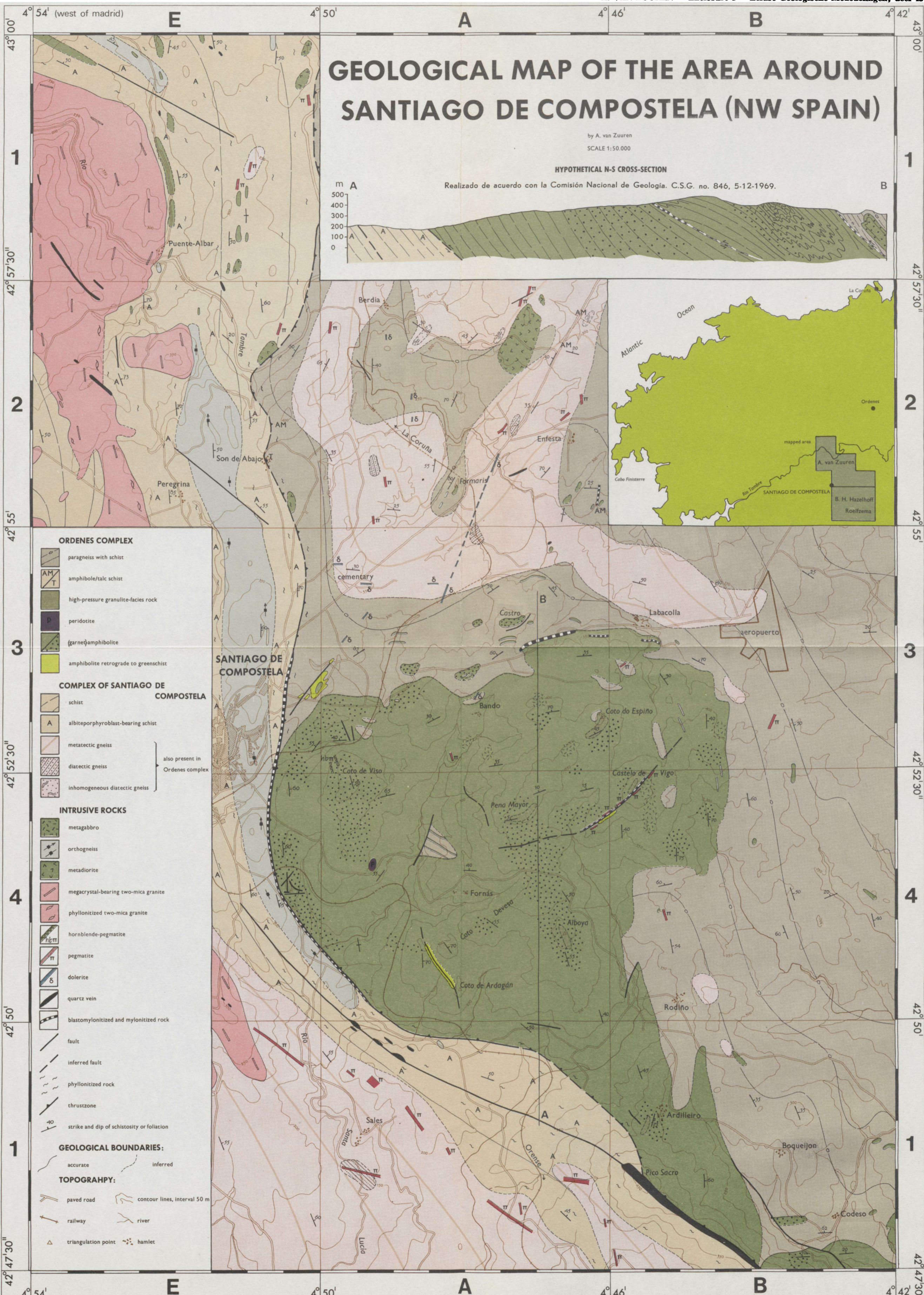# GEOLOGICAL MAP OF THE AREA AROUND SANTIAGO DE COMPOSTELA (NW SPAIN)

by A. van Zuuren

SCALE 1:50.000

HYPOTHETICAL N-S CROSS-SECTION

Realizado de acuerdo con la Comisión Nacional de Geología. C.S.G. no. 846, 5-12-1969.

m A
500
400
300
200
100
0

ORDENES COMPLEX

- paragneiss with schist
- amphibole/talc schist
- high-pressure granulite-facies rock
- peridotite
- (garnet)-amphibolite
- amphibolite retrograde to greenschist

