

D. MAKANO

GEOHERMAL DEVELOPMENT  
AND COMMUNITY CONCERNS

\*\*\* A Seminar \*\*\*

at the  
Kahului Library Conference Room  
Thursday, August 15, 1985  
6:30 to 9:30 p.m. ✓

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The Board of Land and Natural Resources has designated a 4,108 acre area on the Southwest Rift of Haleakala as a geothermal subzone. To inform the public about geothermal development and its potential effects on Maui, a seminar will be held on August 15, 1985, at the Kahului Library Conference Room from 6:30 to 9:30 p.m. There will be brief talks on different aspects of the geothermal issue followed by a question and answer period. Please join us.

OPENING REMARKS

Mayor Hannibal Tavares

DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

Takeshi Yoshihara

COUNTY PERMITTING PROCESS

Ralph Masuda

LAND USE LAWS AND THE PERMITTING PROCESS

Kenneth Kupchak

POTENTIAL DRILLING LOCATIONS AND A DEVELOPER'S PERSPECTIVE:

Mid-Pacific Geothermal, Inc.

Rod Moss

PUBLIC PARTICIPATION: Puna Geothermal Committee

Nelson Ho

ARCHAEOLOGICAL AND HISTORICAL SITES IN THE HALEAKALA SUBZONE

Charles Keau and Nathan Napoka

NATIVE HAWAIIAN PLANTS

Rene Sylva

NATIVE HAWAIIAN CULTURAL PRACTICES

Leslie Kuloloio

ECONOMIC FEASIBILITY

Maui Electric Company

POTENTIAL NOISE LEVELS OF GEOTHERMAL DEVELOPMENT

Ron Darby

AIR QUALITY STANDARDS AND HALEAKALA BASELINE STUDIES

Jim Morrow

\*\*\*\*

Sponsored by the County of Maui, Hui Alanui O Makena and the  
State Department of Planning and Economic Development

---

ANDREW GIL BECK  
# 961-7558 (HELO)

Leha Lopez 968-6278  
935-1663

Diane Ley 968-6951

1) KETANI COMM CNTR

Jeni Moulder (mail Car) 96

2) PAXTON NEIGHBORHOOD CNTR

# 965-7118

'COUNTRY PARKS & REC' FACILITY

3) SEA MOUNTAIN ASPEN INSTITUTE

4) PAXTON COMM. SCHOOL LIBRARY

May 22, 1985

MEMORANDUM FOR THE RECORD

FROM: Dean Nakano

SUBJECT: Public Information and Participation Meeting,  
Pahala, Hawaii

On May 16, 1985, a second public information meeting on the proposed Pahala Geothermal Resource Subzone was held at the Kau High School and Pahala Elementary School Cafeteria. The meeting was called to order at 7:05 pm by Manabu Tagomori, Manager-Chief Engineer of the Division of Water and Land Development. In attendance were approximately 35 people, most of whom are listed on the attached sign-in sheets.

Manabu Tagomori presented background information on the geothermal subzoning process for those individuals who did not attend the earlier informational meeting held on March 14, 1985. Mr. Tagomori also described the proposed Pahala GRS and summarized the impact analyses conducted for that area.

Dr. Don Thomas of the Hawaii Institute of Geophysics discussed the resource assessment process and defined the resource probability lines and the type of data utilized by the Geothermal Resource Technical Committee.

A question and answer session was conducted and the comments received are summarized below:

- There is no justification for subzoning such a large area on the island of Hawaii when only 25 MW will be needed in the near future.
- The State should subzone only a little area at a time and increase the subzone size only as needed or upon review every five years.
- It is premature to subzone the Pahala area when there is sufficient acreage already subzoned in lower Puna.
- Why is Pahala being considered for designation when only a small area of the proposed GRS is contained within the 90% probability line?
- Industrial activity is incompatible with the surrounding area due to the close proximity of the Hawaii Volcanoes National Park, and the Pahala GRS will create a severe intrusion upon the scenic view corridor along Highway 11.

