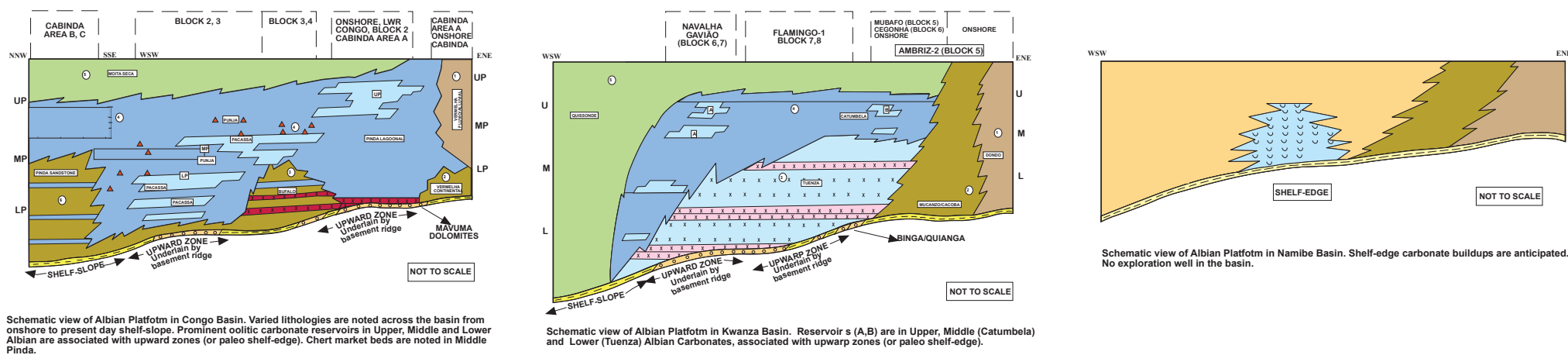




Biostratigraphy: explanation

1. Presal: Congo Basin

- 1. Cabinda Ostracods by Chevron: 1. Houzoualla africana, 2. Petrosabria spp.
- 2. Cypridae (Sebastianites), 4. Reconcoana,
- 5. Paracypridae, 6. Tucanocypris, 7. Melacypris.

Lower Congo Ostracods: Zonation by Grossdidier, E.

Lower Congo Calcareous Nannoplankton: Zonation by Sissingh, 1977.

- 1. A) C. litterarius B) M. obtusus

Cabinda Palynomorphs: Zonation by Chevron

Congo Palynomorphs: Zonation by Drapeau, 1984.

Kwanza Basin

Ostracods: 1. Cypridae spp. 2. Houzoualla africana

3. Cypridae aff. salvadorensis, 4. Petrosabria tenuistriata

5. Cypridae spp. 6. Cardinia cf. gregaria, 7. Reconcoana? 7 polita,

8. Paracypridae brasiliensis

Calcareous nannoplankton: similar to Congo

Palynomorphs: Zonation by A Doerenkamp

- 1. Gecapsolespientes 2. Caticaricospientes diversus
- 3. Monosulcoides, 4. Araucarioides, 5. Classopollis classoides,
- 6. Dicheipollis etruscus, 7. Clavipollentites hugheissi,
- 8. Gecapsolespientes cf. yennuensis

Biostratigraphy: explanation

Bio 2. Albanian - Cenomanian (zonation based on Gofas, 1985)

Albian: Planktonic Foraminifer: *Favusella wahlensis*;
Benthonic Foraminifer: *Trocholina silvia*; *Veenia* spp. (Ostracods)
Nannocornus donatensis (Calcareous Nannoplankton);
Almonalia berthelini (Benthonic Foraminifer)

Cenomanian: Dominated by Planktonics.
Common Occurrence is Hedbergellids and Retalliporids.

