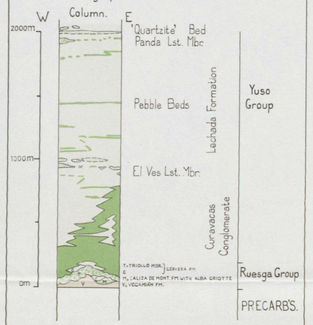
GEOLOGICAL MAP and SECTIONS of the YUSO BASIN (Cantabrian Mountains, Spain.)

J.F. Savage 1966

Generalized Lithostratigraphic Column.



Granitic Intrusives

Geological boundaries: confirmed, doubtful, interpreted

Fault, with direction of hade: confirmed, constructed, interpreted

Dip (in degrees) and Strike

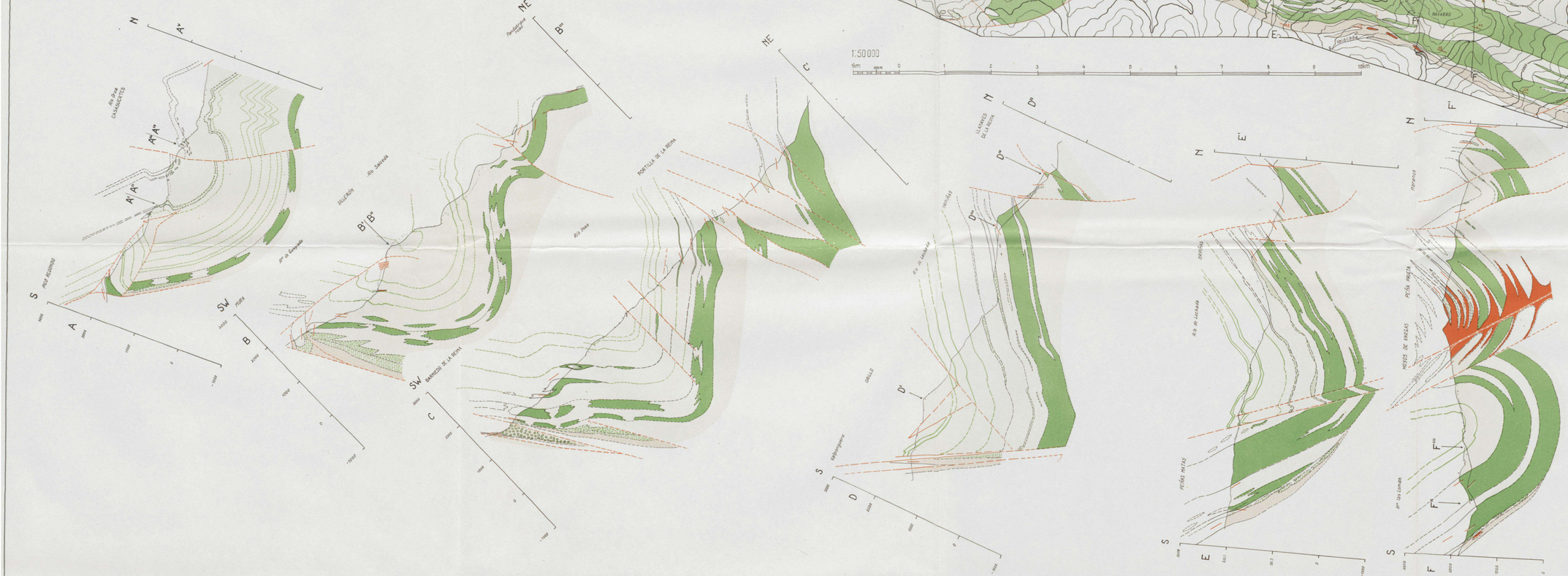
Overturned bedding

A — A' Line of Section viewed from barbed side

Topography of Section with points of detailed measurements

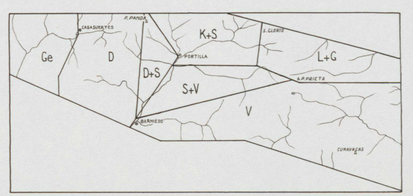


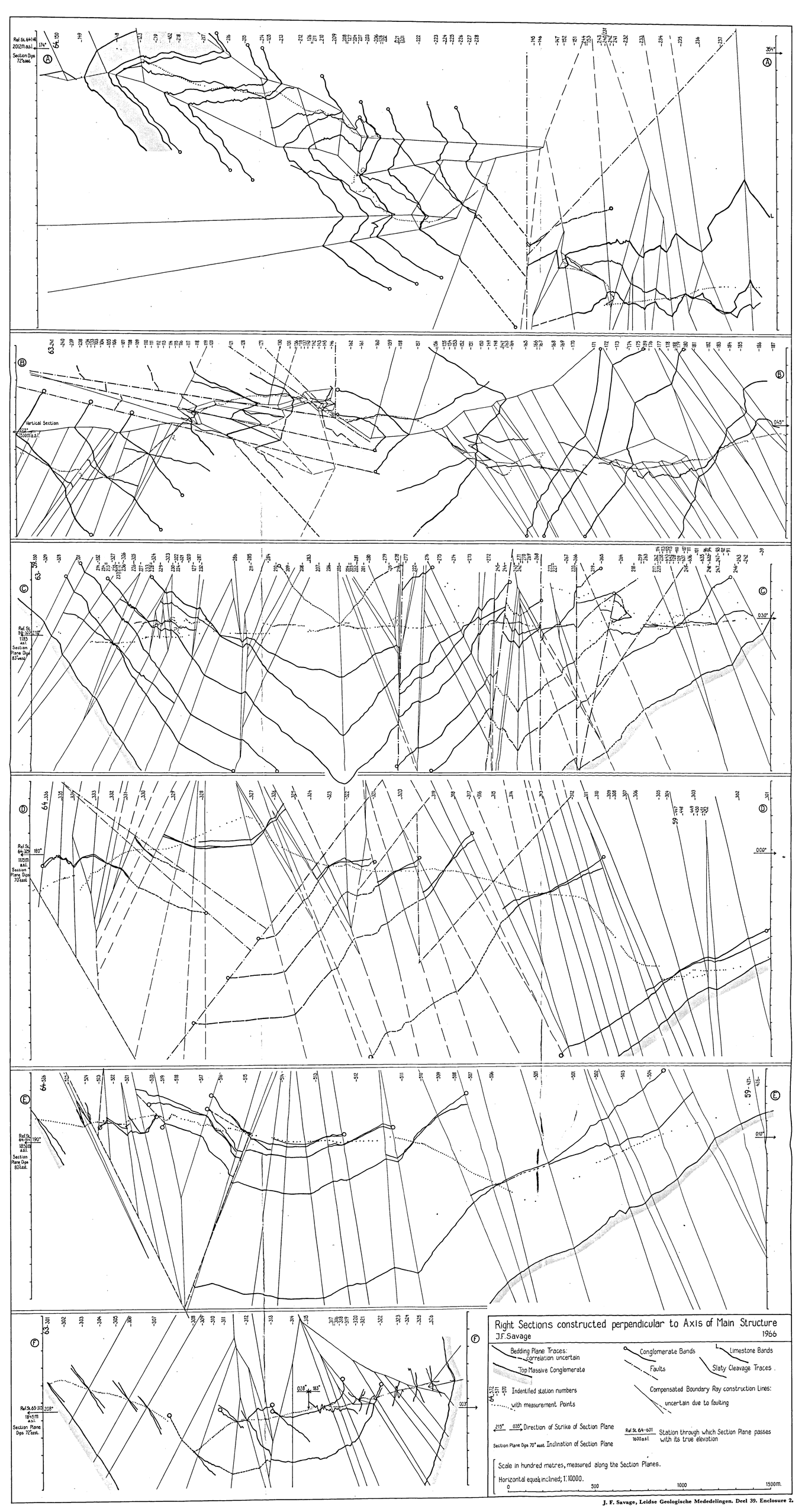
Arrangement of sheets of Instituto Geográfico y Catastral 1:50.000 series used as topographic base



Sketchmap showing areas previously mapped by the following geologists:

D = H. Diederix (1965)
G = G.J.B. Germs (pers. comm)
Ge = A.A. Gerrits (1965)
K = P. Kamerling (1962)
L = P. Leidelmeyer (1964)
S = J.F. Savage (1961)
V = J. van Veen (1965)




Ref St. 64-149 2012m a.s.l.
174°
Section Dips 72° east.
194°
Vertical Section
Ref St. 63-241 1500m a.s.l.
045°
Ref St. 64-326 1185 m a.s.l.
Section Plane Dips 83° west.
030°
Ref St. 64-326 1125m a.s.l.
Section Plane Dips 70° east.
180°
000°
Ref St. 64-326 1250m a.s.l.
Section Plane Dips 80° east.
190°
010°
Ref St. 63-312 1845m a.s.l.
