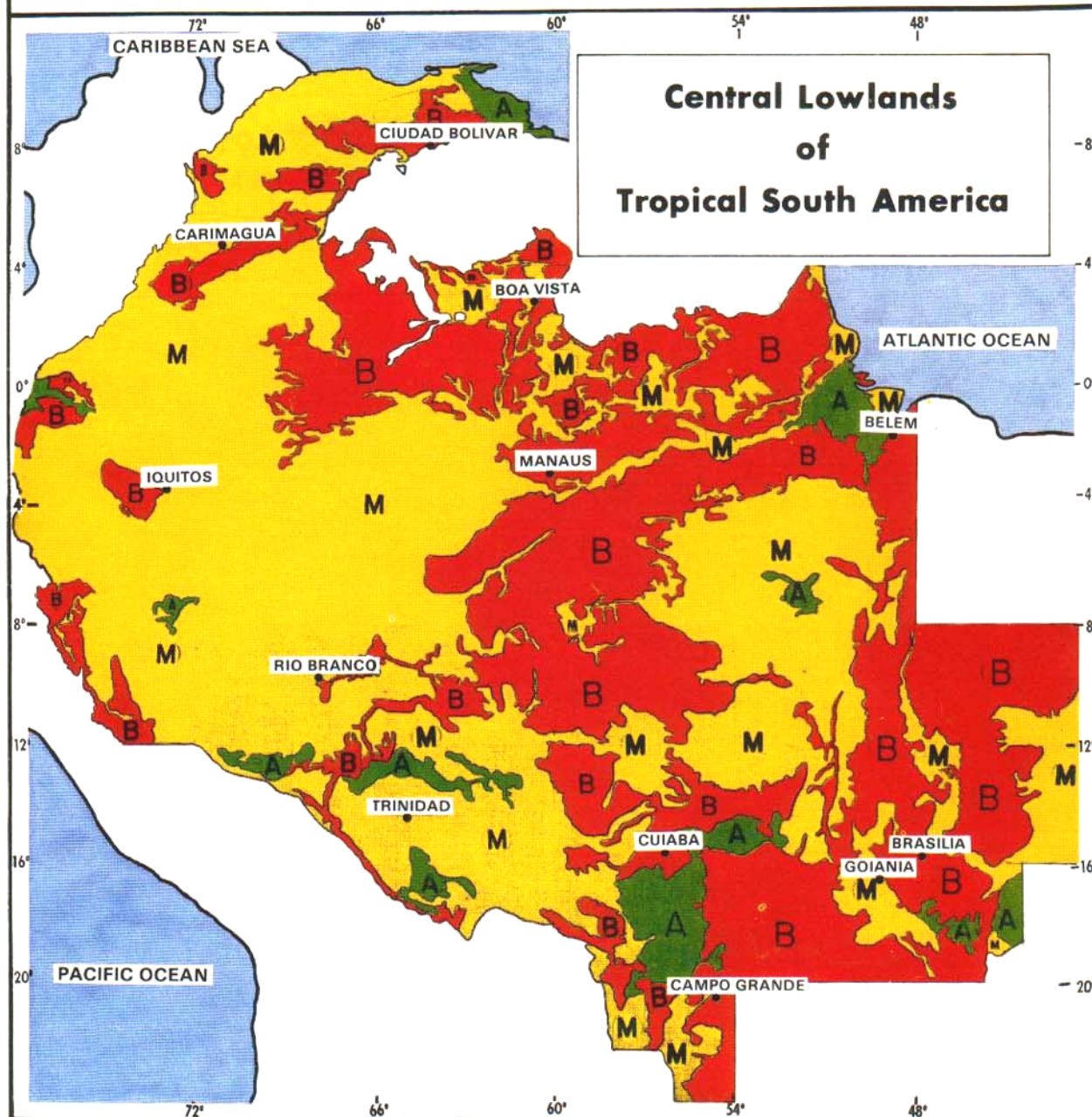
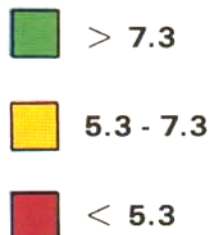
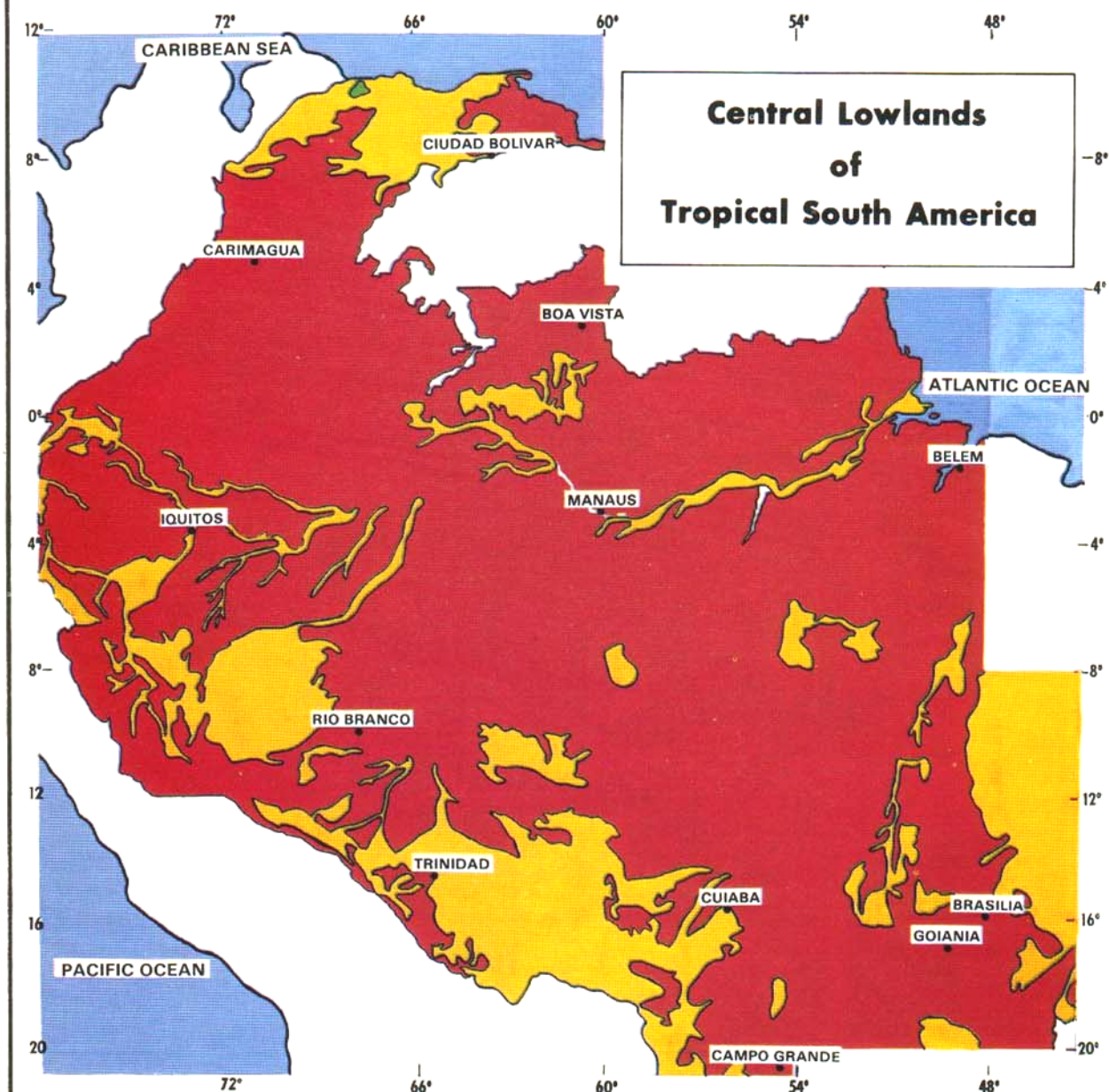