- Negative input is not being taken into consideration during the impact assessment, nor are these comments reflected in the Pahala GRS report.
- Geothermal development is in violation of the tenets of the religious practices to Pele. DLNR has no right to proceed any further until additional work and study has been made into the native Hawaiian communities. The organization Ka'Ohana O Kalae demands that an in-depth cultural study be made of Pele and people's belief and practices of Pele.
- Pele is against geothermal development in Hawaii as demonstrated by the current eruptive phases of Puu O'o.
- DLNR continues to abuse the Hawaiians, their land, religion and resources and forces them to become second class citizens in their own homeland.
- DLNR refuses to accept people's belief in Pele and continues to ignore the rights of the Hawaiians. DLNR displays great disrespect of the Hawaiian religion and the very thought of subzoning in this area is considered sacrilegious.
- There has been no in-depth discussion on how or where geothermal effluent will be discarded and if there will be any health hazards resulting from re-injection of these fluids.
- Why does the DLNR recommend this area when there is so much negative input and little support for the proposed GRS from the residents in the area.
- More funds and research should be spent on other forms of alternate energy sources such as solar, wind, bio-energy and hydro-electric resources.
- The whole subzoning process is predetermined and the decks are stacked in favor of the State and developers and not for the residents of the area.
- Geothermal development and the GRS was not designed for electrical production but rather for the purpose of processing manganese nodules which the residents of Hawaii don't want.
- The impact analysis and the subzone recommendation displays a lack of balance with respect to the 7 criteria outlined in Act 296, SLH 1983.
- The only recourse that the residents have and will use against the GRS designation will be a request for a contested case hearing at the time of the public hearing.

May 22, 1985

- The weighing of the 7 criteria in the State's assessment was biased toward developer interests and did not fully consider social and environmental factors.
- The Pahala GRS should not be designated and the DLNR should realize that the residents don't want any part of geothermal development.
- The State legislators and the law do not represent the people of Kau in their decisions concerning geothermal development. The people who make the laws don't live in the areas affected by their decisions.
- The Hawaiian people's concerns should be number one in priority as far as criteria used in the impact assessment.
- There is no information concerning the types of jobs that will be generated from geothermal development. Will these jobs be temporary or permanent, what will be the wages paid and will these positions be filled by local or out-of-state workers?
- The State, DLNR, developers and all the people involved with geothermal development are the present day form of the Hawaiian god Kama-Pua'a that has tried to destroy Pele in the past. These people continue to violate Pele and her people.

Mr. Tagomori thanked the audience for their participation and adjourned the meeting at 10:20 pm.



DEAN NAKANO

DN:ko  
Attach.

May 22, 1985

MEMORANDUM FOR THE RECORD

FROM: Dean Nakano

SUBJECT: Public Information and Participation Meeting,  
Pahoa, Hawaii

On May 15, 1985, a second public information meeting on the proposed Kilauea Middle East Rift Geothermal Resource Subzone was held at the Pahoa Neighborhood Center. The meeting was called to order at 7:10 pm by Manabu Tagomori, Manager-Chief Engineer of the Division of Water and Land Development. In attendance were 31 people whose names are listed on the attached sign-in sheet.

Manabu Tagomori presented background information on the geothermal subzoning process for those individuals who did not attend the earlier informational meeting held on March 13, 1985. Mr. Tagomori also described the proposed geothermal resource subzone of the Kilauea Middle East Rift and summarized the impact analyses conducted for that area.

Dr. Donald Thomas of the Hawaii Institute of Geophysics discussed the resource assessment process and defined the resource probability lines and type of data utilized by the Geothermal Resource Technical Committee.

