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United States Department of the Interior

FISH AND WILDLIFE SERVICE
ENDANGERED SPECIES OFFICE
1406 FEDERAL BUILDING
125 SOUTH STATE STREET
SALT LAKE CITY, UTAH 84158-1197
July 23, 1984

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IN REPLY REFER TO:

MEMORANDUM

TO: Utah Task Force Leader, Office of Surface Mining
Denver, Colorado

FROM: Field Supervisor, Endangered Species Office
U.S. Fish and Wildlife Service, Salt Lake City, Utah

SUBJECT: Biological Assessment of Canyon Sweet-vetch (Hedysarum
occidentale var. canone).

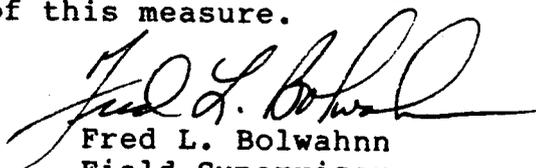
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JUL 30 1984

We have reviewed your agency's biological assessment of impacts to the canyon sweet-vetch (Hedysarum occidentale var. canone) by the Kaiser Steel Corporation's Sunnyside Mine, Trail Mountain Coal Company's Trail Mountain Mine, and Beaver Creek Coal Company's Huntington Canyon No. 4 Gordon Creek No. 2 mines. As you have noted the canyon sweet-vetch is not a listed threatened or endangered species but is under review for possible listing in the future if future status surveys deem that listing is appropriate for that species.

We note that the Forest Service has designated the canyon sweet-vetch as a sensitive species is providing protection to this species under authority other than the Endangered Species Act.

We have concluded that the protective measures outlined in your biological assessment should provide adequate conservation for this species in relation to current and future operations of the above listed mines. We appreciate your efforts in providing for the survival and conservation of this measure.


Fred L. Bolwahn
Field Supervisor