

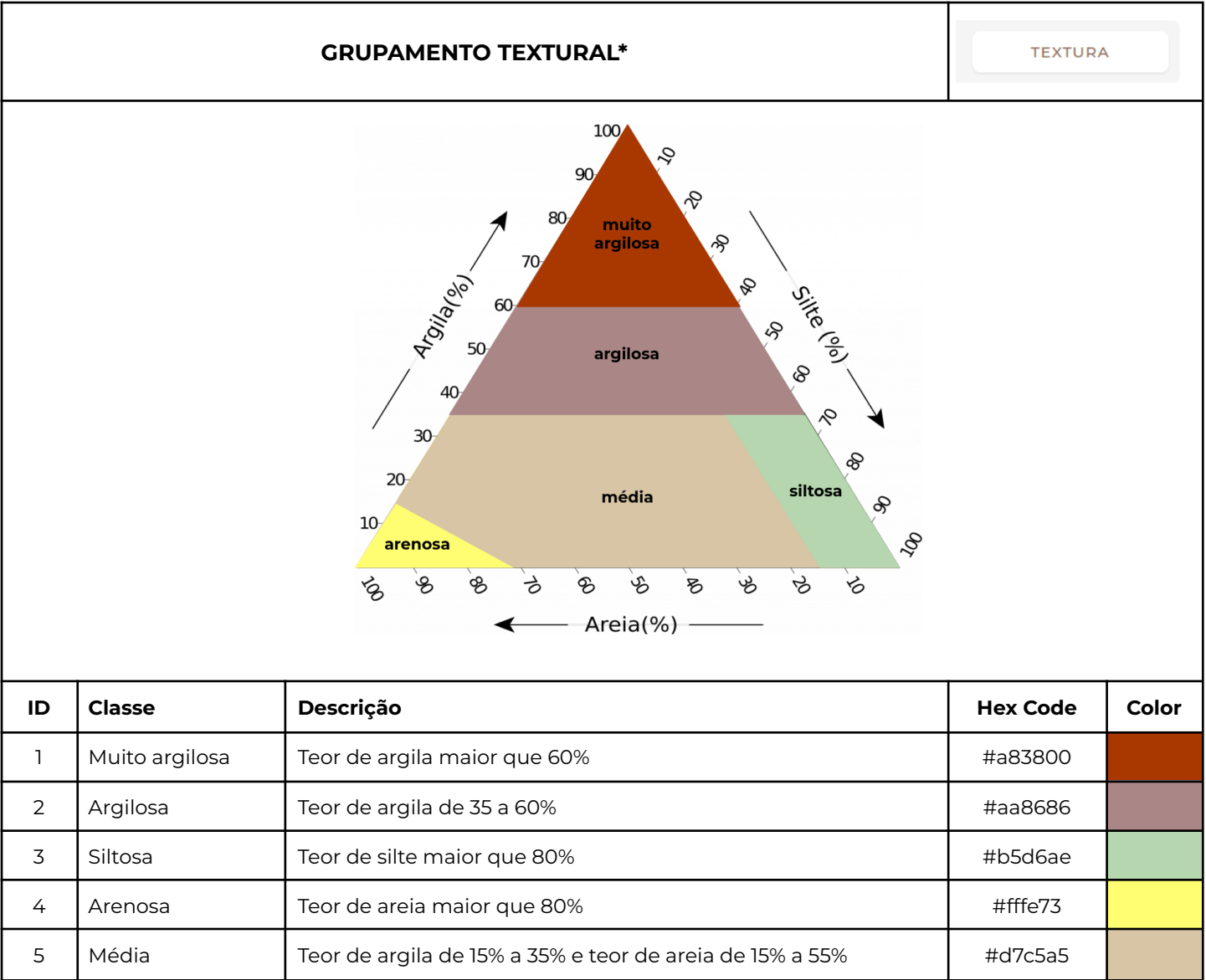
Legenda da Coleção 2 do MapBiomas Solo

ESTOQUE DE CARBONO ORGÂNICO DO SOLO		CARBONO	
Intervalo	Descrição	Hex Code	Color
0 a 10 t/ha	Dado contínuo, estoque de carbono orgânico menor que 10 toneladas por hectare	#ffffe5	
10 a 20 t/ha	Dado contínuo, estoque de carbono orgânico de 10 a 20 toneladas por hectare	#fff7bc	
20 a 30 t/ha	Dado contínuo, estoque de carbono orgânico de 20 a 30 toneladas por hectare	#fee391	
30 a 40 t/ha	Dado contínuo, estoque de carbono orgânico de 30 a 40 toneladas por hectare	#fec44f	
40 a 50 t/ha	Dado contínuo, estoque de carbono orgânico de 40 a 50 toneladas por hectare	#fe9929	
50 a 60 t/ha	Dado contínuo, estoque de carbono orgânico de 50 a 60 toneladas por hectare	#ec7014	
60 a 70 t/ha	Dado contínuo, estoque de carbono orgânico de 60 a 70 toneladas por hectare	#cc4c02	
