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CR 131018

PREDICT EPHEMERAL AND PERENNIAL RANGE QUANTITY AND QUALITY  
DURING NORMAL GRAZING SEASON

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1 March 1973

Type I Progress Report for Period 1 January 1973 - 28 February 1973

(E73-10377) PREDICT EPHEMERAL AND PERENNIAL RANGE QUANTITY AND QUALITY DURING NORMAL GRAZING SEASON Progress (Bureau of Land Management, Riverside, Calif.) 3 p HC \$3.00	N73-19372
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Prepared for:

Goddard Space Flight Center  
Greenbelt, Maryland 20771

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Type I Progress Report  
ERTS-A

- a. Title: Predict Ephemeral & Perennial Range Quantity & Quality  
During Normal Grazing Season

ERTS-A Proposal No.: SR 147

- b. GSFC ID No. of P.I.: IN 417

- c. Statement and explanation of any problems that are impeding the progress of the investigation:

None.

- d. Discussion of the accomplishments during the reporting period and those planned for the next reporting period:

During the greater part of this 2-month period I have not worked directly on the project. I have not asked for satellite imagery during this time when plants are normally dormant. I resumed collection of ground truth data on February 20 when I was again scheduled to receive satellite imagery. I am now waiting to receive satellite imagery taken over my southwest sites during the latter part of February. Once this imagery is received, my analysis will continue.

I have also finally received color composites I requested from GSFC. These are being analyzed by field personnel and myself.

Some preliminary work has been done using black and white satellite imagery blown up to a scale of 1:250,000 to determine if vegetation can be mapped using very broad soil types which can be seen on the imagery. Vegetation in the desert is too sparse to show up. This investigation is continuing.

Some analysis has been made using data at the University of Arizona, Office of Arid Lands Studies for the winter season. However, this is not too far along because imagery for December and January (the critical period) has not been received from NASA at this time.

- e. Discussion of significant scientific results and their relationship to practical applications or operational problems including estimates of the cost benefits of any significant results:

None at present.

f. A listing of published articles, and/or papers, pre-prints, in-house reports, abstracts of talks, that were released during the reporting period:

None.

g. Recommendation concerning practical changes in operations, additional investigative effort, correlation of effort and/or results as related to a maximum utilization of the ERTS system:

None.

h. A listing by date of any changes in Standing Order Forms:

None during this period.

i. ERTS Image Descriptor forms:

None.

j. Listing by date of any changed Data Request forms submitted to Goddard Space Flight Center/NDPF during the reporting period:

None.

k. Status of Data Collection Platforms (if applicable): N/A

*Gordon Bentley*

cc:  
WO, 420  
WO, 510