial contamination. Based on the hydrogeologic conditions and the accessibility of hooking up to the main pipeline to the park, the proposed well site was considered to be superior to the alternative sites.



VII. DETERMINATION

In accordance with Chapter 343, Hawaii Revised Status, it is determined that the proposed project would not have any significant adverse effects on the environment. Any potentially negative impacts resulting from the drilling and testing of the Kokee Exploratory Well should be insignificant and temporary. Based on the findings of this Environmental Assessment, an Environmental Impact Statement is not required and this Environmental Assessment is hereby being filed as a Negative Declaration.

REFERENCES

State of Hawaii, Division of Water and Land Development, Engineering Report for New Potable Water Sources, Kokee Park Wells A & B, Kokee, Waimea, Kauai, November 1992.

State of Hawaii, Division of Water and Land Development, Upgrade of Sewage Treatment System for Kokee State Park, Kokee, Kauai, Lange Motonaga and Associates, July 1989.

State of Hawaii, Division of Water and Land Development, Kokee State Park Exploratory Wells A & B, February 1987.

APPENDIX A

**Comments and Responses
to the
Draft Environmental Assessment**

APPENDIX A
SUMMARY OF RESPONSES
TO THE DRAFT ENVIRONMENTAL ASSESSMENT

<u>Date of letter</u>	<u>From/Agency</u>	<u>Date of Response</u>
06/21/95	Kauai Dept of Water	11/16/95
07/10/95 (verbal)	Kauai Planning Dept	11/16/95
07/10/95 (verbal)	Kauai Dept of Public Works	11/16/95
07/10/95 (verbal)	Kauai Office of Economic Development	11/16/95
06/23/95	DLNR-Commission on Water Resources Management	11/29/95
06/21/95	DLNR-Historic Preservation Division	11/15/95
06/13/95 No Comment	DLNR-Land Management	-
05/25/95	DLNR-State Parks Division	11/15/95
06/15/95	DLNR-Aquatic Resources Division	11/15/95
06/15/95	DLNR-Conservation and Resources Enforcement	12/01/95
06/13/95	DLNR-Office of Conservation & Environmental Affairs	11/15/95

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
P.O. BOX 373
HONOLULU, HAWAII 96809

NOV 16 1995

MICHAEL D. WILSON, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTY
GILBERT COLOMA-AGARAN

AQUACULTURE DEVELOPMENT PROGRAM
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HISTORIC PRESERVATION
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

Mr. Murl Nielsen
Manager & Chief Engineer
Department of Water
County of Kauai
P.O. Box 1706
Lihue, Hawaii 96766-5706

Dear Mr. Nielsen:

Draft Environmental Assessment
Job No. 93-KP-B2, Kokee Exploratory Well No. 0739-03,
Kokee State Park, Kokee, Kauai

Thank you for your letter of June 1, 1995, regarding the subject project. We appreciate your input that the Department of Water does not have a domestic water supply system in the area.

Should you have any questions, please contact Mr. Manabu Tagomori of the Water and Land Development Branch in Honolulu at 587-0230.

Sincerely,

A handwritten signature in black ink, appearing to read "Manabu Tagomori".

MANABU TAGOMORI
Chief Engineer

SA:ek

DEPARTMENT OF WATER
COUNTY OF KAUAI
P.O. BOX 1706
LIHUE, HAWAII 96766-5706
PHONE NO: (808) 245-6986 FAX NO. 245-5813

RECEIVED
JUN 5 11:07
DEPARTMENT OF WATER &
ENVIRONMENTAL ASSESSMENT

June 1, 1995

Mr. Manabu Tagomori
DLNR - DOWALD
P.O. Box 373
Honolulu, HI 96809

RE: Draft Environmental Assessment, Job No. 93-KP-D2 Kokee Exploratory Well
No. 0739-03, TMK: 1-4-1:13, Kokee State Park, Kokee, Kauai

We have no objections to this proposed Kokee Exploratory Well drilling. The
Department of Water does not have a domestic water system in this area.

If you have any questions, please call Eddie Doi at 245-5417.


