

# ALBUQUERQUE VOLCANOES

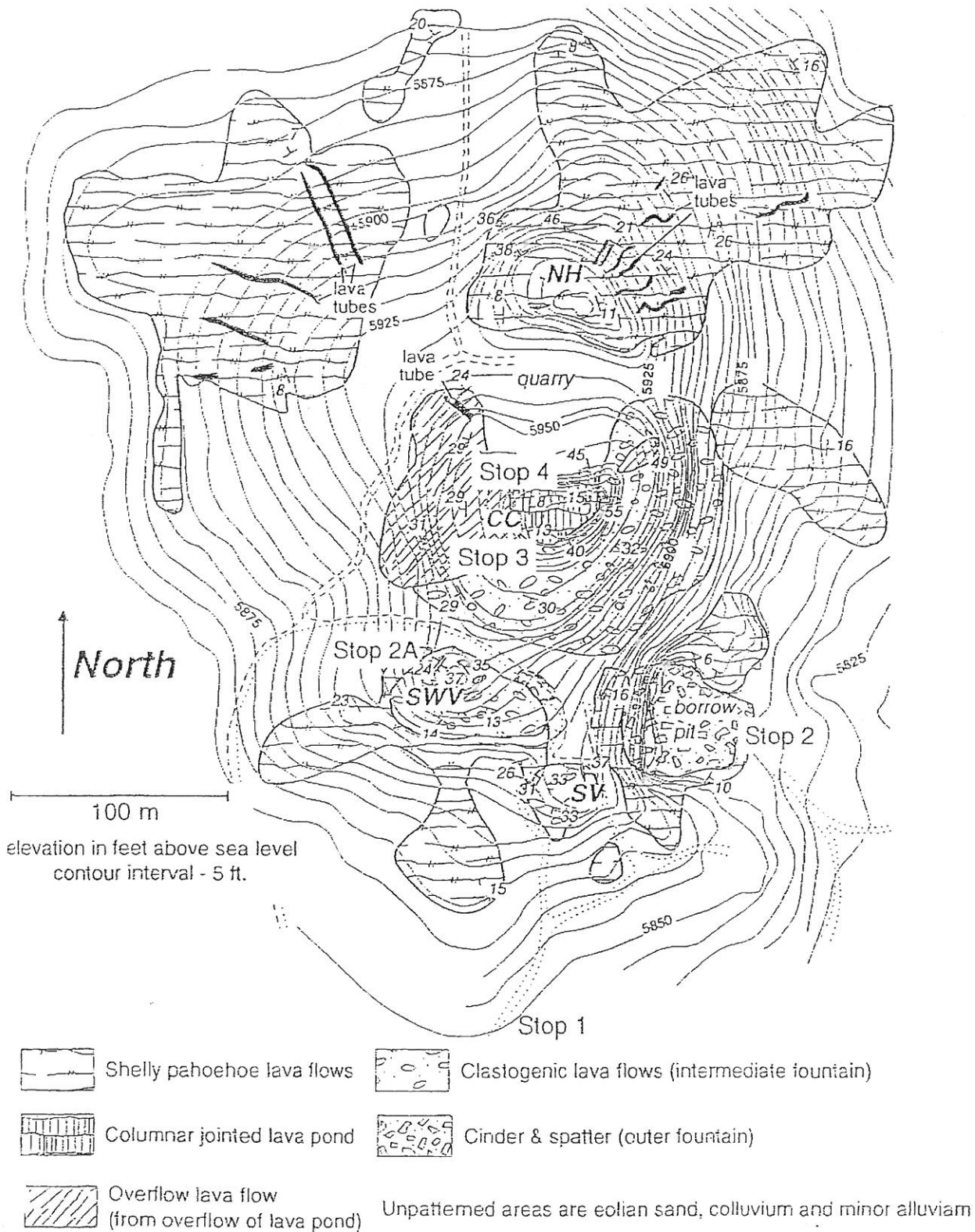


*The Rock Hound  
Detective*

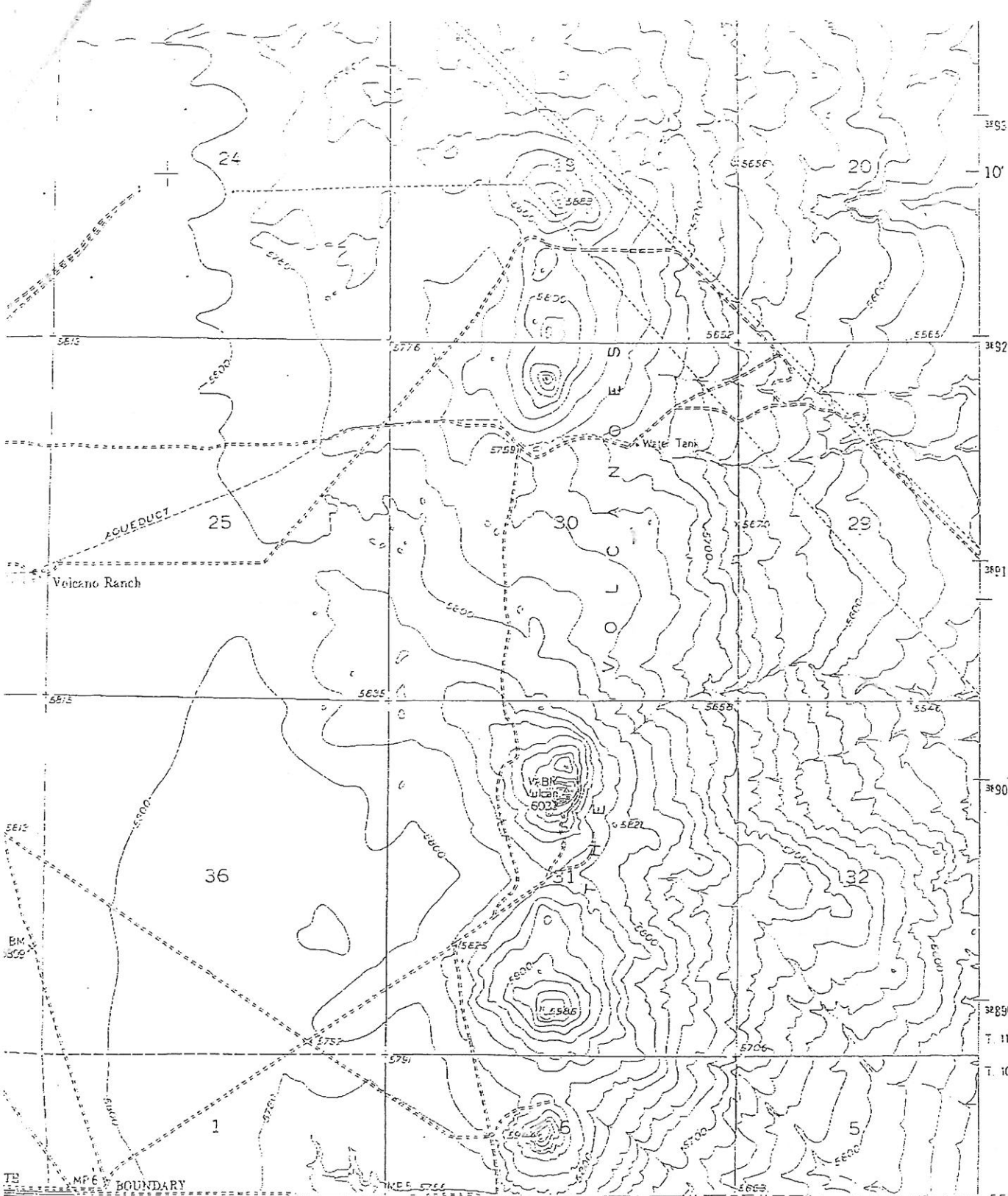
Name \_\_\_\_\_

Date \_\_\_\_\_

Figure 5: Detailed geologic map of Vulcan cone, modified and somewhat simplified from Smith et al. (1999:fig. 1).



(Simplified from Smith et al., 1999, fig. 1)

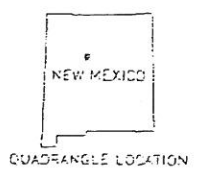


3895  
10'  
3892  
3891  
3890  
3889000m. N.  
T. 11 N.  
T. 10 N.