Mr. Tagomori stated that the proposed Department of Health Ambient Air Quality Standards quoted in the draft of Circular C-114 have subsequently been retracted by DOH for further study and that a new draft regarding air quality standards would be forthcoming. Mr. Tagomori also explained the BLNR's Decision and Order on the proposed subzone at Kahaualea, Hawaii and briefly discussed the requested land exchange proposal between the State of Hawaii and Campbell Estate.

A question and answer session was conducted and the comments received are summarized below:

- The BLNR Decision and Order (D/O) rendered on December 28, 1984 does not specifically state in writing that the proposed Kilauea Middle East Rift Geothermal Resource Subzone (GRS) will be retracted and become null and void if the land exchange is not consummated. There should be clarification in the D/O regarding the status of the proposed GRS if the land exchange is not consummated.
- DOWALD did not consider nor utilize the biological data of the Kilauea Middle East Rift that was presented by Jim Jacobi of the U.S. Fish & Wildlife Service.

May 22. 1985

- The proposed GRS containing 11,800 acres is unduly large and should be reduced in size, especially since the island of Hawaii will require only an additional 25 MW in the near future.
- Since the proposed GRS is a result of the contested case hearing on Kahaualea, why is 11,800 acres being recommended instead of only 5,300 acres as originally proposed for the Kilauea Upper East Rift GRS?
- Why doesn't the State subzone just a small area at a time and increase the size of subzones only as needed or upon review every five years?
- There needs to be a larger buffer zone between the proposed GRS and the Black Sand Subdivision to the south.
- All "negative" data or input is not being properly utilized in the assessment process.
- There has been no in-depth discussion on how or where geothermal effluent will be discarded and if there will be any health hazards resulting from re-injection of these fluids.
- Why hasn't public participation been solicited with regard to input into the proposed land exchange when publicly owned State lands are involved?
- There should be no subzone designations or geothermal development over and above the needs of the island of Hawaii since the Deep Water Transmission Cable is not yet feasible. X
- There is no justification for subzoning, either the Kilauea Middle East Rift or Pahala, when lower Puna can supply all the projected power requirements of the island of Hawaii.
- The BLNR would not designate subzones if it did not have every intention of automatically approving all subsequent permit applications submitted by the developer regardless of any negative input from the public.
- All decision by the BLNR are the results of effective lobbying by large companies or individuals with financial backing indicating a definite bias in their decision making.
- Subzoning efforts are designed for monetary gains. Subzones are not shaped or developed through public input or need, but is instead a pre-determined decision catering only to developer interests. X

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- The only recourse that the residents have and will use against the GRS designation will be a request for a contested case hearing at the time of the public hearing.

Mr. Tagomori thanked the audience for their participation and adjourned the meeting at 10:15 pm.

A handwritten signature in black ink, appearing to read "Dean Nakano", with a stylized, cursive script.

DEAN NAKANO

DN:ko  
Attach.



Please Print

SIGN IN SHEET

(GENERAL ATTENDANCE)

