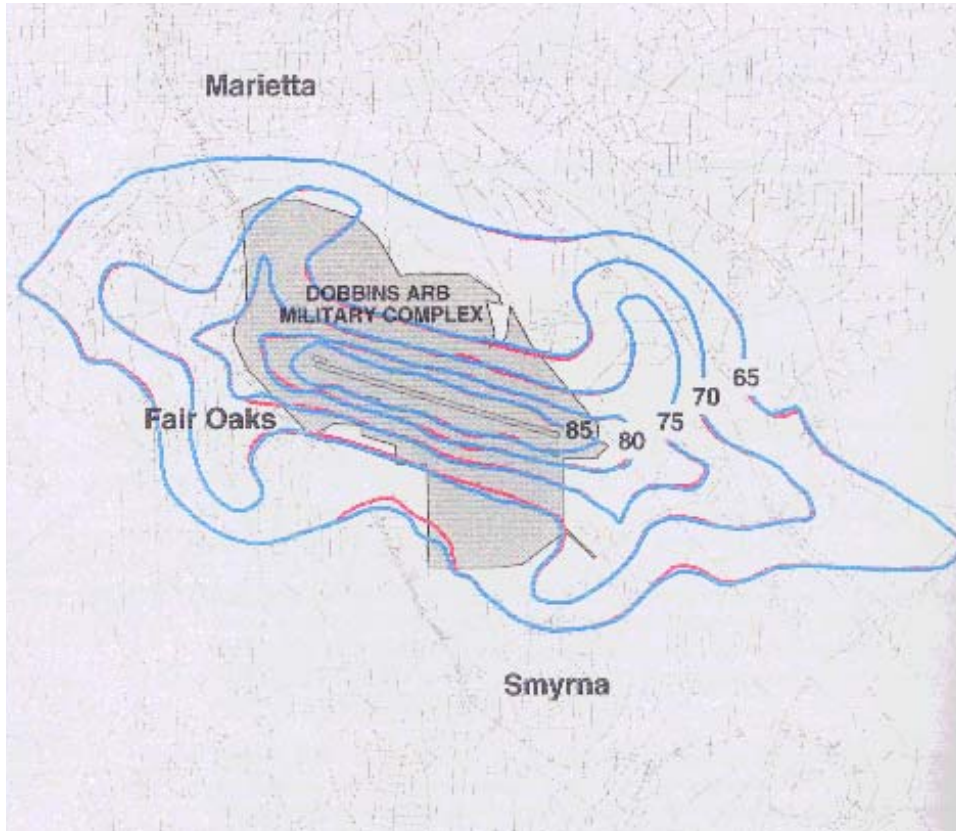


F-22 ACCEPTANCE TESTING ENVIRONMENTAL ASSESSMENT

Dobbins AFB, Marietta, GA



Acentech

CONSULTING SERVICES

- Aircraft noise modeling
- Sonic boom modeling
- Impact assessment

REFERENCE

Carl Rykaczewski
Project Manager
Earth Tech
1461 E. Cooley Drive, Suite 100
Colton, CA 92324
909-424-1919

PROJECT DESCRIPTION

Acentech assessed the environmental noise impacts for the subsonic and supersonic acceptance tests of the F-22 fighter after final assembly at Dobbins AFB in Marietta, Georgia. The analysis included the addition of 591 operations per year, preflight, and ground run-up tests.

Acentech provided the noise and sonic boom analysis for the project; developed a methodology for assessing the noise impacts and to determine existing noise levels; recommended applicable noise criteria; modeled the noise from subsonic and supersonic F-22 aircraft flights; and prepared the noise sections for the environmental assessment. Acentech also updated the modeling associated with the existing AICUZ.

The above figure displays the change in noise exposure around Dobbins AFB. The red noise exposure contours indicate the no build alternative and the blue noise exposure contours are for the proposed project. The number of acres, residences and people exposed to the airbase noise were estimated using Noisemap and GIS tools.



The F-22, the next generation of supersonic jet fighter technology.