Muri T. Nielsen
Manager & Chief Engineer

ED:dc
correspondence/kokee:dc

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
P.O. BOX 373
HONOLULU, HAWAII 96809

NOV 16 1995

MICHAEL D. WILSON, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

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GILBERT COLOMA-AGARAN

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WATER AND LAND DEVELOPMENT

Mr. Dee Crowell, Director
Kauai Department of Planning
4444 Rice Street
Lihue, Kauai 96766

Draft Environmental Assessment
Job No. 93-KP-B2, Kokee Exploratory Well
Kokee State Park, Kokee, Kauai

Thank you for Mr. Rick Tsuchiya's verbal input on July 10, 1995, that the Department of Planning has no comment for the subject project.

Should you have any questions on this matter, please have your staff contact Mr. Manabu Tagomori of the Water and Land Development Branch in Honolulu at 587-0230.

Sincerely,

A handwritten signature in black ink, appearing to read "Manabu Tagomori".

MANABU TAGOMORI
Chief Engineer

SA:ck

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
P.O. BOX 373
HONOLULU, HAWAII 96809
NOV 16 1995

MICHAEL D. WILSON, CHAIRPERSON
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GILBERT COLOMA-AGARAN

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HISTORIC PRESERVATION
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

Mr. Steve Oliver, Engineer
Kauai Department of Public Works
4398 Pualoke Street
Lihue, Kauai 96766

Draft Environmental Assessment
Job No. 93-KP-B2, Kokee Exploratory Well
Kokee State Park, Kokee, Kauai

Thank you for your verbal input on July 10, 1995, that the Department of Public Works has no comment for the subject project.

Should you have any questions on this matter, please have your staff contact Mr. Manabu Tagomori of the Water and Land Development Branch in Honolulu at 587-0230.

Sincerely,

A handwritten signature in black ink, appearing to read "Manabu Tagomori".

MANABU TAGOMORI
Chief Engineer

SA:ek

7
BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
P.O. BOX 373
HONOLULU, HAWAII 96809
NOV 16 1995

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Mr. Gerald Dela Cruz, Director
Office of Economic Development
County of Kauai
4444 Rice Street
Lihue, Kauai 96766

Draft Environmental Assessment
Job No. 93-KP-B2, Kokce Exploratory Well
Kokce State Park, Kokce, Kauai

Thank you for your verbal input on July 10, 1995, that the Office of Economic Development has no comment for the subject project.

Should you have any questions on this matter, please have your staff contact Mr. Manabu Tagomori of the Water and Land Development Branch in Honolulu at 587-0230.

Sincerely,

A handwritten signature in black ink, appearing to read "Manabu Tagomori", written over a large, stylized loop.

MANABU TAGOMORI
Chief Engineer

SA:ek

DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
Water and Land Development

NOV 29 1995

TO: Rae M. Loui, Deputy Director
Commission on Water Resource Management

THRU: Michael D. Wilson, Chairperson *Michael D. Wilson*
Commission on Water Resource Management

FROM: Dean Uchida, Administrator *Dean Uchida*
Land Management Division

SUBJECT: Draft Environmental Assessment and Well Construction Application
Job No. 93-KP-B2, Kokee Exploratory Well No. 0379-03
Kokee State Park, Kokee, Kauai

Thank you for your memorandum of June 23, 1995 regarding the subject project.

We have verbally coordinated with the U.S. Geological Service and they have agreed to assist us in monitoring Noe and Elekininui streams before, during and after the pump test. Upon completion of the necessary permits, We will request their assistance in writing and a copy of the letter will be forwarded to you.

Mr. Glenn Bauer of your staff and Mr. Iwao Masuoka of the U.S. Geological Service suggested the following methods and steps to be undertaken to monitor impacts to the streams before, during and after the pump test:

1. A small partial flume or an existing current meter to be used to monitor the streams.
2. One measurement to be done at each stream before the start of pump test to gather the baseline data of the streams.
3. During pump testing at least 3 selected sections of the streams to be measured to evaluate the effect of the pump test and the rate of water discharge from the well. Sections to be selected at the time of measuring.
4. Right after the pump test, selected sections of the streams to be measured to evaluate the recovery of the streams.
5. No stream monitoring to be done during rainy days.

We will comply with all applicable Department of Health rules and regulations.

We plan to submit the Final Environmental Assessment to the Office of Environmental Quality Control for publication shortly and a copy of the transmittal letter will be forwarded to you.

Should you have any questions on this matter, please have your staff contact Mr. Manabu Tagomori of the Water and Land Branch at extension 70230.

