

**U.S. DEPARTMENT OF ENERGY
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT**

**PRESENTATION TO
THE NUCLEAR WASTE TECHNICAL REVIEW BOARD**

SUBJECT: NATIVE AMERICAN STUDIES

PRESENTER: THOMAS GREIDER

**PRESENTER'S TITLE
AND ORGANIZATION: SOCIOLOGIST
SCIENCE APPLICATIONS INTERNATIONAL CORPORATION**

**PRESENTER'S
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OBJECTIVES OF NATIVE AMERICAN STUDIES

- **IDENTIFY PROPERTIES OR LOCATIONS THAT HAVE TRADITIONAL CULTURAL OR RELIGIOUS VALUE TO AMERICAN INDIAN PEOPLE**
- **DETERMINE CULTURALLY APPROPRIATE TECHNIQUES TO PROTECT AND PRESERVE TRADITIONAL AND RELIGIOUS CULTURAL RIGHTS AND PRACTICES**
- **IMPLEMENT PROCEDURES TO MINIMIZE EFFECTS ON TRADITIONAL CULTURAL OR RELIGIOUS VALUES**

TECHNICAL QUESTIONS

- 1. WHO ARE THE AMERICAN INDIAN GROUPS WITH TRADITIONAL TIES TO THE YUCCA MOUNTAIN AREA?**
- 2. WHAT ARE THE TRADITIONAL CULTURAL OR RELIGIOUS VALUES ASSOCIATED WITH LOCATIONS OR PROPERTIES IN YUCCA MOUNTAIN AREA?**
- 3. WHAT ARE INDIAN PEOPLE'S RECOMMENDED TECHNIQUES FOR MINIMIZING EFFECTS TO CULTURAL OR RELIGIOUS VALUES?**
- 4. WHAT ARE FEASIBLE MITIGATION TECHNIQUES TO ADOPT?**

TECHNICAL APPROACH

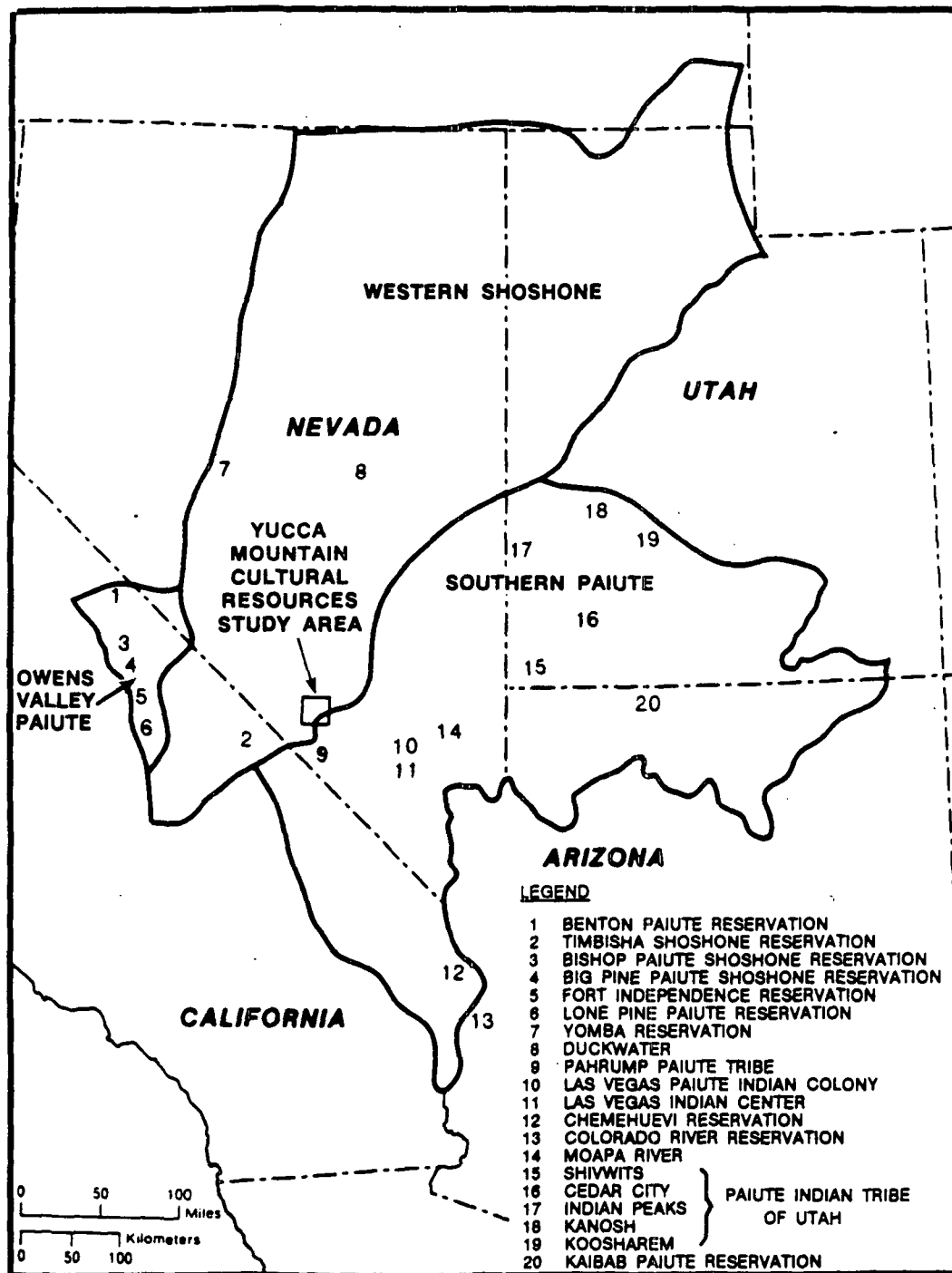
- REVIEW RELEVANT LITERATURE
- REQUEST TRIBAL APPOINTMENT OF OFFICIAL TRIBAL CONTACT REPRESENTATIVE
- CONDUCT ONGOING COMMUNICATION WITH OFFICIAL TRIBAL CONTACT
- CONDUCT KEY CULTURAL EXPERT INTERVIEWS
- ANALYZE CULTURAL EXPERT INTERVIEWS
- OBTAIN INDIAN PEOPLE'S RECOMMENDATIONS FOR MINIMIZING EFFECTS
- REQUEST TRIBAL REVIEW OF NATIVE AMERICAN CULTURAL RESOURCE REPORTS FOR VERIFICATION
- INCORPORATE APPROPRIATE MITIGATION TECHNIQUES IN DOE ACTIVITIES