SOIL MOISTURE-HOLDING CAPACITY

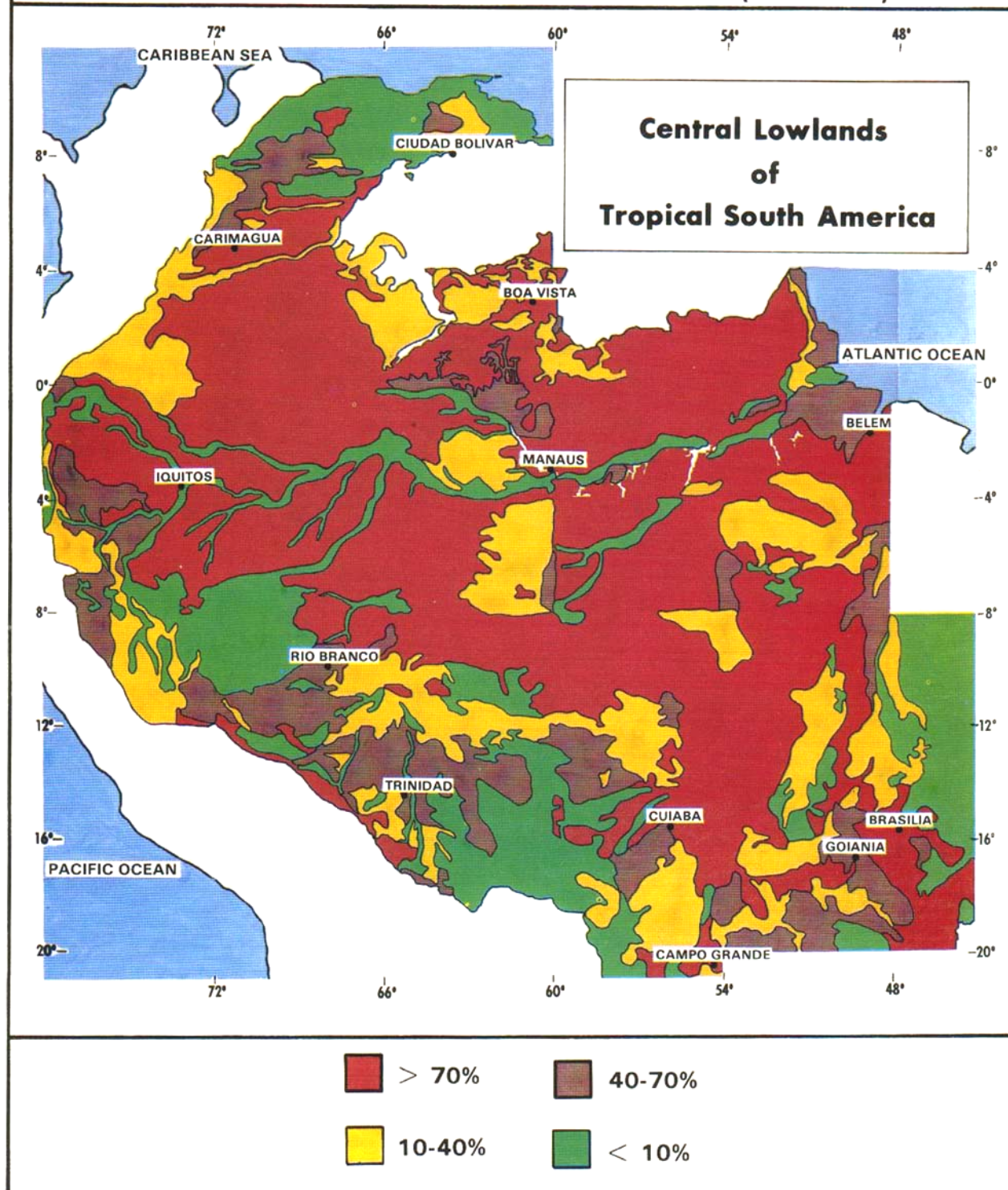


- A** > 150 mm per 100-cm soil depth
- M** 75–150 mm per 100-cm soil depth
- B** < 75 mm per 100-cm soil depth