70 a 80 t/ha	Dado contínuo, estoque de carbono orgânico de 70 a 80 toneladas por hectare.	#993404	
mais de 80 t/ha	Dado contínuo, estoque de carbono orgânico de 80 ou mais toneladas por hectare	#662506	

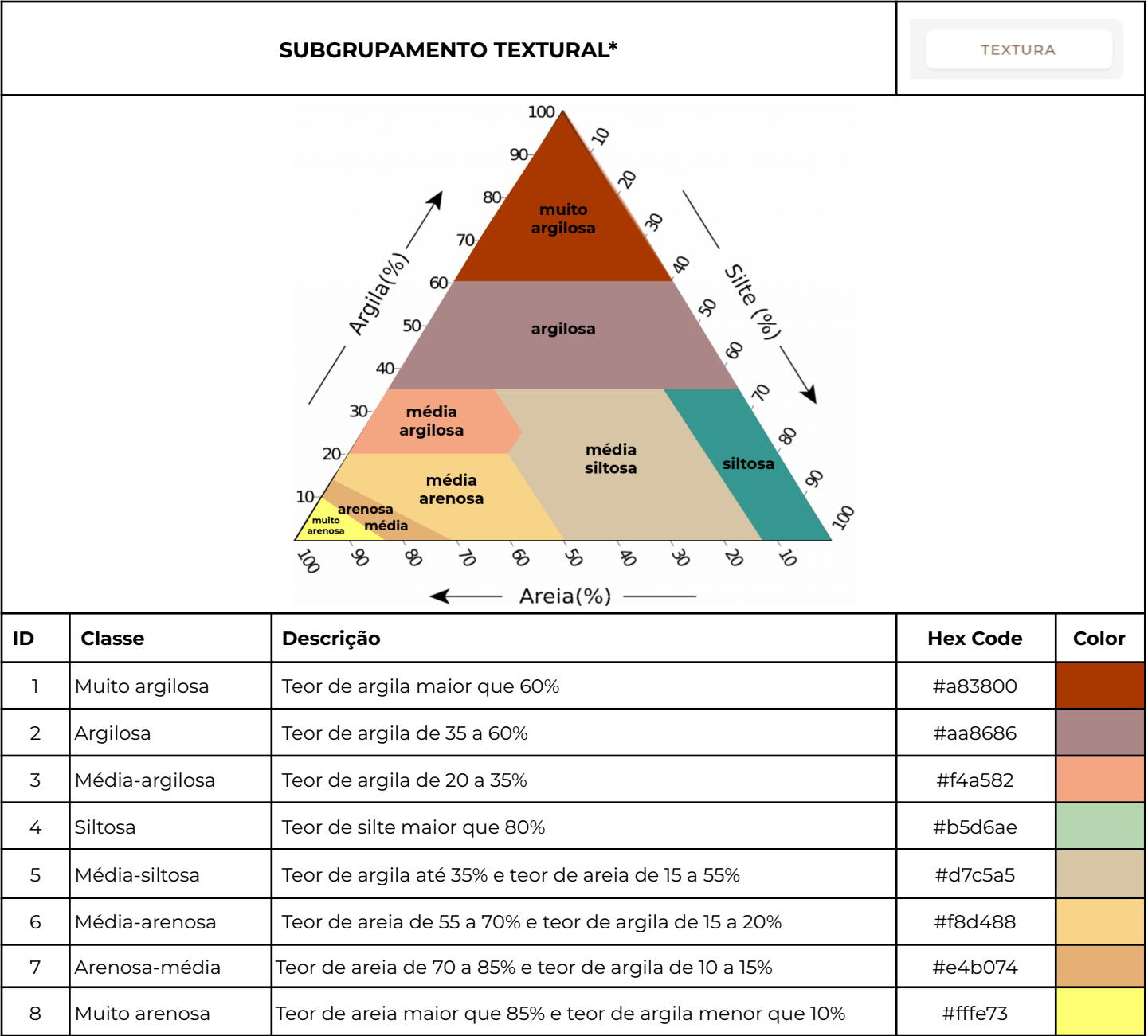
TEOR DE ARGILA		TEXTURA	
Intervalo	Descrição	Hex Code	Color
0 - 10%	Dado contínuo, teor de argila de 0 a 10%	#debdbd	
10 - 20%	Dado contínuo, teor de argila de 10 a 20%	#aa8686	
20 - 30%	Dado contínuo, teor de argila de 20 a 30%	#956262	
30 - 40%	Dado contínuo, teor de argila de 30 a 40%	#9c5050	
40 - 50%	Dado contínuo, teor de argila de 40 a 50%	#8c3306	
50 - 60%	Dado contínuo, teor de argila de 50 a 60%	#932703	
60 - 70%	Dado contínuo, teor de argila de 60 a 70%	#7a1d03	
70 - 80%	Dado contínuo, teor de argila de 70 a 80%	#6c1902	
80 - 90%	Dado contínuo, teor de argila de 80 a 90%	#5c1402	
90 - 100%	Dado contínuo, teor de argila de 90 a 100%	#4e1101	