SA:ek

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 621
HONOLULU, HAWAII 96809

JUN 23 1995

MICHAEL D. WILSON
CHAIRPERSON

ROBERT S. NAKATA
ROBERT G. GIRALD
DAVID A. NOBRIGA
LAWRENCE H. MIKE
RICHARD H. COX

RAE M. LOUI, P.E.
DEPUTY

TO: Mr. Manabu Tagomori, Manager-Chief Engineer
Division of Water and Land Development

FROM: Rae M. Loui, Deputy Director *RML*
Commission on Water Resource Management

SUBJECT: Kokee Exploratory Well (Well No. 0739-03), Kokee State Park,
Kaua'i, Job No. 93-KP-B2

RECEIVED
JUN 23 4:56
COMMISSION ON WATER RESOURCE MANAGEMENT

We have received the Environmental Assessment and Negative Declaration for the captioned project, and offer comments below. We also received your application for a well construction permit, which we will commence processing upon your notification that the comment period under Chapter 343 is complete.

It is our understanding that the subject well would supplement two existing wells in the vicinity, Well "A" (0739-01) between Elekeniiki and Elekeninui Streams at their confluence, and Well "B" (0739-02) downstream and across Elekeninui Stream from the mouth of Waineke Swamp, all headwater tributaries of Kokee Stream. The proposed new well is sited at the confluence of Noe Stream with Elekeninui Stream, below Elekeniiki and above Waineke Streams.

The subject wells tap limited high level groundwater that would otherwise contribute to stream flow. Consequently, additional approvals required from the Commission on Water Resource Management are the pump installation and amendment of the interim instream flow standard. Page 8 of the DEA indicates "A U.S. Geological Service (sic) hydrologist will be hired before, during, and after the pump testing to monitor the impact, if any, to nearby streams." The applicant should list the streams that will be monitored, and describe the scope and methods that will be used to monitor impacts to the streams.

Page 5 indicates that effluent from the drilling operations will be discharged into an existing drainage way or a drain sump. Such discharges may be subject to regulation by the Department of Health, and a written determination from that Department concerning such discharges is recommended.

Cl:ss

DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
Water and Land Development Branch

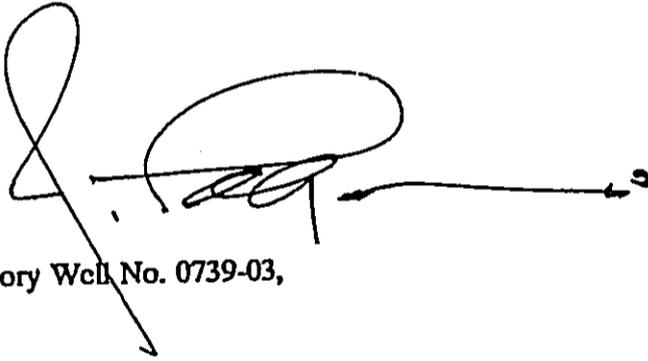
NOV 15 1995

TO: Dr. Don Hibbard, Administrator
Historic Preservation Division

THRU: Dean Uchida, Administrator

FROM: Manabu Tagomori, Chief Engineer

SUBJECT: Draft Environmental Assessment
Job No. 93-KP-B2 Kokee Exploratory Well No. 0739-03,
Kokee State Park, Kokee, Kauai



Thank you for your memorandum of June 21, 1995 regarding the subject project. We appreciate your input that a field check is not needed and the construction of the proposed exploratory well will have "no effect" upon significant historic sites.

Should you have any questions, please have your staff contact Andrew Monden of the Project Development Section at extension 70227.

SA:ek

BENJAMIN J. GAYETANO
GOVERNOR OF HAWAII



STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

STATE HISTORIC PRESERVATION DIVISION
33 SOUTH KING STREET, 6TH FLOOR
HONOLULU, HAWAII 96813

MICHAEL D. WILSON, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

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ENVIRONMENTAL AFFAIRS
CONSERVATION AND
RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
DIVISION
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

June 21, 1995

MEMORANDUM

LOG NO: 18851
DOC NO: 9506CK01

TO: Manabu Tagomori, Manager-Chief Engineer
Division of Water and Land Development

FROM: Don Hibbard, Administrator
State Historic Preservation Division 

SUBJECT: Kokee Exploratory Well No. 0739-03, Kokee State Park
Kokee, Kauai
TMK: 1-4-01:13

This is a follow up on our prior review of this project. We had indicated that a field check by our staff was needed.