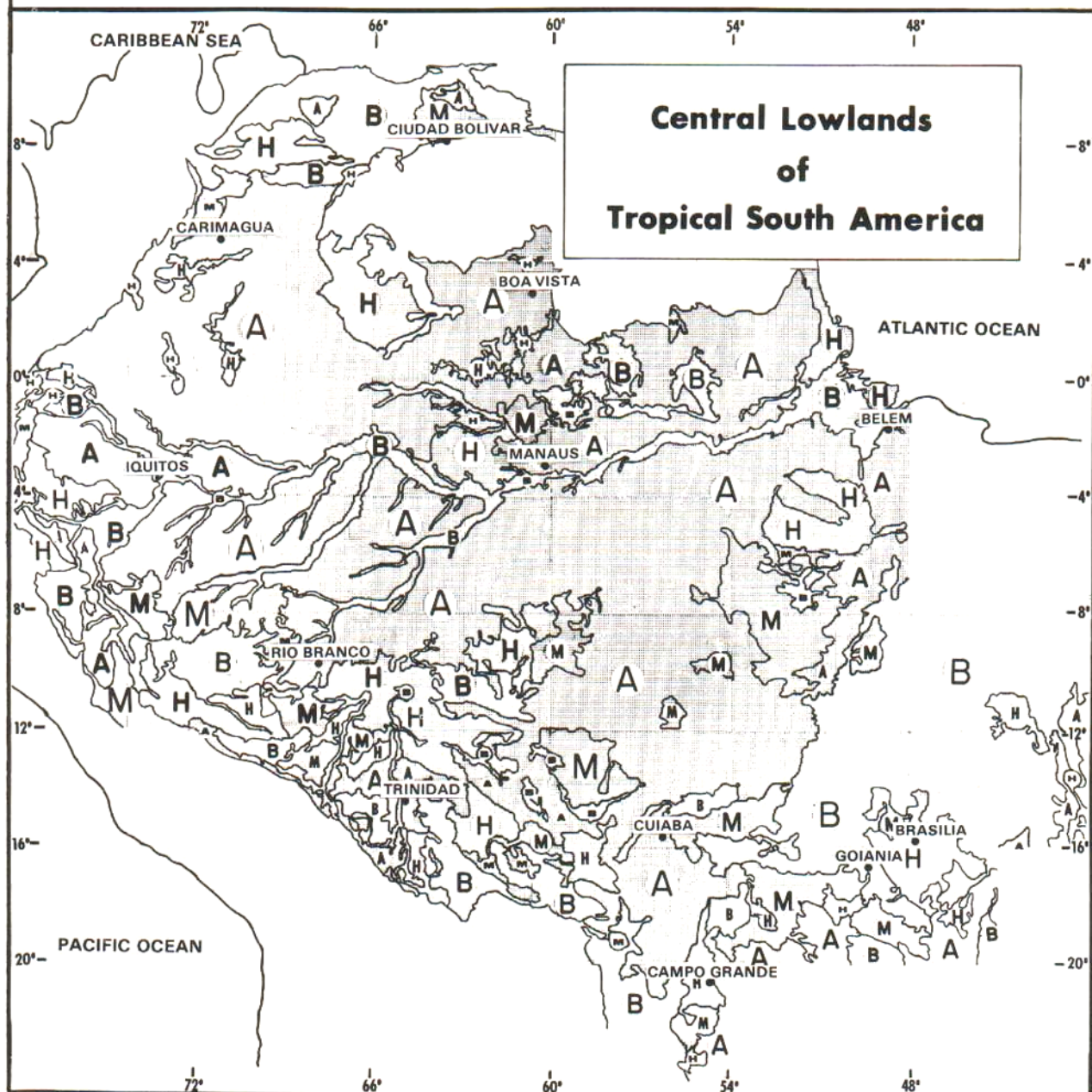
pH LEVELS IN TOPSOIL (0-20 cm)



AL SATURATION LEVELS IN TOPSOIL (0-20 cm)



AL SATURATION LEVELS IN SUBSOIL (21-50 cm)