TECHNICAL QUESTION 1: WHO ARE THE AMERICAN INDIAN GROUPS WITH TRADITIONAL TIES TO THE YUCCA MOUNTAIN AREA?

ACCOMPLISHMENTS

- **CONDUCTED LITERATURE REVIEW AND FIELD SITE VISITS WITH NATIVE AMERICAN REPRESENTATIVES**
- **LITERATURE REVIEW AND ETHNOHISTORY OF NATIVE AMERICAN OCCUPANCY AND USE OF THE YUCCA MOUNTAIN AREA**
(DOE/NV-10576-21, JANUARY 1990)
- **IDENTIFIED AND INVOLVED AMERICAN INDIAN GROUPS AS SHOWN ON ACCOMPANYING VIEWGRAPH**

TRADITIONAL ETHNIC BOUNDARIES AND LOCATIONS OF TRIBES INVOLVED IN THE YUCCA MOUNTAIN PROJECT



TECHNICAL QUESTION 2: WHAT ARE THE TRADITIONAL CULTURAL OR RELIGIOUS VALUES ASSOCIATED WITH LOCATIONS OR PROPERTIES IN YUCCA MOUNTAIN AREA?

ACCOMPLISHMENTS

- **NATIVE AMERICAN GROUPS WERE TAKEN ON SITE VISITS WITH DOE REPRESENTATIVES, ARCHAEOLOGISTS, AND ETHNOBOTANISTS**
- **NATIVE AMERICAN INTERPRETATION OF CULTURAL RESOURCES IN THE AREA OF YUCCA MOUNTAIN, NEVADA**
(DOE/NV-10576-17, MARCH 1989)
- **NATIVE AMERICAN PLANT RESOURCES IN THE YUCCA MOUNTAIN AREA, NEVADA** **(DOE/NV-10576-19, NOVEMBER 1989)**

STATUS

- **NATIVE AMERICAN REPRESENTATIVES WILL BE INVITED TO OBSERVE FUTURE ARCHAEOLOGICAL STUDIES**

TECHNICAL QUESTION 3: WHAT ARE INDIAN PEOPLE'S RECOMMENDED TECHNIQUES FOR MINIMIZING EFFECTS TO CULTURAL OR RELIGIOUS VALUES?

ACCOMPLISHMENTS

- **INVOLVED NATIVE AMERICAN GROUPS MET 5/88 AND SUBMITTED RECOMMENDATIONS ON:**

**NATIVE AMERICAN ARTIFACTS
PLANTS
PETROGLYPHS AND PICTOGRAPHS
NATIVE AMERICAN BURIALS
ANIMALS**

**SACRED PLACES
INFORMATION
DISSEMINATION
NATIVE AMERICAN
CONSULTANTS**

TECHNICAL QUESTION 4: WHAT ARE FEASIBLE MITIGATION TECHNIQUES TO ADOPT?

ACCOMPLISHMENTS

- **MET WITH INVOLVED AMERICAN INDIAN GROUPS TO DISCUSS APPROPRIATE MITIGATION TECHNIQUES 1/90 - 3/90**

STATUS

- **DEVELOPING PROCESS TO INCORPORATE MITIGATION TECHNIQUES**

INTERACTIONS WITH OTHER PROGRAMS

- **ARCHAEOLOGICAL COMPONENT OF CULTURAL RESOURCES STUDIES**
- **TERRESTRIAL ECOSYSTEMS STUDIES (PLANTS AND ANIMALS)**
- **PROJECT WORKER ENVIRONMENTAL AWARENESS TRAINING INCLUDES INFORMATION ON PROTECTING CULTURAL RESOURCES**
- **CULTURAL DISPLAY AND EDUCATION PROGRAM AT YUCCA MOUNTAIN INFORMATION OFFICE**