Carol Kawachi of our Archaeology Branch consulted with Alan Carpenter, State Parks archaeologist, and Clyde Hosokawa, State Parks planner, as well as with Susie Agraan, DOWALD Project Development and Dennis Imada, DOWALD Design and Construction Branch. Per Mr. Hosokawa, the project site is in a sump and is also adjacent to a fork in the road and thus has been highly disturbed through the years, both naturally and mechanically. Mr. Imada also confirmed that the area is a drainage and is often flooded.

Given this information, it is unlikely that any significant historic sites still remain in the proposed well location site. Thus, we now believe that a field check is not needed. We conclude that construction of the proposed exploratory well will have "no effect" upon significant historic sites.

CK:jen

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION - WATER & LAND DEVELOPMENT

DEC - 1 1995

TO: Mr. Gary Moniz, Acting Administrator
Division of Conservation and Resources Enforcement

THRU: Dean Uchida, Administrator *Uchida*

FROM: *for* Manabu Tagomori, Chief Engineer *Andrew M. Monden*

SUBJECT: Draft Environmental Assessment
Job No. 93-KP-B2, Kokee Exploratory Well No. 0739-03
Kokee State Park, Kokee, Kauai

Thank you for your Site Visit/Field Inspection Report dated June 13, 1995, regarding the subject project.

The tenant's residence is located approximately 1,000 feet away from the proposed project site. Use of drilling rig, drilling bits and rods, generators and pipe racks will create temporary dust, noise and some deterioration of air quality. Dust, noise and air pollution control provisions will be included in the contract specification. Drilling work will be restricted to eight hours during the day and as specified in Chapter 44B, Public Health Regulations. The test pumping unit shall be electrically or fossil fuel powered and shall be designed sound-proofed so that the test pump will not exceed the noise levels allowed by applicable regulations of the Department of Health.

Should you have any questions, please contact Mr. Andrew Monden of the Project Development Section at extension 7-0227.

SA:ek
c: Patrick Kenney - Kauai DOCARE
bc: Design & Constr. Br.

05/30/95

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF CONSERVATION AND RESOURCES ENFORCEMENT

DOCARE-18
(Rev. 1/94)

<SITE VISIT/FIELD INSPECTION REPORT>

BRANCH: -Kauai REPORT IS DUE AT DOCARE ADMIN BY: 06/12/95

RECEIVED
30 JUN 1995 3:22 PM
DEPT. OF LAND AND NATURAL RESOURCES
DIVISION OF CONSERVATION AND RESOURCES ENFORCEMENT
RECEIVED
30 JUN 15 1995

1. CASE DATA

a. FILENUMBER: Kokee Exp. Well 0739-03

b. INITIATOR: DOWALD, DLNR

c. LOCATION: TMK (4) 1-4-01: 13. Within Kokee SP. See attached paperwork

d. SUMMARY: Drill, case, test 12" dia. exploratory well '10' deep *.

e. REMARKS: *If necessary add'1 20' of open hole will be drilled to abt 140'.

2. INSTRUCTIONS FOR OFFICER

Draft E.A.

a. Familiarize yourself with the attached ~~COA~~ paperwork, then conduct an inspection as directed by your Supervisor.

b. Determine if action described in the ~~COA~~ proposal would have any apparent conflict with any statute, rule, or regulation of which you are aware.

c. Attach any pertinent photographs and/or information as exhibits. Return original DOCARE-18 Form and all supporting documents to DOCARE Administrative Office (Attn: Investigator).

3. FILL-IN THE FOLLOWING BLANKS:

a. Branch Report Number (if one is assigned):

b. Time and Date Case Referred to Officer: 1300 hrs 6/5/95

c. Time and Date of Site Visit/Inspection: 0830 6/6/95

d. Had any project work been done? Yes (): No (✓). If "Yes," briefly describe the work:

DLNR
OCEA

RECEIVED
11:00 AM
DOCARE
LIHUE, KAUAI
30 JUN 1995 3:32 PM
30 JUN 1 9 12

6/13/95 ENTERED IN
DATABASE TICKLER.DBF
DOCARE

CONTINUED ON REVERSE

06/13/95

FILENUMBER

NARRATIVE

Kokee Exp. Well 0739-03

The purpose of the project is to explore for an additional groundwater source for the Kokee State Park, which is one of the major visitor destination points on the island of Kauai. The existing well, which provides water to the park, is inadequate to meet the current potable water needs of the park. The well has been running almost constantly and pumped "dry" on several occasions. This has led to the need for delivery of water by tanker truck during extreme dry periods to avoid park closure. A separate environmental assessment will be done for the well development.