TE TO U.S. 66 47°30' 337 R. 1 E. R. 2 E. 338 INTERIOR GEOLOGICAL SURVEY, WASHINGTON, VIRGINIA - 1975 1:25,000 S.C. 10 MI. 35°07'30" 106°45'



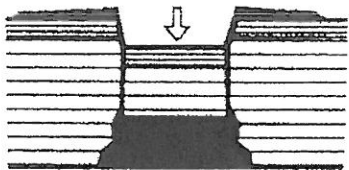
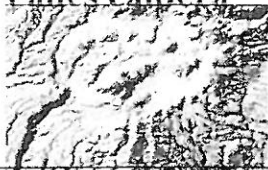




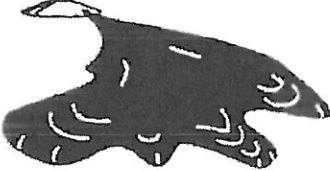

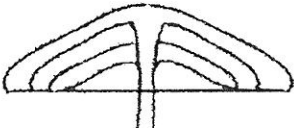
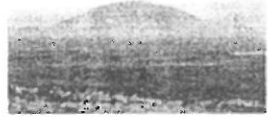
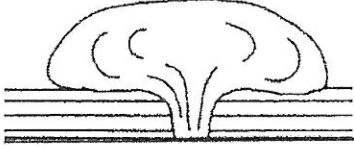
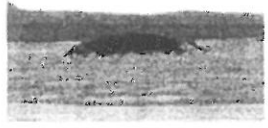


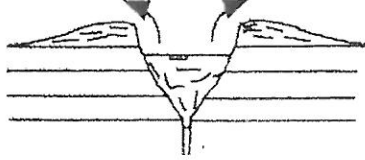
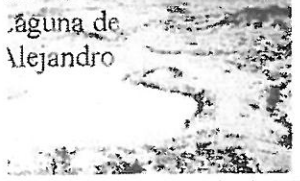
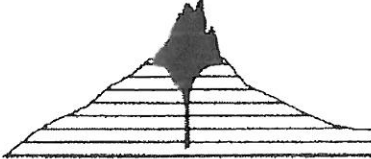
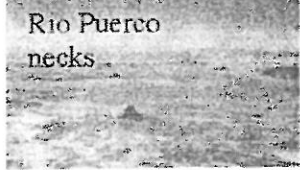
ROAD CLASSIFICATION  
Light-duty ..... Unimproved dirt .....



VOLCANO RANCH, N. MEX.  
N3507.5—W10645/7.5

CALEBUQUE ROAD  
26.5 11.5W

Fundamental Volcano Morphologies as Illustrated by New Mexico Examples

Volcano Type	VERY Simplified Conceptual Model	New Mexico Example
caldera		<p>Valles caldera</p> 
composite cone		<p>Mount Taylor</p> 
lava shield		<p>San Felipe</p> 
lava flows		<p>McCarthy</p> 
lava cone		<p>Ute Mtn</p> 
lava domes		<p>Cerro La Jara</p> 
scoria cones		<p>Cat Hills</p> 
maars		<p>Laguna de Alejandro</p> 
volcanic necks		<p>Rio Puerco necks</p> 

## Type and Age of Volcanoes in the Albuquerque Area

by Jayne Aubele and Larry Crumpler

Name of Volcano	Type of Volcano	Age of Volcano
Wind Mesa	Shield	4.0 my
Isleta volcano	Shield	2.8 my
Cerro Verde	Shield	~ 1 my
Mt. Taylor	Composite volcano	2.5 my
Los Lunas volcano	Composite volcano	1.3 my
Mesita Negra	Flow or intrusion	8.1 my
Lucero Mesa	Eroded/flow	3.7 my
Mesa Prieta	Flow	2.2 my
Benevidez	Maar	undated
Canjilon Hill	Maar	~ 2.5 my
Rio Puerco Necks (Cerro Cuate, Cabezon)	Volcanic necks or plugs	~2.5 my
Valles Caldera	Caldera	1.1 my
Jemez Mountains	Flows/domes/calderas	14 my to 40,000
Taos Volcanic Field	Flows/domes/cones	2-4 my
Cerros del Rio	Cinder cones/flows	2.6 my
San Felipe volcanic field	Shield & cinder cones/flows	2.5 my
Mt. Taylor volcanic field	Cinder cones & domes/flows	2.5 my
Albuquerque Volcanoes	Cinder cones (fissure)/flows	150,000 yrs.
Cat Hills	Cinder cones (fissure)/flows	140,000 yrs.
Socorro magma body	Intrusion	To Be Announced
Black Butte	Eroded/unknown	undated
Tome	Eroded/unknown	undated
Mohinas Mountain	Eroded/unknown	undated
Hidden Mountain	Eroded/unknown	undated
Cerro Colorado	Eroded/dome	undated