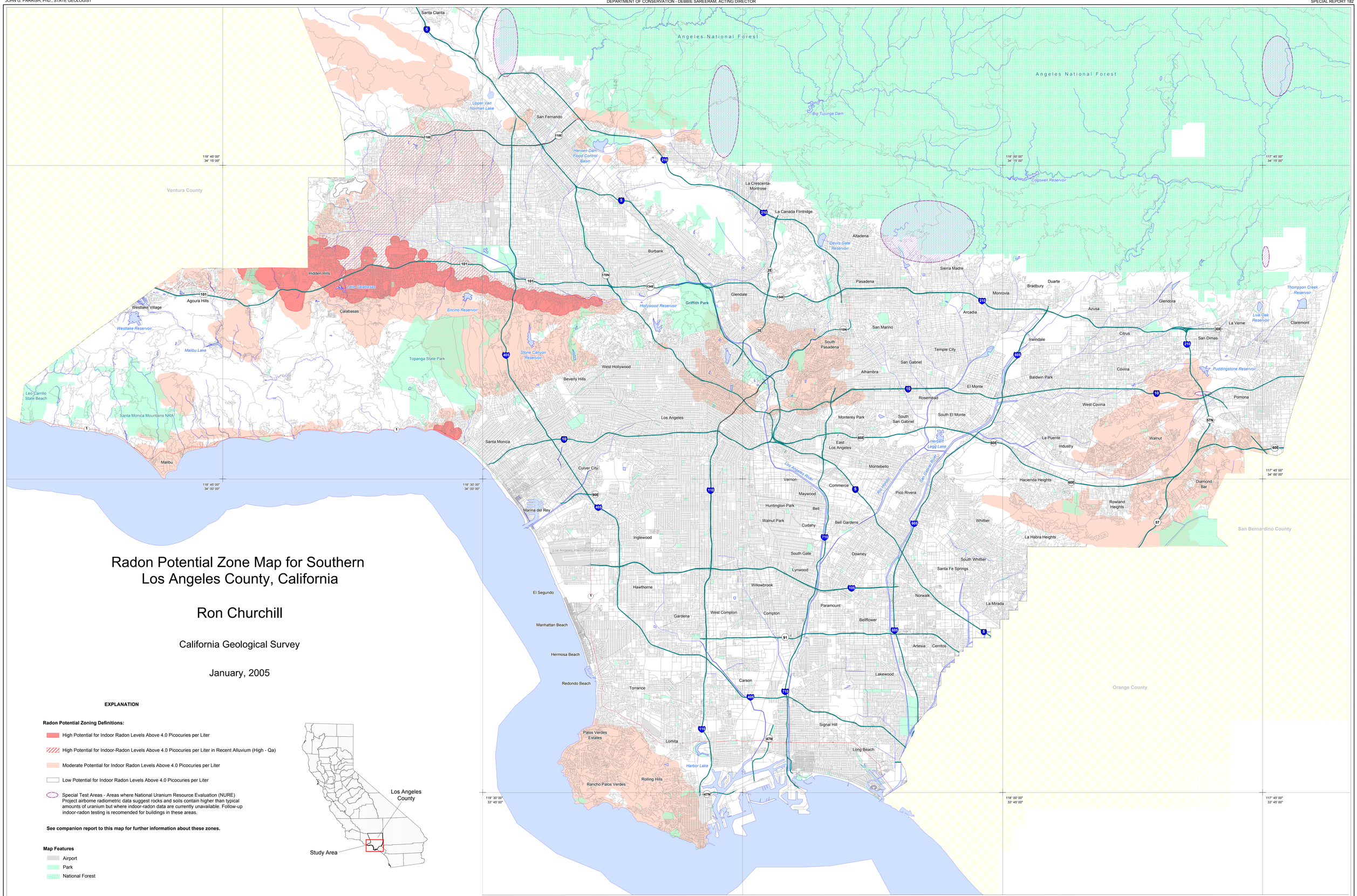

Radon Potential Zone Map for Southern Los Angeles County, California

Ron Churchill

California Geological Survey

January, 2005

EXPLANATION

Radon Potential Zoning Definitions:

- High Potential for Indoor Radon Levels Above 4.0 Picocuries per Liter
- High Potential for Indoor-Radon Levels Above 4.0 Picocuries per Liter in Recent Alluvium (High - Qa)
- Moderate Potential for Indoor Radon Levels Above 4.0 Picocuries per Liter
- Low Potential for Indoor Radon Levels Above 4.0 Picocuries per Liter
- Special Test Areas - Areas where National Uranium Resource Evaluation (NURE) Project airborne radiometric data suggest rocks and soils contain higher than typical amounts of uranium but where indoor-radon data are currently unavailable. Follow-up indoor-radon testing is recomended for buildings in these areas.

See companion report to this map for further information about these zones.

Map Features

- Airport
- Park
- National Forest

N

1 0 1 2 3 4 5
Miles

2 0 2 4 6
Kilometers

Scale: 1:100,000

MAP USAGE AND LIMITATIONS

This map identifies areas within Los Angeles County where geologic conditions are more likely to contribute to excessive indoor radon levels. It is intended to assist national, state and local governments and organizations in targeting their radon program activities and resources. This map is not intended for determining which buildings have excessive indoor radon levels. In addition to geology, indoor radon levels can be influenced by local variability in factors such as soil permeability and climatic conditions, and by factors such as building design, construction, condition, and usage. Consequently, building-specific radon levels can only be determined by indoor radon testing. No warranty as to actual radon levels at specific sites in Los Angeles County is expressed or implied by this map or the accompanying report.

The U.S. Environmental Protection Agency (EPA) recommends that all homes be tested for radon whatever their geographic location. Homes with elevated radon levels have been found in all three zones (High, Moderate, and Low) within Los Angeles County. The U.S. EPA recommends that action be taken to reduce radon in homes with an average annual level higher than four picocuries per liter (4.0 pCi/l).

Questions regarding this map should be directed to:

California Department of Health Services Radon Program,
George Faggella, phone (916) 449-5674
California Geological Survey, Ron Churchill, phone (916) 327-0745

Additional information about radon can be found at the following websites:

California Department of Health Services Radon Program:
http://www.dhs.ca.gov/ps/ddwem/environmental/radon/radon.htm
California Geological Survey-Mineral Hazards Project:
http://www.consrv.ca.gov/cgs/minerals/hazardous_minerals/radon/index.htm
U.S. EPA: http://www.epa.gov/iaq/radon/

Prepared by the California Department of Conservation, California Geological Survey
for the California Department of Health Services, Environmental Health Division,
January 2005, According to Interagency Agreement DOC #1002-35R.

Map Design and Layout by Milton Fonseca

Copyright © 2005 by the California Department of Conservation, California Geological Survey. All rights reserved. No part of this publication may be reproduced without written consent of the California Geological Survey.
A digital version of the radon zone location layers is available from the California Department of Conservation, California Geological Survey, 801 K Street, MS 08-36, Sacramento, CA 95814-3531.
Base map derived from U.S. Census Bureau, 2000 TIGER Data.