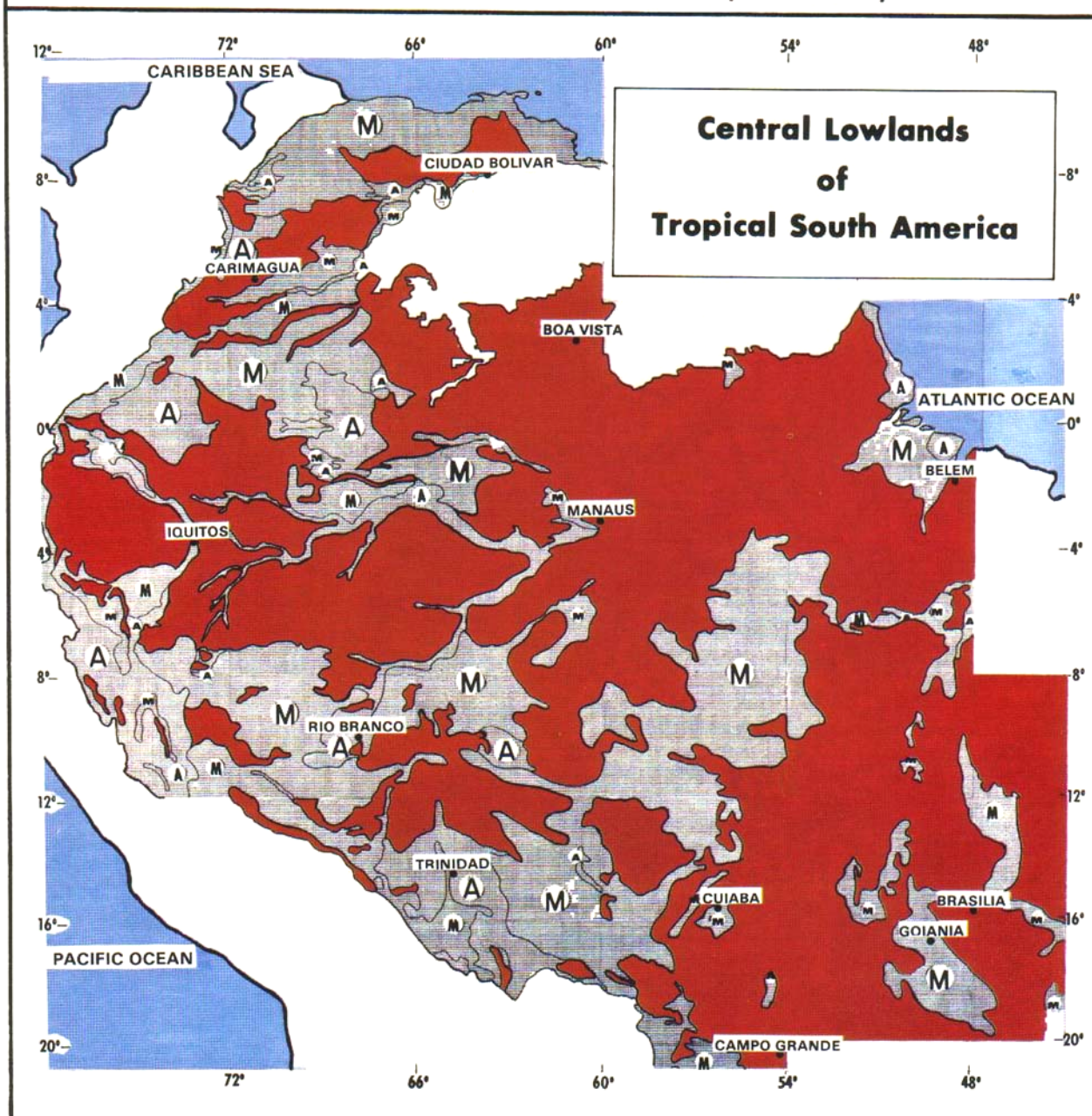
A > 70%

H 40 - 70%

M 10 - 40%

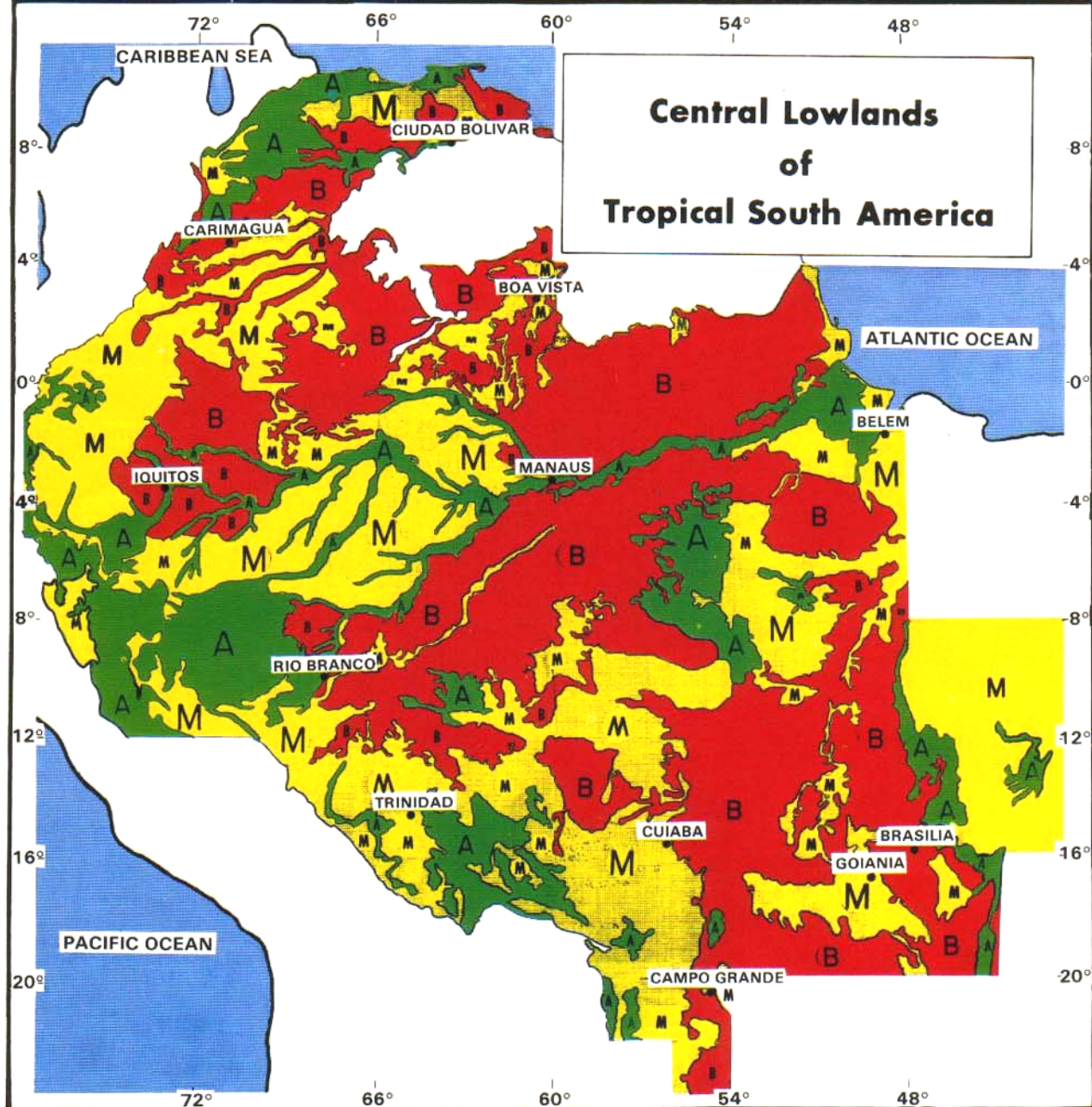
B < 10%

POTASH LEVELS IN TOPSOIL (0-20 cm)



- A** > 0.3 meq / 100 g soil
- M** 0.15-0.3 meq / 100 g soil
- Red** < 0.15 meq / 100 g soil

Ca LEVELS IN TOPSOIL (0–20 cm)

