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**Los Alamos**  
NATIONAL LABORATORY

**memorandum**

Environmental, Safety, & Health Division  
Ecology Group, ESH-20, MS M887

# 59117

To/Ms: Randall Ryti /Neptune and Company  
Through /MS: Gil Gonzales, ESH-20 / MS M887  
From/Ms: Steven Koch, ESH-20 / MS M887  
Phone/FAX: 5-9875/7-0731  
Symbol: ESH-20/Ecol-98-0706  
Date: August 7, 1998

**SUBJECT: Review of Potential Release Sites for Threatened and Endangered Species  
Habitat for The Purpose of Ecological Screening/Risk Assessment.**

Resulting from your request, the purpose of this memo is to communicate whether Threatened and Endangered (T&E) species may be present in Environmental Restoration Potential Release Sites (PRS's) under consideration for ecological screening and/or risk assessment purposes. This information will help: (1) to establish whether contaminant pathways might exist to T&E species nesting within or in the vicinity of a PRS, (2) to determine whether there are proposed activities relating to the ecoscreen/risk assessment that might impact T&E species at the PRS, (3) to notify, when necessary, risk assessors to pay particular attention to relevant contaminant Ecological Screening Levels primarily for birds, (4) to notify, when necessary, risk assessors to pay particular attention to PRS aggregation issues relative to foraging patterns of T&E species.

The following PRSs -

In TA-73, Airport Landfill (see attachment for list of likely PRSs)

- were reviewed to determine whether or not they are in or near federally-listed T&E Nesting Habitat, whether they are in a Foraging Area and, if so, to indicate the relative amount of foraging that can be expected at or in the vicinity of the specific PRSs of interest:

PRS location information maintained by FIMAD was intersected with T&E species Habitat using GIS databases maintained by the Ecology Group, ESH-20. TA-73, Airport Landfill contains Mexican Spotted Owl Nesting/Roosting Habitat. TA-73, Airport Landfill contains Peregrine Falcon Nesting/Roosting Habitat. Therefore the Owl and Falcon can be expected to forage at a relatively **high** frequency in TA-73, Airport Landfill. Bald Eagle can be conservatively assumed to forage at a relatively low frequency.

Your request did not propose any ground-disturbing activities.

Risk assessors should pay particular attention to relevant Ecological Screening Levels for birds and to potential PRS aggregation issues relative to foraging patterns of T&E species because there is a potential for relatively high foraging in some or all of the PRSs. If contaminant levels warrant, we recommend a more detailed analysis for the Spotted Owl and Peregrine Falcon.

If you need more detailed or more extensive information please do not hesitate to contact me.

SK:rm

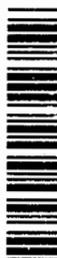
Cy: Elizabeth Kelly, TSA-11, MS K557  
Gil Gonzales, ESH-20, MS M887

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**SUBJECT: PRSs in TA-73, north of SR501, into Pueblo Canyon**

The following PRSs were identified by overlaying the PRS coverage with a coverage indicating the approximate canyon wall locations. No attempt was made to verify the accuracy of this data. If the a more precise list is required, further analysis will be necessary.

TA-73, north of SR501, into Pueblo Canyon

ID

73-001(a)

73-001(b)

73-001(c)

73-001(d)

73-002

73-003

73-004(a)

73-004(b)

73-004(c)

73-004(d)

73-006

C-73-001

C-73-002

C-73-003

C-73-004

SK:rm

Cy: ESH-20 Reading file