

To/MS: Steven Reneau, EES-16, D452
 From/MS: David Keller, ENV-EAQ, J978
 Phone/Fax: 7-7037/5-8858
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REVIEW OF REACHES IN THE CANYON SYSTEMS NORTH OF LANL 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 or endangered (T&E) species may be present in Environmental Restoration Potential Release Sites (PRS's) or reaches that are under consideration for ecological screening and/or risk assessment. 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 notify, when necessary, risk assessors to pay particular attention to relevant contaminant Toxicity Reference Values primarily for birds,
- (3) to notify, when necessary, risk assessors to pay particular attention to PRS aggregation issues relative to foraging patterns of T&E species.

Information about **Reaches in the north canyon systems** was reviewed to determine whether or not these sites are in or near nesting habitat of federally-listed T&E species, whether it is in a foraging area and, if so, the relative amount of potential foraging at or in the vicinity of the specific reaches.

PRS location information maintained by the Environmental Programs - Environment and Remediation Support Services (EP-ERSS) Division was intersected with T&E species habitat using GIS databases maintained by the Ecology and Air Quality Group (ENV-EAQ). **Reaches in the north canyon systems** are in potential Mexican spotted owl nesting, roosting, and foraging habitat. The **Mexican Spotted Owl** can be conservatively assumed to forage at the following levels at each of the following reaches:

North Canyon Reach	Foraging Habitat Rating	Habitat Types (N)esting, (R)oosting, (F)oraging.	Location Activity Considerations	Species
BR-1	High	60% N, 40% R	Land Owner	Mexican spotted owl
BY-1	Very High	100% N	Land Owner	Mexican spotted owl
BY-2	Very High	100% N	Land Owner	Mexican spotted owl
BY-3	Low	80% R, 20% F	Land Owner	Mexican spotted owl
G-1	Moderate	100% R	Land Owner	Mexican spotted owl
R-1E	High	50% N, 50% R	Land Owner	Mexican spotted owl
R-1M	Moderate	20% N, 60% R, 20% F	Land Owner	Mexican spotted owl
R-1S	Moderate	10% N, 70% R, 20% F	Land Owner	Mexican spotted owl
R-2	High	50% N, 50% F	Land Owner	Mexican spotted owl
R-3	High	60% N, 30% R, 10% F	Land Owner	Mexican spotted owl



Steven Reneau
ENV-EAQ:09-065

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

DCK:alb

Cy:
Randall T. Ryti, WES-DO, M969
Gil Gonzales, ENV-EAQ, J978
Leslie Hansen, ENV-EAQ, J978
ENV-EAQ File