Section Plane Dips 72° east.
208°
028°
183°
003°
Right Sections constructed perpendicular to Axis of Main Structure
J.F. Savage
1966
Bedding Plane Traces: Correlation uncertain
Top Massive Conglomerate
Conglomerate Bands
Faults
Limestone Bands
Slaty Cleavage Traces
Identified station numbers
with measurement Points
Compensated Boundary Ray construction Lines:
uncertain due to faulting
215° 035° Direction of Strike of Section Plane
Section Plane Dips 70° east. Inclination of Section Plane
Ref St. 64-601 1600 a.s.l. Station through which Section Plane passes with its true elevation
Scale in hundred metres, measured along the Section Planes.
Horizontal equals inclined; 1:10000.
0
500
1000
1500m.

ORIENTATION DIAGRAMS CORRESPONDING TO RIGHT SECTIONS.

J. F. Savage 1967

Contoured with 1% counter at densities: E + 3σ; E + 9σ; E + 15σ; E + 21σ; E + 27σ; E + 33σ; E + 39σ.

⊗ Position of Kamb maxium, value and orientation given.

πS_s : Poles to Bedding Planes.
πS_1 : Poles to Slaty Cleavage Planes.
$\pi S_2\ S_3$: Poles to Fracture Cleavage Planes.
$\pi B_s\ B_1\ B_2$: Poles to Axial Planes of Minor Folds.
δ_1 : Insections of Slaty Cleavage on Bedding.
$\delta_2\ \delta_3$: Intersections of Fracture Cleavage on Bedding.
$B_s\ B_1\ B_2$: Plunges of Minor Folds; sedimentary, early and late.