<u>NAME</u>	<u>ADDRESS</u>	<u>ORGANIZATION</u>
Sally + Jim Wang	P.O. Box 13 Hilo	Puna Independent News
Rodney Nakano	25 Aupuni St. Hilo	County of Hawaii
Opil Chen	828 Fort St. Hon.	<del>THE</del> Estate of James Campbell
OKSTENDER	" " "	"
Al Nakaji	614 Kilanea Ave, #1 Hilo	
Ilima Piuanaia	<del>P.O. Box</del> 25 Aupuni St., Hilo	County of Hawaii
James E. Mowds	P.O. Box 1975 Pahoa	Kalapana Community Organization
Walter Ward	P.O. Box 1722 PAHOA	BLACKSAND BEACH SUBDIVISION
Raymond Can	P.O. Box 1975 Pahoa	VCA
Mary Finley	P.O. Box 367 Volcano	KO.
Anthea Bruce Maden	RR Box 5084 Pahoa (Kalapana)	96785
Mae E. Mull	PO Box 275 Volcano	
SAM KESLER	828 FORT ST MALL	JAMES CAMPBELL EST
ROD WLOSS	1600 KAPIOLANI Blvd. Hon.	MID-PACIFIC GEOTHERMAL
GEORGE JENKINS	200 KILAUEA AVE. HILO.	HELCO
Alf Snyder	P.O. Box 1412 PAHOA HI	SELF
Lehua Lopez	PO BOX 590, Mtn. View, HI	Sierra Club
Alf Snyder	<del>HILO</del>	
Diane Ley	P.O. Box 388 mt. View, HI	Fern Forest Comm. Asso
DEBI MAKAWED	P.O. Box 61, PAHOA, HI. 96778	KAPAHU BEACH COMMUNITY ASSOC
Jim MAKAWED	" " " KAPIULANI BLVD. HONOLULU HAWAII	"
RICHARD PITTELLER	15-2734 Kuku St. Pahoa 96778	THERMAL POWER Hawaiian Beaches Puna Council
Jim (Pappy) Warren	PO Box 884 Volcano HI 96785	PGC, self
Dorian Weisel	RR Box 5058, Pahoa 96778	Kalapana Comm. Org.
Mr. + Mrs. Stanley Kaawaloa	RR #1 Box 5024, Pahoa, 96778	" " "
Mr. + Mrs. William Kaawaloa	THERMAL POWER CO	PUNA GEOTHERMAL VEN,
RALPH A. PATTERSON	1600 KAPIOLANI HNL	

SIGN IN SHEET

(FOR THOSE WHO WOULD LIKE A COPY OF THE REPORT MAILED TO THEM LATER)

<u>NAME</u>	<u>ADDRESS</u>	<u>ORGANIZATION</u>
Mary Finley	P.O. Box 367 Volcano	VCA
Mae E. Mull	P.O. Box 275, Volcano (Please send 5	HI copies)

PLEASE PRINT

SIGN IN SHEET

(FOR THOSE WHO WOULD LIKE A COPY OF THE REPORT MAILED TO THEM LATER)

NAME	ADDRESS	ORGANIZATION
Jim MAXWELL	P.O. Box 61 PAAHALA, HI 96778	IASCO
Jim Pedersen	P.O. Box 22 VOLCANO, HI 96785	Barrett, Harris & Assoc.
Wallace L. Doty Jr	P.O. Box 726 Pahala, HI 96777	Kali Sugar Co.
Virginia Doty	P.O. Box 726 Pahala HI 96777	SEAL club
Dorian Worsal	P.O. Box 884 Volcano HI 96785	76C
Hopo Worsal	PO Box 884 Volcanotti 96785	76C
Dan Finley	P.O. Box 721 Volcano HI 96785	NO
Kelii Lorne	Kings Landing	Malama ka aia
Pakapu Deamon	P.O. Box 469 Wahiawa, HI 96785	Maia ka aia
Mae E. Mull	P.O. Box 275, Volcano	Ka Ohana O Kula
(would you please send me Circulars C-98 and		C-99. Mahalo.)
MOAMIKELA	11-Kou Lane	OHA
AKACA	Hilo/Haw	TRUSTEE
SAMUEL K. KALUNA	P.O. Box 172 PAAHALA HI	KA OHANA O KALAE
Lele Hanoo	P.O. Box 472 Naalehu HI	KA OHANA O KALAE
James Long	P.O. Box X Naalehu HI 96772	" "
...LEROY UYEHARA	P.O. Box 85, Pahala, HI	HAWAIIANA INVESTMENT Co.
(would like a copy of the "SAN DIEGO SOLAR" INFORMATION)		
Rick Warrhauer	Box 192, Volcano, 96785	
Bennett Aluh	Box H. Maunaloa, Maunaloa 96788	
Melani Bernardo	Box 4044 Pahoa HI 96778	
LINDA Kyzely	PO Box 673 PAHAHALA, HI	Ka Ohana O Kula
Lekua Lopez	Box 590 Mtn View, HI 96772	
Doug Wats4	Box 155 Naalehu HI 96772	
A.J. Higa	332 Lu Hava HI Hilo HI 96720	
	(How much did the social impact study cost?)	
H.W. Niheu	40 P.O. Box 96 Kamuela HI 96743	