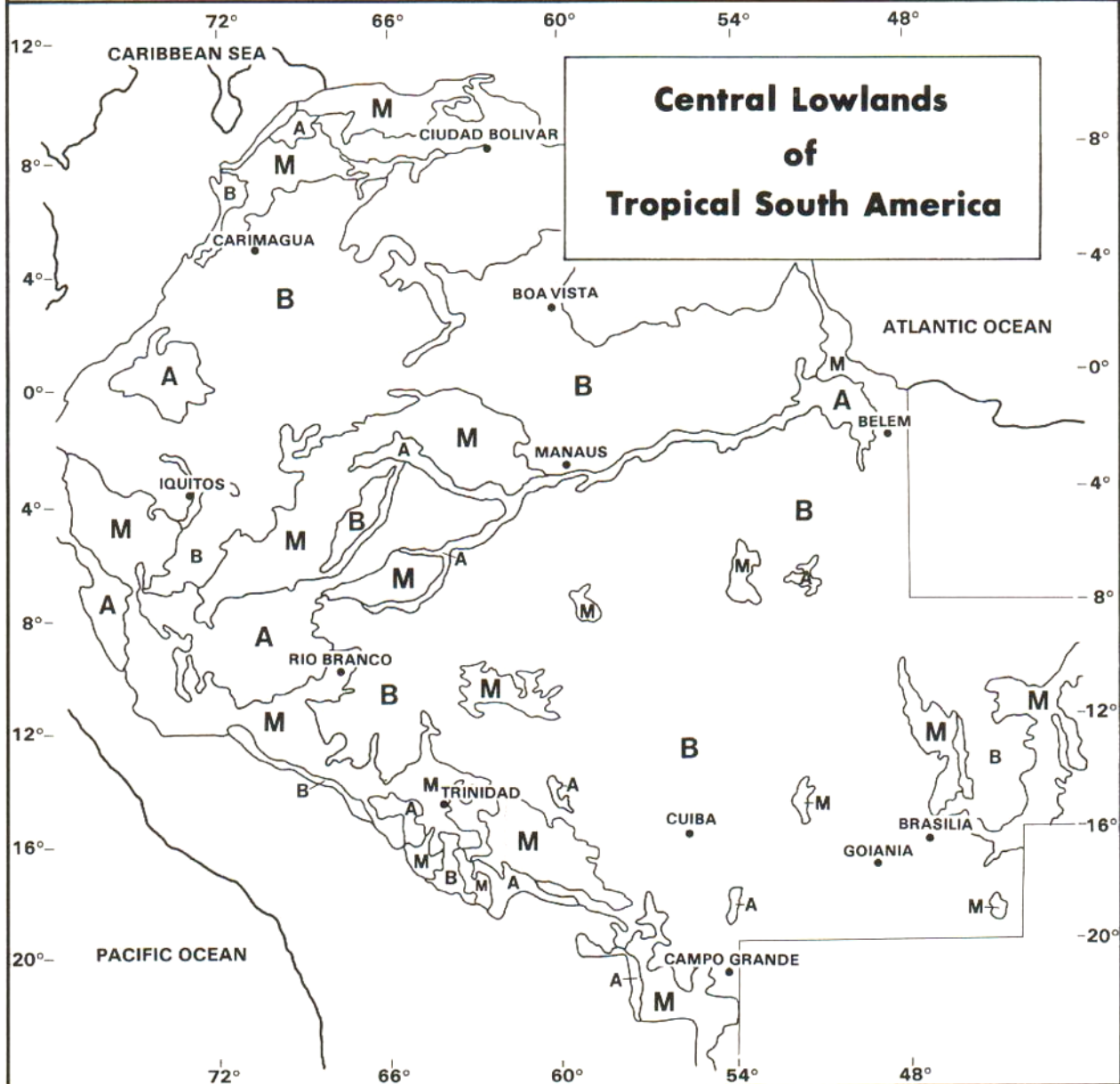


A > 4 meq/100 g soil

M 0.4–4 meq/100 g soil

B < 0.4 meq/100 g soil

Ca LEVELS IN SUBSOIL (21–50 cm)

