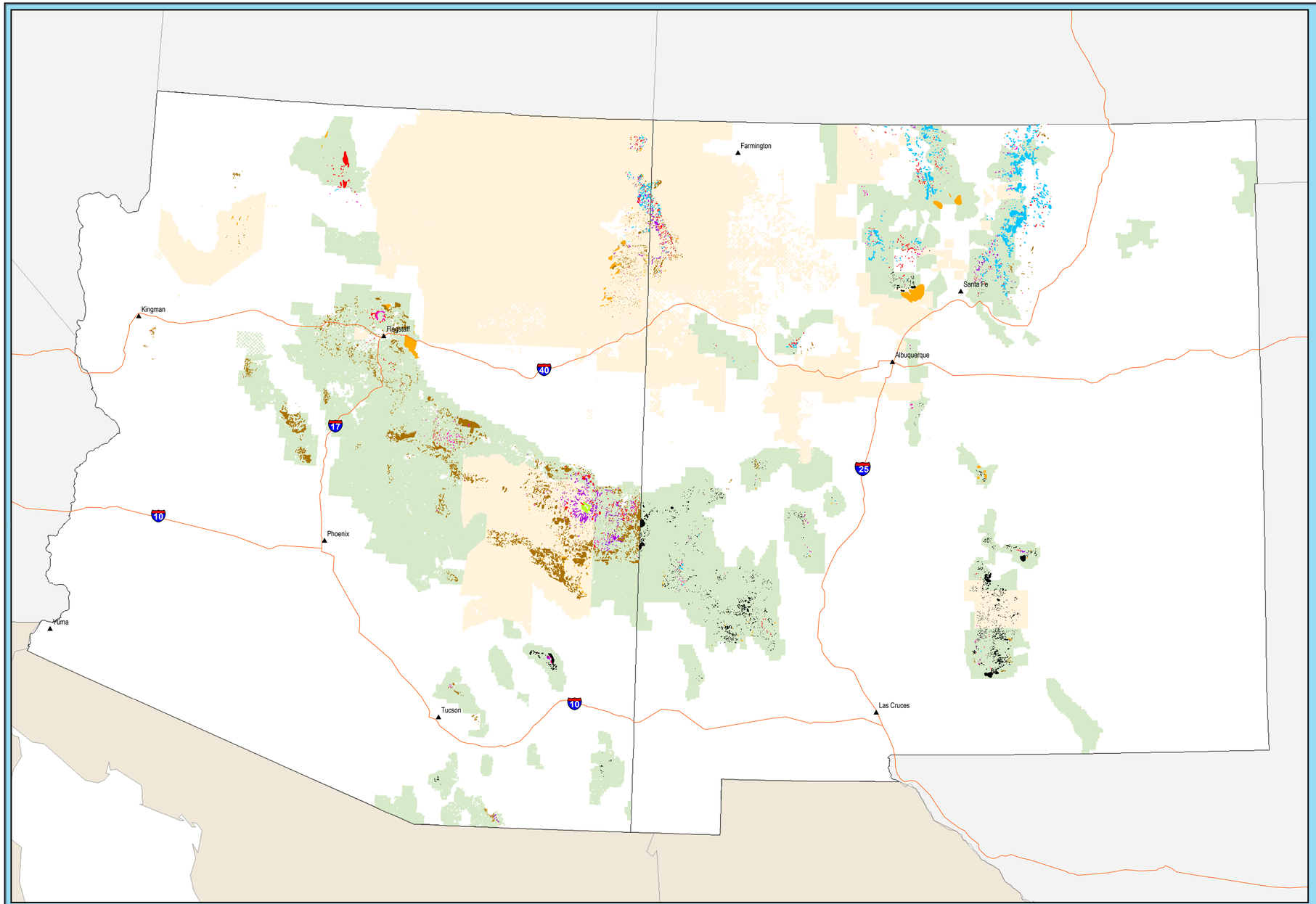

Legend

- Ips engraver on ponderosa pine
- Western pine beetle/roundheaded pine beetle
- Spruce beetle
- Piñon ips
- True fir mortality from bark beetles
- Looper (undetermined species)
- Western spruce budworm defoliation
- Aspen defoliation
- National Forest Lands
- Tribal Lands

N
W E
S

0 25 50 100 150 Miles

New Mexico survey conducted July and August, 2002.
Federal and Tribal lands surveyed by Richard Norris, Forest Health, New Mexico Zone Office, Southwestern Region, USDA Forest Service.
State and private lands surveyed by Robert Cain, New Mexico State University Cooperative Extension Service.

Arizona survey conducted July through September, 2002.
Federal and Tribal lands surveyed by Steve Dudley and Bobbe Fitzgibbon, Forest Health, Arizona Zone Office, Southwestern Region, USDA Forest Service.
State and private lands surveyed by Doug Rautenkranz, University of Arizona, Arizona Forest Health Program.

Due to map scale, only agents affecting greater than 5,000 acres Region-wide are depicted here.

Significant Forest Insect Activity Detected through Aerial Survey

Southwestern Region - 2002

2/19/03