COMPLEX OF SANTIAGO DE COMPOSTELA

- schist
- albiteporphyroblast-bearing schist
- metatectic gneiss
- diatectic gneiss — also present in Ordenes complex
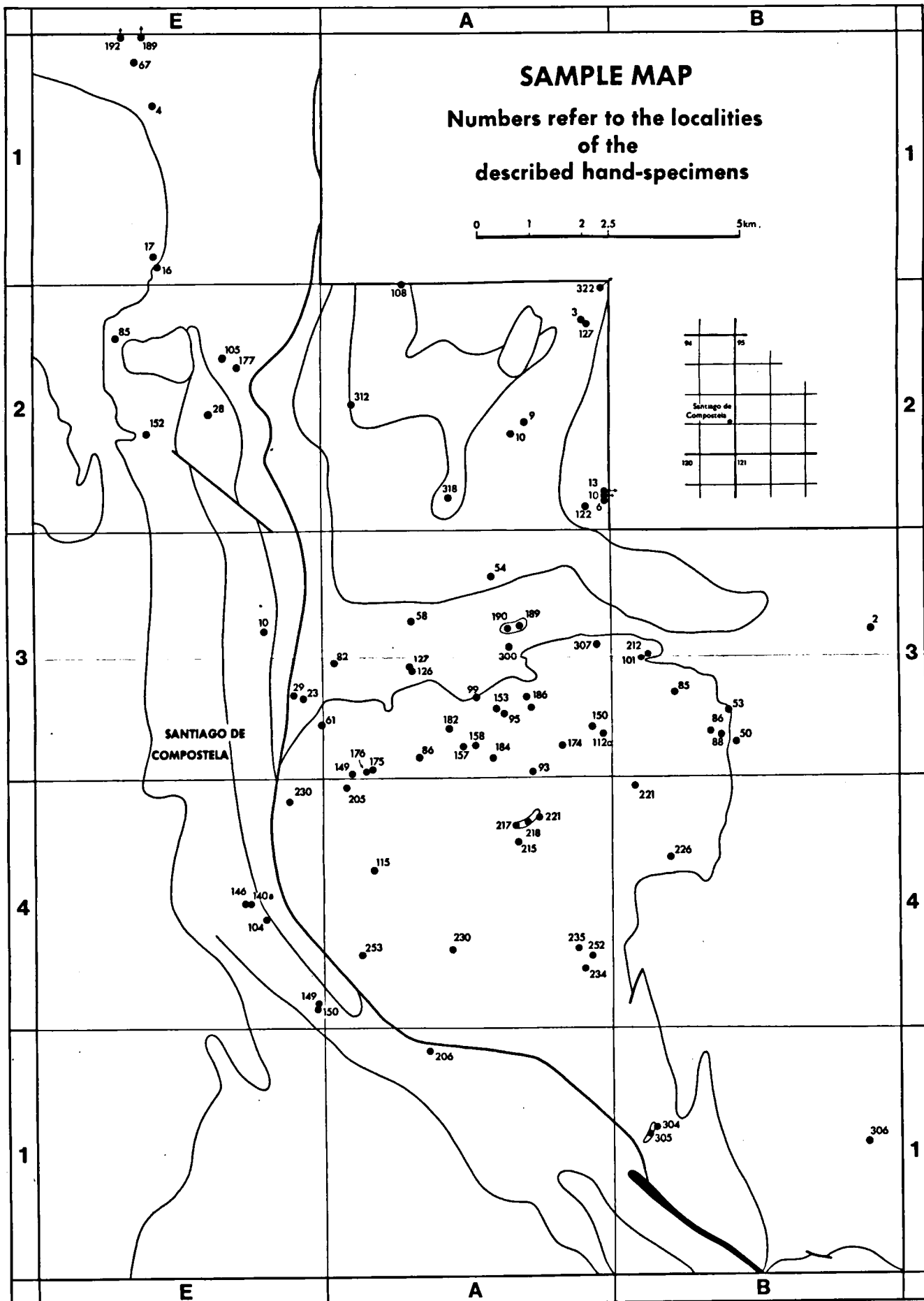- inhomogeneous diatectic gneiss

INTRUSIVE ROCKS

- metagabbro
- orthogneiss
- metadiorite
- megacrystal-bearing two-mica granite
- phyllonitized two-mica granite
- hornblende-pegmatite
- pegmatite
- dolerite
- quartz vein
- blastomylonitized and mylonitized rock
- fault
- inferred fault
- phyllonitized rock
- thrustzone
- strike and dip of schistosity or foliation

GEOLOGICAL BOUNDARIES:

- accurate
- inferred

TOPOGRAHPY:

- paved road
- contour lines, interval 50 m
- railway
- river
- triangulation point
- hamlet

Atlantic Ocean
La Coruña
Ordenes
mapped area
A. van Zuuren
SANTIAGO DE COMPOSTELA
B. H. Hazelhoff Roelfzema
Cabo Finisterre
Río Tambre

Puente-Albar
Río
Tambre
Son de Abajo
Peregrina
Berdia
La Coruña
Farmaris
Enfesta
cementary
Castro
Labacolla
aeropuerto
SANTIAGO DE COMPOSTELA
Bando
Coto do Espiño
Coto de Viso
Castelo de Vigo
Pena Mayor
Fornás
Coto Deveza
Alboya
Coto de Ardagán
Rodiño
Sales
Ardilleiro
Boqueijon
Pico Sacro
Lucía
Codeso

SAMPLE MAP

Numbers refer to the localities
of the
described hand-specimens

STRUCTURAL MAP OF THE AREA NEAR SANTIAGO DE COMPOSTELA (NW SPAIN)

SCALE 1 : 50.000

LEGEND

- → F₁ linear structure
- → F₂ linear structure
- → F₃ linear structure
- → F₄ linear structure
- F₅ linear structure (plotted in diagram 14)
- F₆ linear structure
- (open arrows indicate mineral lineations)
- trace of the axial plane of an antiform
- trace of the axial plane of a synform

geographically oriented, lower hemisphere diagrams (π-diagrams) with measurements of linear structures — contours at density 1, 3, 5, 7, 9, 15, 20

- extrapolated idealized structural lines (s₁ often parallel to s₂)
- locality where the relationship between s₃ and s₄ can be observed
- subareas referred to π-diagrams 1-12
- fault
- blastomylonitized and mylonitized rocks
- thrustzone

geological boundaries: accurate   inferred