The proposed project involves the drilling, casing, and testing of a 12-inch diameter exploratory well approximately 120 feet deep on Kokee State Park, Kokee, Kauai. If necessary, an additional 20 feet of open hole will be drilled to a total maximum depth of approximately 140 feet.

DOWALD requests review and comments. DOCARE-18 Data/Report Forms sent to Kauai DOCARE Branch 05/31/95.

(FOR KAUI DOCARE --- PLEASE ENSURE RETURN OF THIS PAPERWORK TO DOCARE ADMIN (INVESTIGATOR) BY 06/12/95).

FIELD INSPECTION CONDUCTED 06/06/95 BY OFCR KENNEY, BADGE 142. KENNEY REPORTED THAT (1) NO PROJECT WORK HAD YET BEGUN, (2) HE NOTED NO DISCREPANCY IN DOWALD'S DESCRIPTION OF THE SITE CONDITIONS/SITUATION, (3) HE NOTED NOTHING THAT MIGHT COMPRISE A BAR TO EVENTUAL APPROVAL OF THE PROPOSAL, AND (4) HE NOTED THAT THE AREA IS CLOSE TO A RESIDENCE AND THE PROJECT MIGHT CAUSE "DISCOMFORT" TO THE TENANT. DOCARE-18 DATA/REPORT FORM SENT TO OCEA 06/13/95.

*Kenney, Patrick - 1-808-241-2522
State office
3060 Aiwa St.
Lihue, Kauai 96764*

KAUAI DUFAR

ID:808-241-3605

JUN 13 '95 10:51 No.003 P.01

BENJAMIN J. GAYETANO
GOVERNOR OF HAWAII



RECEIVED
DIVISION OF
LAND MANAGEMENT
MAY 25 6 01 AM '95

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
P.O. BOX 373
HONOLULU, HAWAII 96809

MICHAEL D. WILSON, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTY
GILBERT COLOMA-AGARAN

AGRICULTURE DEVELOPMENT PROGRAM
AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
CONSERVATION AND ENVIRONMENTAL
AFFAIRS
CONSERVATION AND RESOURCES
ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

RECEIVED
JUN 14 AM 10
DIV. OF WATER &
LAND DEVELOPMENT

TO: Division of Forestry and Wildlife
Division of Historic Preservation
Division of Land Management
Division of State Parks
Division of Aquatic Resources
Division of Conservation and Resource Enforcement

FROM: *for* Manabu Tagomori, Manager-Chief Engineer *A. Monden*

SUBJECT: Draft Environmental Assessment, Job No. 93-KP-B2
Kokee Exploratory Well No. 0739-03, Kokee State Park
Kokee, Kauai

Transmitted for your review and comments is a copy of the Draft Environmental Assessment for the subject exploratory well. May we please have your written comments by June 15, 1995, otherwise, we will assume that you have no comments or objections to this request.

Should you have any questions, please call Mr. Andrew Monden of the Project Planning Section at Extension 7-0260.

SA:lk
Enclosure

NO COMMENTS/COMMENTS:

Date:

6/13/95

NO COMMENTS OR
OBJECTIONS

BY:

M. D. P. Party

DLNR-DLM-KAUAI

DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
Water and Land Development Branch

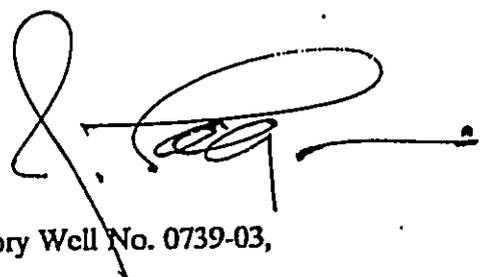
NOV 15 1995

TO: Mr. Ralston Nagata, Administrator
Division of State Parks

THRU: Dean Uchida, Administrator

FROM: Manabu Tagomori, Chief Engineer

SUBJECT: Draft Environmental Assessment
Job No. 93-KP-B2, Kokee Exploratory Well No. 0739-03,
Kokee State Park, Kokee, Kauai



Thank you for your memorandum of May 25, 1995 regarding the subject project. We appreciate your support for the project.

Should you have any questions, please contact Andrew Monden of the Project Development Section at extension 70227.