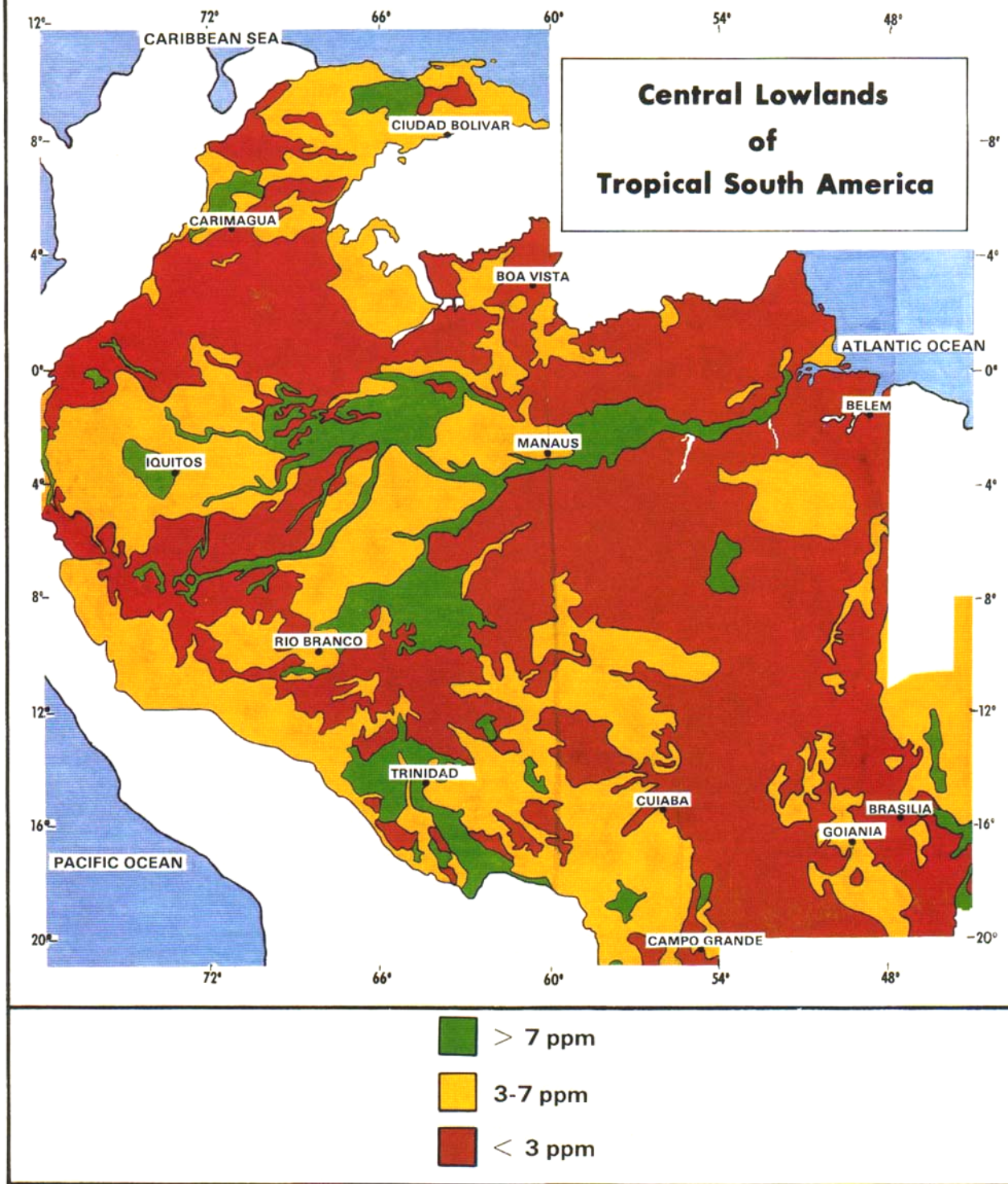


A > 4 meq/100 g soil

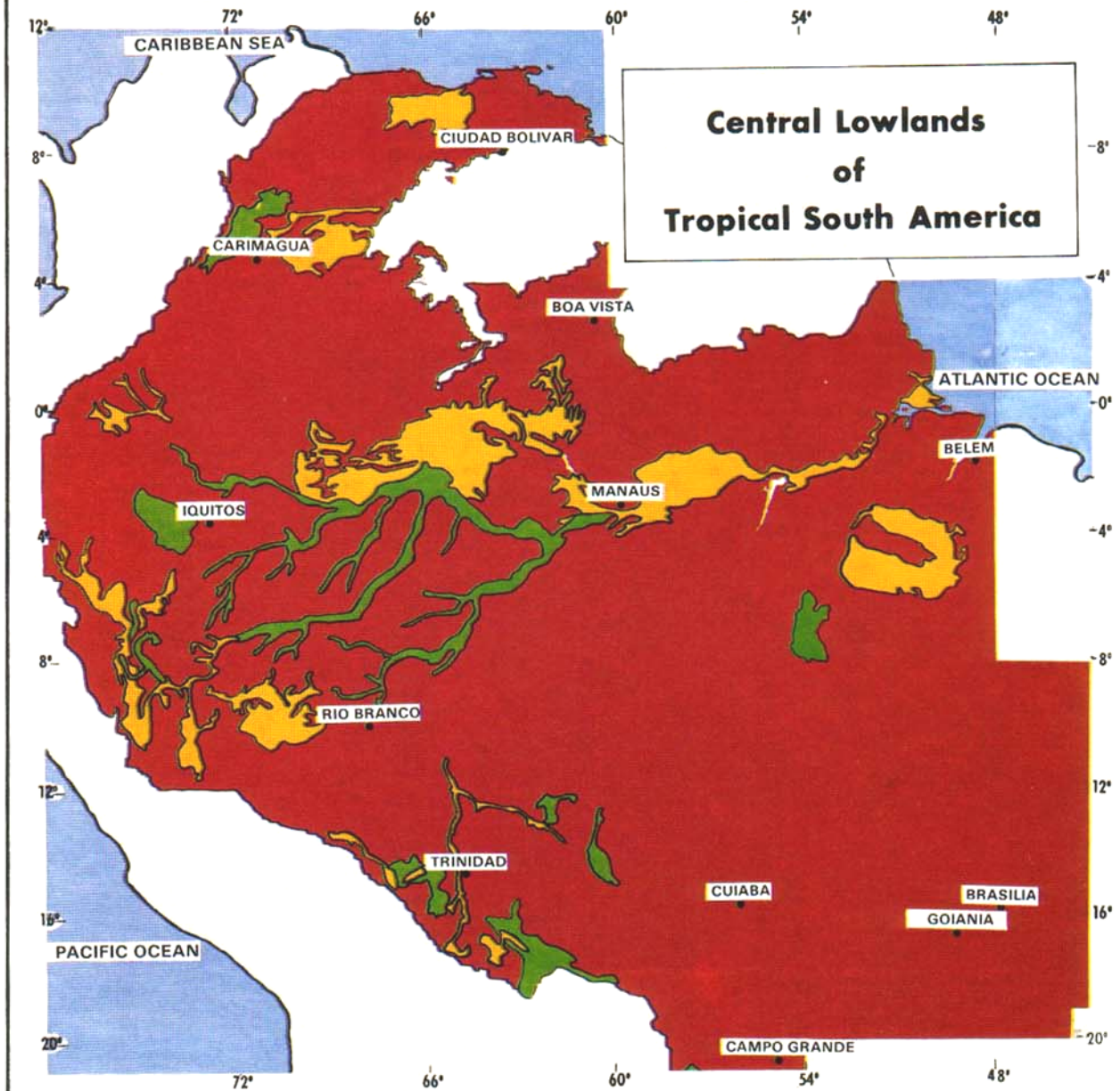
M 0.4–4 meq/100 g soil

B < 0.4 meq/100 g soil