TEOR DE SILTE		TEXTURA	
Intervalo	Descrição	Hex Code	Color
0 - 10%	Dado contínuo, teor de silte de 0 a 10%	#d1e9c9	
10 - 20%	Dado contínuo, teor de silte de 10 a 20 %	#a9d0a1	
20 - 30%	Dado contínuo, teor de silte de 20 a 30%	#88c997	
30 - 40%	Dado contínuo, teor de silte de 30 a 40%	#7db78e	
40 - 50%	Dado contínuo, teor de silte de 40 a 50%	#6a8e74	
50 - 60%	Dado contínuo, teor de silte de 50 a 60%	#517a64	
60 - 70%	Dado contínuo, teor de silte de 60 a 70%	#406a55	
70 - 80%	Dado contínuo, teor de silte de 70 a 80%	#2e5a49	
80 - 90%	Dado contínuo, teor de silte de 80 a 90%	#1f4a3c	
90 - 100%	Dado contínuo, teor de silte de 90 a 100%	#123029	

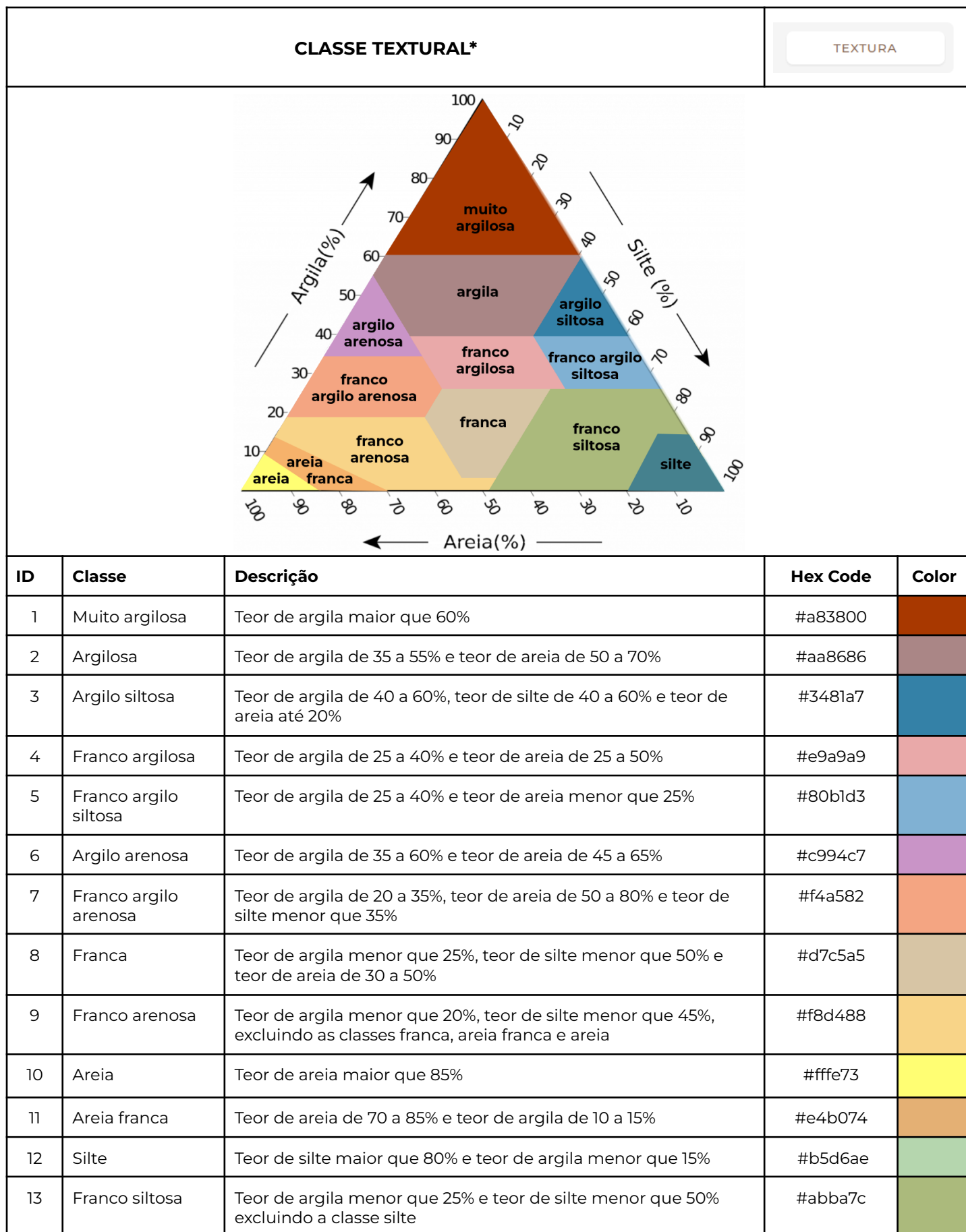
TEOR DE AREIA		TEXTURA	
Intervalo	Descrição	Hex Code	Color
0 - 10%	Dado contínuo, teor de areia de 0 a 10%	#ffe5d8	
10 - 20%	Dado contínuo, teor de areia de 10 a 20 %	#ffccb3	
20 - 30%	Dado contínuo, teor de areia de 20 a 30%	#f7a886	
30 - 40%	Dado contínuo, teor de areia de 30 a 40%	#ff9680	
40 - 50%	Dado contínuo, teor de areia de 40 a 50%	#e08370	
50 - 60%	Dado contínuo, teor de areia de 50 a 60%	#d67258	