SIGN IN SHEET

(GENERAL ATTENDANCE)

PLEASE PRINT

NAME

ADDRESS

ORGANIZATION

L. ANNA CARIAGA  
Lillian Ortega  
Don Stevens  
O.K. STENDER

P.O. Box 353, Pahala <sup>928-8335</sup>  
Pahala - 928-8054  
P.O. Box 241 Waialeale HI  
96772  
~~928~~ 1056 MAUNAWILI LD

Hawaiian Civic Club of  
" " " Kau  
Ka Ohana & Ka Hale  
CAMPBELL ESTATE

Ka 'Ohana O Kalae  
P. O. Box 673  
Na'alehu, Hawai'i 96772  
May 16, 1985

HAND DELIVERED

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

RE: Statement of Ka 'Ohana O Kalae  
Presented As Testimony at May 16, 1985  
Public Informational Meeting on the  
Proposed Pahala Geothermal Resource Subzone

Dear Mr. Tagomori and Staff:

Ka 'Ohana O Kalae is a grassroots organization that has been successful in their curatorship program of site preservation and perpetuation at South Point, a National Historic Landmark.

Our organization is comprised of our families, fellow Hawaiians, and friends. We are representative of the mana'o of the Native practitioners, those who practice and live the Native culture of Hawai'i.

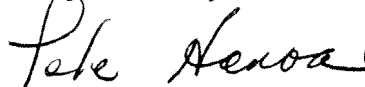
Our purpose is to protect and perpetuate this culture which is founded upon interaction with our living environment, which has been perpetuated and ongoing for thousands of years.

To even consider geothermal development is in violation of the tenets of the religious practices to Pele. Your agency has no right to proceed any further until further work and study has been made in the Native Hawaiian communities.

Ka 'Ohana O Kalae demands that a sensitive, in-depth cultural impact study be made of the Pele people and their beliefs and practices of Pele.

We expect further consultation with your office on this matter.

Respectfully submitted,



Pele Hanoa  
Ka 'Ohana O Kalae

George R. Ariyoshi  
Governor

## NEWS RELEASE

Department of Land  
and Natural Resources  
Manabu Tagomori, 548-7533

May 8, 1985

The Department of Land and Natural Resources will conduct a public information and participation meeting concerning the following proposed geothermal resource subzones:

- Kilauea Middle East Rift Geothermal Resource Subzone, Wednesday, May 15, 1985, in Pahoa, Hawaii, Pahoa Neighborhood Center, 7:00 - 10:00 p.m.
- Kilauea Southwest Rift Geothermal Resource Subzone, Thursday, May 16, 1985, in Pahala, Hawaii, Kau High & Pahala Elementary School Cafeteria, 7:00 - 10:00 p.m.

The purpose of these meetings is to identify potential impacts from geothermal development within and surrounding the proposed subzone areas. Areas of concern will include social and environmental impacts, economics, geologic hazards, land use compatibility, and potential for utilization. The public is invited to participate and comment on the impacts presented and to identify any other concerns. Written comments and information may also be sent to the Division of Water and Land Development, Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Dean

TENTATIVE SCHEDULE  
For Public Info Meetings  
in Pahoa and Pahala, Hawaii, May 15, and 16, 1985

- (WED) 5-1-85    Call concerned parties to confirm date and time  
                    (County, State, etc.)
  
- (FRI) 5-3-85    Send out "news release" to local newspapers (Advertiser  
                    and Hilo Tribune) to be printed in WED. edition on  
                    5/8/85 (one week advance notice)
  
- (FRI) 5-3-85    Reports (Kilauea S.W. & Middle East Rift) to be ready  
                    and set for printing.
  
