



OLENE S. WALKER
Governor
GAYLE F. McKEACHNIE
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

ROBERT L. MORGAN LOWELL P. BRAXTON
Executive Director Division Director

DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: 7/1/04

FAX#: 435-637-2481

ATTN: DAN GUY

COMPANY: BLACKHAWK ENR.

DEPARTMENT: _____

NUMBER OF PAGES (INCLUDING THIS ONE): 3

FROM: JAL - 801-538-5290

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MESSAGES: DAN. I CUSTOMIZED THE T+G LIST FOR CARBOA COUNTY

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FEDERALLY LISTED AND PROPOSED (P) ENDANGERED (E),
THREATENED (T) AND CANDIDATE⁹ (C) SPECIES
AND HABITAT IN UTAH BY COUNTY
As of May 2004

COUNTY	Species	Scientific Name	Status
CARBON			
	Graham Beardtongue	<i>Penstemon grahamii</i>	C
	Uinta Basin Hookless Cactus	<i>Sclerocactus glaucus</i>	T
	Bonytail ^{4,10}	<i>Gila elegans</i>	E
	Colorado Pikeminnow ^{4,10}	<i>Ptychocheilus lucius</i>	E
	Humpback Chub ^{4,10}	<i>Gila cypha</i>	E
	Razorback Sucker ^{4,10}	<i>Xyrauchen texanus</i>	E
	Bald Eagle ³	<i>Haliaeetus leucocephalus</i>	T
	Mexican Spotted Owl ⁴	<i>Strix occidentalis lucida</i>	T
	Western Yellow-billed Cuckoo	<i>Coccyzus americanus occidentalis</i>	C
	Black-footed Ferret ⁶	<i>Mustela nigripes</i>	E

¹ Nests in this county of Utah.

² Migrates through Utah, no resident populations.

³ Wintering populations (only five known nesting pairs in Utah).

⁴ Critical habitat designated in this county.

⁵ Critical habitat proposed in this county.

⁶ Historical range.

⁷ Experimental nonessential population.

⁸ Introduced, refugia population.

⁹ Candidate species have no legal protection under the Endangered Species Act. However, these species are under active consideration by the Service for addition to the Federal List of Endangered and Threatened Species and may be proposed or listed during the development of the proposed project.

¹⁰ Water depletions from *any* portion of the occupied drainage basin are considered to adversely affect or adversely modify the critical habitat of the endangered fish species, and must be evaluated with regard to the criteria described in the pertinent fish recovery programs.

Adverse effects of mining on water quantity to the Colorado River drainages do affect four Colorado River endangered fish species (Colorado pikeminnow, humpback chub, bonytail chub, and razorback sucker). The USFWS considers water depletion to the Colorado River drainage as a potential jeopardy to these endangered fish. Water users may be required to mitigate if the overall water consumption is greater than 100 acre-feet per year. Currently, the mitigation fee is approximately 16.00 per acre-foot of depletion, but may change marginally from year to year.

The Permittee is required to address possible adverse effects to these four fish species by first calculating the amount of water used by all mining operations and explorations. The "Windy Gap Process" provides a guideline of parameters necessary to calculate overall water consumption for coal mines. The Permittee may obtain the "Windy Gap Process as it Applies to Existing Coal Mines in the Upper Colorado River Basin" (Discussion Paper) from the Division (801-538-5214). This discussion paper provides descriptions of equation parameters and guidelines for coal operators to follow. In brief, consumption estimates must at least include the following:

- mining consumption
- ventilation consumption
- coal producing consumption
- ventilation evaporation
- sediment pond evaporation
- springs and seep effects from subsidence
- alluvial aquifer abstractions into mines
- alluvial well pumpage
- deep aquifer pumpage
- postmining inflow to workings
- coal moisture loss
- direct diversions.

The Permittee must provide all equations and justifications with supporting documentation leading to the overall sum of water depletions/additions for all mining operations and explorations. (R645-301-322; -333). The Permittee must resubmit water consumption calculations if future changes in mining operations significantly change current total estimates.

TRANSACTION REPORT

P. 01

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FOR: OIL, GAS & MINING

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