Bio 3. Turonian to Maestrichtian (zonation based on Gofas, 1985)

Planktonic Zone CS 9-Rugoglobuligerina; CS 8/8 - Contusotruncana formicata;

CS 5 - Dicarinella carinata; CS 4 - Praeglobotruncana inornata;

CS 3 - Archaeoglobuligerina; CS 2 - Whiteinella spp.

Benthonics: BCS 8/9 - Orthokarstenia clavata;

BCS 6/7 - Orthokarstenia dentata/Gabonita elongata;

BCS 4/5 - Stensioeina spp;

BCS 2/3 - Gabonita obesa/Dorothia oxycona

Biostratigraphy: explanation

4. **Paleocene - Eocene** (zonation based on Gofas, 1985).

Planktonic: TT 1 - Globorotalia trinidadensis/Globigerina praereticata; TT 2 - Morozovella angulata; TT 3 - Globobulimina velascoensis; TT 4 - Globobulimina aequilensis/formis.

Benthonic: BT1 - BT3 - Bolivia africana Epionides primordialis/Rectuvagina subuloides/Nuttallides; BT15 - Uvigerina spp. BT1 - Epionides elevatus.

Biostratigraphy: Explanation

5. **Oligocene - Miocene** **Pliocene**

Planktonics (zonation based on Meijer, 1972)

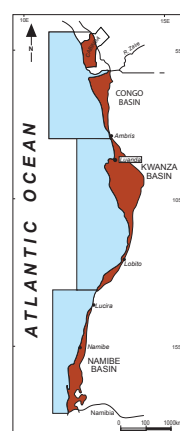
TT1 - Globigerina ampliapertura; TS 2 - Globorotalia angulicostata; TS 3 - Globorotaloides primordialis; TS 4 - Globorotalia inflata; TS 5 - Globorotalia inflata; TS 6 - Globorotalia foxti s.l.; TS 7 - Globorotalia asiaticus; TS 8 - Globorotalia renardii; TS 9 - Globorotalia asiaticus; TS 10 - Globorotalia margaritae.

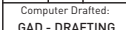
Benthonics (zonation based on Gofas, 1985)

BTS 1 - Uvigerina alazanensis;
BTS 2/3 - Gavellinita stenzeli/Uvigerina mantaensis;
BTS 4 - Gavellina batesi; BTS 5/6 - Epionides eshrifi/ Bolivia intermixta;
BTS 6/7 - Marginalia costata;
BTS 10 - Rectuvagina shigopenioides.

EXPLANATION OF TECTONIC PHASE:	
PHASE-I	: LANDSCAPE OF EXTREME PENEPLANATION
PHASE-II	: DOMING AND FLOOD BASALT ERUPTION DEPOSITED FLUVIO-ALLUVIAL SEDIMENT.
PHASE-III	: RIFTING AND CONTINENTAL EXTENSION, DEPOSITED CONTINENTAL AND LACUSTRINE SEDIMENT.
PHASE-IV	: THERMAL SUBSIDENCE, EVAPORITE FORMATION DEPOSITED MARINE DOMINATED SEDIMENT, SEA-LEVEL RISE.
PHASE-V	: ACCELERATED PLATE SEPARATION AND FURTHER SEA-LEVEL RISE.
PHASE-VI	: DROP IN RATE OF PLATE SEPARATION, FALL IN SEA-LEVEL.
PHASE-VII	: SUBSTANTIAL FALL IN SEA-LEVEL, NO DEPOSITION ON THE MARGIN. WESTWARD TILT AND STRONG UPLIFT
PHASE-VIII	: RISE FOLLOWED BY FALL IN SEA-LEVEL LEAD TO TRANSGRESSION AND REGRESSION. SECOND TIME, WESTWARD TILT AND MARGIN UPLIFT.

For elaboration of tectonic phase, Refer
"Avaliação de Formações de Angola",
"CH.LUMBERGER, 1981"



Autor: 11/00 DEX	
Computer Drafted: GAD - DRAFTING	DEX INTERPRETATION DEPT.
	BASIN STRATIGRAPHY