- (MON) 5-6-85    Reports printed and mailed out to interested parties.  
                    (10 days in advance of meeting)
  
- (WED) 5-8-85    News Release printed in Wednesday issue of the  
                    Honolulu Advertiser and Hawaii Tribuen Herald.
  
- (WED) 5-15-85    Leave for Hilo at 2:05 pm, Aloha 244 (Manabu);  
                    8:45 am, Aloha 44 (Dean & Don)  
                    Phillips Rent-A-Car  
                    Stay at Naniloa Hotel (1 night, 5/15/85) and  
                    at Sea Mountain at Punaluu (1 night, 5/16/85)  
  
                    7:00 pm mtg. in Pahoa @ Pahoa Neighborhood Center.
  
- (THU) 5-16-85    7:00 pm mtg. in Pahala @ Kau High & Pahala Elementary  
                    School Cafeteria.
  
- (FRI) 5-17-85    Return at 3:45 p.m., Aloha Flt. 45

SIGN IN SHEET  
(GENERAL ATTENDANCE)

NAME

ORGANIZATION

ADDRESS

Glen Shura  
Van W. Bowman  
Mae E. Mull  
Wallace L. Doty  
Yvonne Yarnes  
Jehua Lopez  
Tele Hanoa  
Ahtiga

SAMUEL KALUNA JR.

LEROY UYEHARA

Sandra Chenoweth

Linda Lyzich

Lydia K. Ke

Charles W. Smith

Jim MAKAWEO

Cecil L. Smith

Alan G. Kawada

SAMUEL C. KEOLA JR.

Palikapu Anderson

Kau Agribusiness

Kau Agribusiness

P.O. Box 275, VOLCANO 96785

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P.O. Box 472 Naalehu HI 96772

332 LU HAU PI. HI 96720

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Sp. Hawaiiana INVESTMENT CO.

P.O. Box 85

Pahala, HI 96777

P.O. Box 655

Naalehu HI 96772

Naalehu HI 96772

Box 674 Pahala HI 96777

4476 Kolohele, Hanalei, HI 96816

P.O. Box 61, PAHOA, HI 96778

Dallas, TX

True Geothermal Energy Co. Hn.

CAMPBELL EST. HON.

P.O. Box 469, NAALAHU



3/13/85

Community  
Trust Forum Meeting

@ Keanu Comm Ctr

Start 7:35 pm

Speakers: Maana Jagomori

Diane Uy

Jimi Jishi - indigenous species

Hannah Springer - Shun interests

(geography and anthropology)

Maana

describe maps

background info on ACT 296, <sup>SUT</sup> 1983

display all reports

clarification by ACT 151, <sup>SUT</sup> 1984 (grandfathered existing GML)

Nov 16 subzone designations

1) Hahakela

2) Kapoho

3) Kamaili

leading to Kahuakua and Boards S/O

first describe long green map

Don to describe the 90% & 25% probability lines

Define the D/O of the best:

conditions: 1) land exchange

2) exclusion of Tract 22 from the swap

- where the Fedi buy land from Campbell

3) identify the NARS area

- need to de-classify then re-classify the

- 4) 11,800 acres proposed GRS
- 5) basis for shape of proposed GRS
  - due to resource
  - buffer zone
  - cut of southern boundary of GRS due to resource potential in lower rift? geological hazards
  - studied the environmental factors

4) The Kelowna SW rift proposed GRS.

