

CR-137169

DYNAMICS OF DISTRIBUTION AND DENSITY OF PHREATOPHYTES
AND OTHER ARID-LAND PLANT COMMUNITIES

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Type I Progress Report for Period 1 Sept - 30 Oct 1973

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Type I Progress Report
ERTS-1

a. Title: Dynamics of Distribution and Density of Phreatophytes and other Arid-Land Plant Communities

ERTS-1 Proposal No.: SR ³⁴²~~243~~-8

b. GSFC ID No. of P.I.: IN 411

c. Statement and explanation of any problems that are impeding the progress of the investigation: As of February 12, 1974, imagery for cycle 26 (October 28, 1973) has not been received.

d. Discussion of the accomplishments during the reporting period and those planned for the next reporting period: Because of relatively poor summer rains, production of ephemeral plants was negligible at the four lowest sites. At the highest site, representative of desert grassland, ephemeral plant coverage reached 5% compared to a maximum of 18% in March. The high value on the latter date was the result of heavy winter rainfall. The number of cloud-free ERTS overpasses as of the end of this reporting period is eleven.

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 (To be prepared in scientific abstract form of 200 words or less): None

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 report period

i. ERTS Image Descriptor forms: None

j. Listing by date of any changed Data Request forms submitted: None

k. N/A