SA:ek

BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII

RECEIVED
DIVISION OF
STATE PARKS
MAY 25 8 39 AM '95



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
P.O. BOX 373
HONOLULU, HAWAII 96809

1456

MICHAEL D. WILSON, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTY
GILBERT COLOMA-AGARAN

AQUACULTURE DEVELOPMENT PROGRAM
AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
CONSERVATION AND ENVIRONMENTAL
AFFAIRS
CONSERVATION AND RESOURCES
ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

TO: Division of Forestry and Wildlife
Division of Historic Preservation
From: Division of Land Management
Division of State Parks
Division of Aquatic Resources
Division of Conservation and Resource Enforcement

TO
FROM: for Manabu Tagomori, Manager-Chief Engineer *A. Monden*

SUBJECT: Draft Environmental Assessment, Job No. 93-KP-B2
Kokee Exploratory Well No. 0739-03, Kokee State Park
Kokee, Kauai

TO:
___ ADMINISTRATOR
___ ASST. ADMIN.
___ DEV. BR.
___ PLAN BR.
___ RES. MGT. BR.
___ PROJ. CONTROL
___ SW. REC. PLAN.
___ CLERICAL STAFF
___ ADMIN. ASST.
___ INTERP. BR.
FOR:
___ CIRCULATE/POST/STAFF RM
___ COMMENTS & REC.
___ DRAFT REPLY
___ FILE
___ FOLLOW UP
___ INFO.
___ RUSH (DUE _____)
___ SEE ME
___ SEND COPY TO: _____

Transmitted for your review and comments is a copy of the Draft Environmental Assessment for the subject exploratory well. May we please have your written comments by June 15, 1995, otherwise, we will assume that you have no comments or objections to this request.

Should you have any questions, please call Mr. Andrew Monden of the Project Planning Section at Extension 7-0260.

SA:lk
Enclosure

RECEIVED
MAY 25 12: 38
DIV. OF WATER & LAND DEVELOPMENT

NO COMMENTS/COMMENTS:

Date: 5/25/95

We fully support this project to develop a reliable water source for consumption, sanitation

BY: *[Signature]*

DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
Water and Land Development Branch

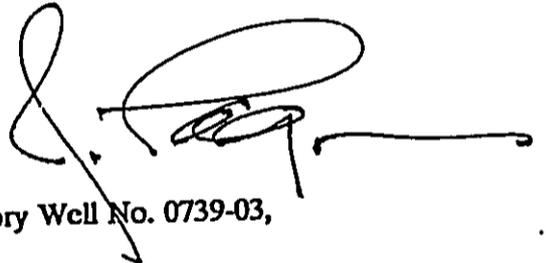
NOV 15 1995

TO: Mr. William Devick, Acting Administrator
Division of Aquatic Resources

THRU: Dean Uchida, Administrator

FROM: Manabu Tagomori, Chief Engineer

SUBJECT: Draft Environmental Assessment
Job No. 93-KP-B2, Kokee Exploratory Well No. 0739-03,
Kokee State Park, Kokee, Kauai



Thank you for your memorandum regarding the subject project. The following measures will be undertaken by the contractor to minimize erosion and siltation during construction:

1. Site work will be scheduled during periods of minimal rainfall.
2. Lands denuded of vegetation will be replanted or covered as quickly as possible to control erosion.
3. Construction materials, petroleum products, and debris will be prevented from falling, blowing, or leaching into the environment.
4. Water from drilling and testing will be filtered to remove sediments before discharging into the existing drainage ways or drain sumps.

Should you have any questions, please contact Andrew Monden of the Project Development Section at extension 70227.

SA:ek

SUSPENSE DATE: 6/15/95

STATE OF HAWAII
Department of Land and Natural Resources
DIVISION OF AQUATIC RESOURCES

MEMORANDUM

TO: William Devick, Aquatic Res. & Env. Protection *WJD*
FROM: Annette Tagawa, Aquatic Biologist
SUBJECT: Comments on Draft Environmental Assessment
Comments Mr. Andrew Monden for Mr. Manabu Tagomori
Requested By DLNR-Division of Water and Land Conservation
Date of Request 5/25/95 Date Received 5/25/95

Summary of Project

Title: Kokee Exploratory Well No. 0739-03 (DEA)
Project By: DLNR-Div. of Water and Land Development
Location: Kokee State Park, Kokee, Kauai

Brief Description:

The applicant proposes to drill, case, and test an exploratory water well at Kokee State Park. The purpose of the project is to explore for additional groundwater source for the Kokee State Park which is one of the major visitor destination points on the island of Kauai. The proposed well, if found successful, will be developed to provide a safe reliable water source to meet the needs for drinking, sanitation and fire protection. This will reduce the undue stress being experienced by the existing well and reduce current water shortage. Water pumped from the exploratory well will be discharged into an existing drainage way or into a drain sump.