Don Thomas

present data to support proposed GRS:

- 1) Technical Comm.
  - assessment of all available data
  - statewide study
  - Kelowna the most active and the most
- used aeromag data, shows substantial anomalies that describe the surface expression of the rift.
- magnetic data shows that the rift is wider at depth and that it migrated southward.
- therefore higher probability North of the probability line (90% to 25% area)

## Joe K

- 1) geological hazards
  - Dr Walker & Dick Moore contributed data
  - 1750 flow Hekeakula
  - 1961 " (grad cracking occurred)

63

77

Pau Oo - 1983-85 phase II entered into the proposed GKS

- 2) future risk is active subject to hazards
- 3) 22% of GKS has been covered by flows
- 4) mitigate hazards by locating development on high ground
- 5) lava diversion barriers can be utilized
- 6) probability of future eruptions  
 Kalalua Crater has a perisismometer which indicate intrusion north of the GKS, in the area of Pau Oo.
- 7) earthquakes (South pt quake is the largest)
 

1975	7.2	at Kalapana
1984	6.7	in the Saddle

8) Environmental data  
 rec'd from Lamoureux's recent survey

- closed canopy - old forest
- some patches of prime forest located w/in GRS
- need to use care in development due to those patches
- historical significant areas in the (yellow) area
- *adenophorum peruvianum* (woody)
- Old fighting (bird)
- hawon hawk - ID

### Mandate

#### Summary

- conditions of D/O
- hiring of an appraiser to assess land value
- we are soliciting comments

Stance by  
 from Puna Geothermal Comm.  
 also from Forest Comm Assoc board member

- They have funded the law suits and contested case hearing and are supported by many other groups.
- all efforts toward preserving Kahaulea

1) view the D/O as a positive action by the BLM in recognizing the fauna, hazards and close proximity of the Tulei Park.

2) feels that geo. develop is an industrial activity. (contrary to Conservation land principles)

3) need for base line studies and monitoring systems.

4) Need only base load development  
 - why develop more than what Hawaii island needs?

5) need for NEW data and cannot use Kahaulea data in the assessment of the proposed GNS and esp. the

Jimi Jacobi (1976 - US. fish & Wildlife)  
research project

1) Hawaii forest bird survey

- mapping vegetation ecosystem
- distribution of rare plants & birds

2) slide show

on the Puna Region ecology

25% introduced species in open canopy  
area of GRS

Iō fully endangered bird

is the Oe endangered or just rare.

light green area.

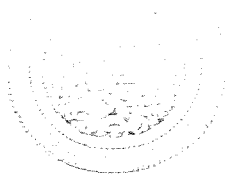
- open forest canopy, having introduced  
species such as strawberry guava.

Hannah Springer  
Hawaiian Culture

## PUBLIC HEARING PROCEDURE

1. Prepare "Public Hearing Notice"
2. Send down to Chairman's office for approval.
3. Upon receiving signature, send one copy to chairman's office, take another copy to newspaper of general circulation in the appropriate county. Be sure it will be published once a week for three successive weeks with the last notice being printed not less than ten days nor more than thirty days before the date set for the hearing.
4. Prepare agenda of public hearing for Chairman.
5. Notify appropriate county agencies, officials, and/or department personnel who would be directly involved in preparation or answering of questions for public hearing. Also notify any individual or organization directly affected or involved with the subject of the public hearing.
6. Prepare for public hearing
  - a. Sign-in sheets, handouts.
  - b. Microphone, ext. cord, etc.
  - c. Permission to use room/building; keys; etc.
  - d. Court reporter if needed.
7. Accept any written protests or other comments or recommendations up to fifteen days following the close of the public hearing.
8. Prepare board submittal, based on results of public hearing.
9. Publish Board's decision to designate, rescind, or modify areas in a newspaper of general circulation in the appropriate county.

Dean



George R. Ariyoshi  
Governor

## NEWS RELEASE

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and Natural Resources  
Manabu Tagomori, 548-7533

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The purpose of these meetings is to identify potential impacts from geothermal development within and surrounding the proposed subzone areas. Areas of concern will include social and environmental impacts, economics, geologic hazards, land use compatibility, and potential for utilization. The public is invited to participate and comment on the impacts presented and to identify any other concerns. Written comments and information may also be sent to the Division of Water and Land Development, Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

4/15  
50