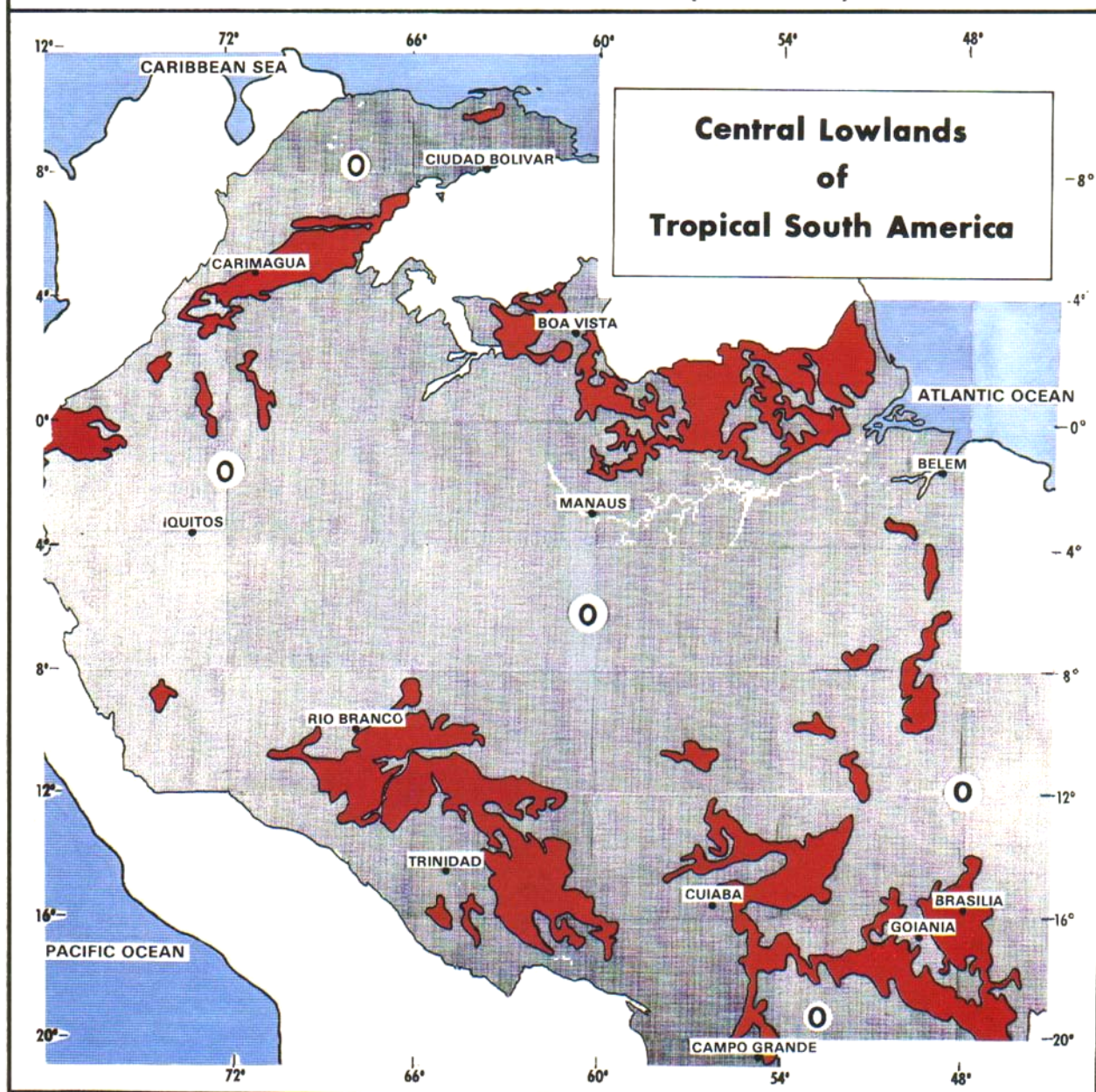
P LEVELS IN TOPSOIL (0-20 cm)



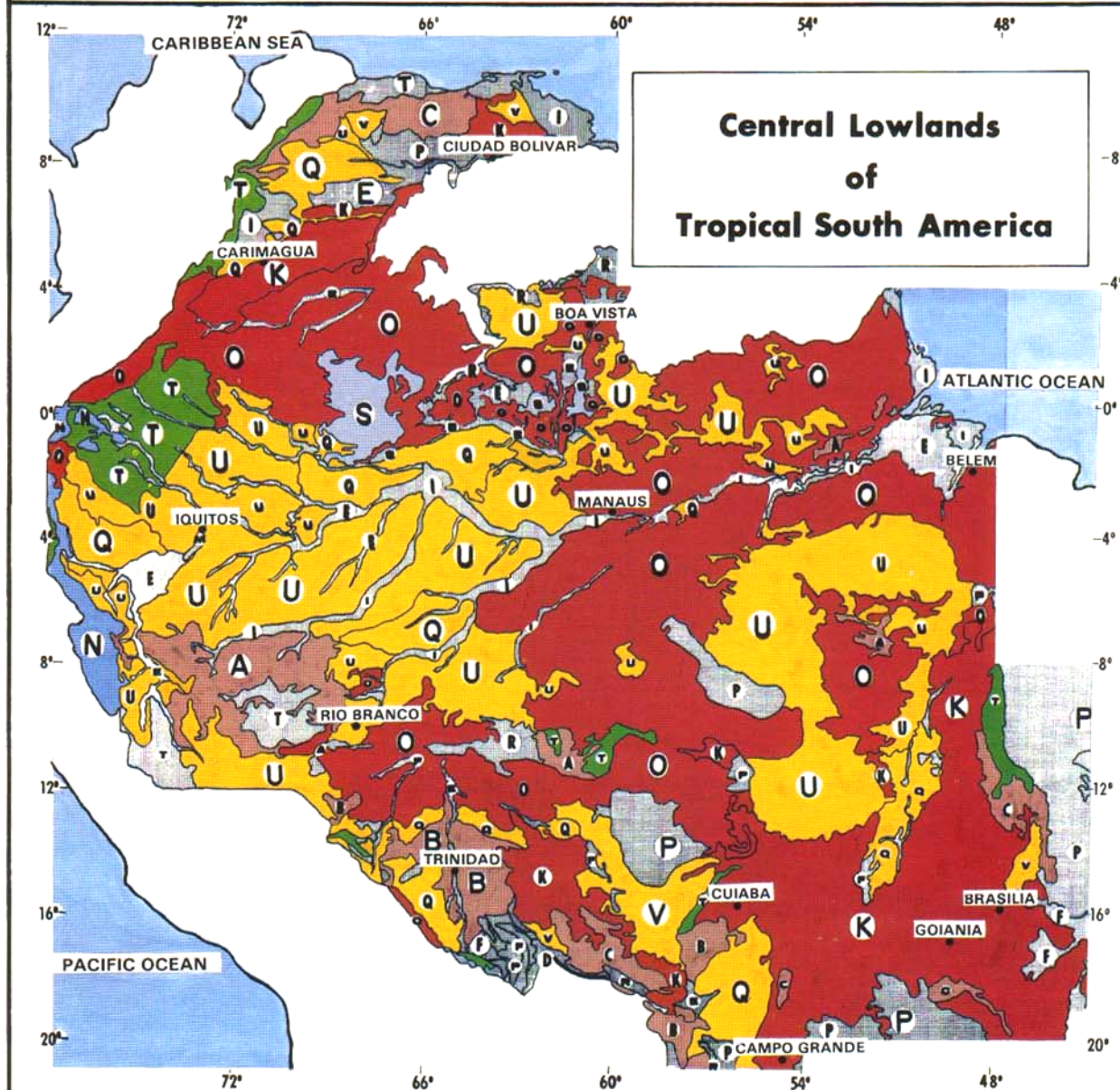
P LEVELS IN SUBSOIL (21–50 cm)



