

Aircraft Noise Effects

Research Literature Emerging

Results of research on the effects of aircraft overflights on park resources and on visitors are becoming available as part of NPS and USFS research conducted in response to Public Law 100-91. The research is being contracted by the NPS Denver Service Center and supervised by the NPS Ranger Activities Division in Washington.

The reports include the following technical literature reviews, which may be of interest to many park areas: *Aircraft Noise Effects on Cultural Resources*; *Review of Technical Literature*; *Review of the Effects of Aircraft Overflights on Wildlife*; and *Effect of Aircraft Altitude Upon Sound Levels at the Ground*. Other finished reports describe methodologies for conducting noise research in parks and for surveying park visitors about aircraft noise; they also describe the noise measurement results at Grand Canyon NP and several national forest wildernesses.

Research now is being conducted to determine re-

sponses of park visitors to aircraft overflights, responses of air tour passengers, and comparison of measured noise doses to visitor responses at several parks. Computer models are being developed using NPS geographic information system technology to model the noise environment in parks and predict the effects of various mitigation strategies.

We also have our contracts structured in such a way that it is easy for anyone in the NPS to use them for consultation or research regarding any type of noise or aircraft concerns in parks.

For further information on the research, contracts, or publications, contact **Wes Henry, Washington DC, (202) 208-5211** or **Rick Ernenwein, Denver, (303) 969-2274**.

Rick Ernenwein, NPS-DSC
P.O. Box 25287
Denver, CO 80225-0287