The proposed project involves the drilling, casing, and testing of a 12-inch diameter exploratory well approximately 120 feet deep on Kokee State Park. If necessary, additional 20 feet of open hole will be drilled to a total maximum depth of approximately 140 feet. The water pumped from the well will be discharged into an existing drainage way or into a drain sump.

Comments:

The proposed project is not expected to have significant adverse impact on aquatic resource values in the area. However, the Division is concerned because the project site is located within the vicinity of Noe, Eleniiki, Elekeninui, and Kokee Streams which are tributaries of the larger Waimea River system. Although native freshwater fauna do not appear to exist in these areas, these streams do harbor a number of exotic and introduced species. Therefore, construction activities could have potential *short-term* impacts on aquatic resources such as temporary turbidity, biota displacement and disturbance.

We would suggest the following measures (as an inclusion) to minimize erosion and siltation during construction:

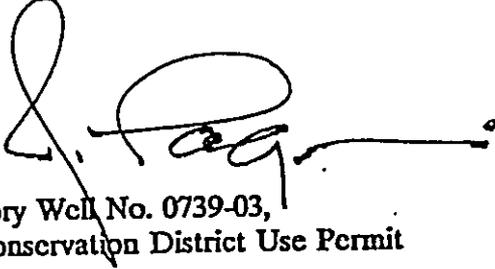
- 1) site work be scheduled for periods of minimal rainfall.
- 2) lands denuded of vegetation be replanted or covered as quickly as possible to control erosion;
- 3) construction materials, petroleum products, and debris should be prevented from falling, blowing, or leaching into the aquatic environment and;
- 4) filter and remove sediments from drill and test water before discharging into existing drainage ways or drain sumps.

DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
Water and Land Development Branch

NOV 15 1995

TO: Mr. Roger C. Evans, Administrator
Conservation and Environmental Affairs Branch

THRU: Dean Uchida, Administrator

FROM: Manabu Tagomori, Chief Engineer 

SUBJECT: Draft Environmental Assessment
Job No. 93-KP-B2, Kokee Exploratory Well No. 0739-03,
Kokee State Park, Kokee, Kauai, Conservation District Use Permit

Thank you for your memorandum of June 13, 1995 regarding the subject project. We appreciate your input that a Conservation District Use Permit is not required for the subject project. We will send you a copy of the Final Environmental Assessment and Notice of Determination (Negative Declaration) once the process is completed pursuant to the Title 11, Chapter 200, Hawaii Administrative Rules.

Should you have any questions, please have your staff contact Andrew Monden of the Project Development Section at extension 70227.

SA:ek

BENJAMIN J. CAYETANO
Governor of Hawaii



Chairperson
MICHAEL D. WILSON
Board of Land and Natural Resources

Deputy Director
GILBERT COLOMA-AGARAN

STATE OF HAWAII JUN 14 11:05
DEPARTMENT OF LAND AND NATURAL RESOURCES

REF:OCEA:TES

P. O. Box 621
Honolulu, Hawaii 96809

File No.: 95-570

JUN 13 1995

Aquaculture Development
Aquatic Resources
Boating and Ocean Recreation
Bureau of Conveyances
Conservation and Environmental Affairs
Conservation and Resources Enforcement
Forestry and Wildlife
Historic Preservation
Land Management
State Parks
Water and Land Development

MEMORANDUM

TO: Manabu Tagomori, Manager and Chief Engineer
Division of Water and Land Development

FROM: Roger C. Evans, Administrator
Office of Conservation and Environmental Affairs

SUBJECT: Proposed Kokee Exploratory Well No. 0739-03 (Job No.
93-KP-B2), Kokee State Park, Kokee, Kauai,
TMK: 1-4-01: por. 13

We have reviewed your memorandum regarding the subject project received on May 24, 1995, and confirm that a Conservation District Use Permit (CDUP) will not be required.

Following the final significance determination by your division pursuant to the Title 11, Chapter 200, HAR, will can proceed with the approval of the construction plans for this project.

Please feel free to call me or Steve Tagawa of my staff at 587-0377, should you have any questions.

ST:tes