P FIXATION IN TOPSOIL (0-20 cm)

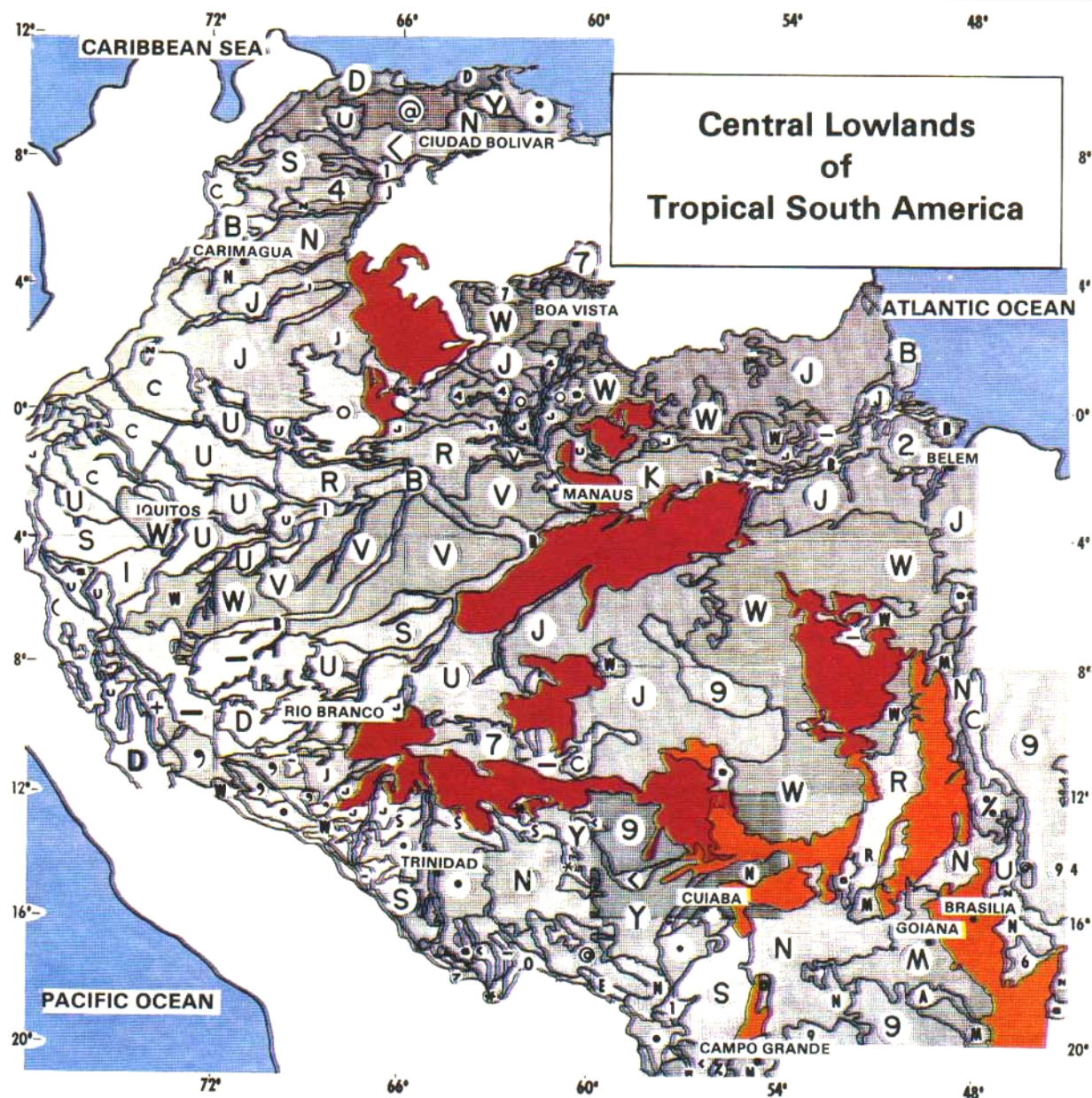


SUBORDER SOILS WITH POSSIBLE VARIABLE CHARGE



B Aqualfs	P Psamments	J Aquox
A Udalfs	N Andepts	O Orthox
C Ustalfs	I Aquepts	K Ustox
X Xeralfs	T Tropepts	S Aquods
D Orthids	T (Dystropepts)	Q Aquults
E Aquepts	M Aquolls	U Udults
F Fluvents	G Udolls	V Ustults
R Orthents	H Ustolls	

GREAT GROUP SOILS WITH POSSIBLE NET POSITIVE CHARGE IN SUBSOIL HORIZON



\	Natraqualfs	4	Psammaquents	:	Sulfaquepts	N	Haplustox
.	Tropaqualfs	5	Tropaquents	B	Tropaquepts	O	Tropaquods
+	Hapludalfs	6	Tropofluvents	C	Dystropepts	P	Albaquults
\$	Rhodudalfs)	Ustifluvents	D	Eutropepts	Q	Paleaquults
—	Tropudalfs	*	Xerofluvents	-	Ustropepts	R	Plinthaquults
@	Haplustalfs	7	Troporthents	E	Haplaquolls	S	Tropaquults
&	Natrustalfs	8	Ustorthents	F	Argiudolls	T	Hapludults
⌈	Paleustalfs	9	Quartzipsamments	:	Haplustolls	U	Paleudults
%	Rhodustalfs	>	Tropopsamments	G	Plinthaquox	V	Plinthusults
÷	Tropustalfs	<	Ustipsamments	I	Acrothox	W	Rhodudults
7	Haploxeralfs	(Dystrandeps	J	Eutrothox	Y	Tropudults
	Camborthids	/	Hydrandeps	K	Haplorthox	Z	Haplustults
1	Fluvaquents	=	Haplaquents	M	Umbriorthox	X	Paleustults
2	Haplaquents	A	Humaquents		Acrothox		Rhodustults
3	Hydraquents	#	Plinthaquents		Eutrustox	10	Chromudents