60 - 70%	Dado contínuo, teor de areia de 60 a 70%	#b05841	
70 - 80%	Dado contínuo, teor de areia de 70 a 80%	#95413b	
80 - 90%	Dado contínuo, teor de areia de 80 a 90%	#6a2a12	
90 - 100%	Dado contínuo, teor de areia de 90 a 100%	#522010	



* Classes de textura definidas pelo Sistema Brasileiro de Classificação de Solos (Santos et al. 2018).



* Classes de textura definidas pelo Sistema Brasileiro de Classificação de Solos (Santos et al. 2018).



* Classes de textura definidas pelo manual de descrição de solos no campo (IBGE 2015; Santos et al., 2015).

REFERÊNCIAS

IBGE, **Manual Técnico de Pedologia**. Guia prático de campo. Coordenação de Recursos Naturais e Estudos Ambientais. Rio de Janeiro, 2015. URL:

<https://biblioteca.ibge.gov.br/visualizacao/livros/liv95017.pdf>

SANTOS, R. D. et al. **Manual de descrição e coleta de solos no campo**. 7. ed. Viçosa, MG: Sociedade Brasileira de Ciência do Solo, 2015. ISBN 978-85-8650-403-7.

SANTOS, H.G. et al. **Sistema Brasileiro de Classificação de Solos**. 5. ed. Brasília, DF: Embrapa, 2018. ISBN 978-85-7035-817-2. URL:

<http://www.infoteca.cnptia.embrapa.br/infoteca/handle/doc/1094003>

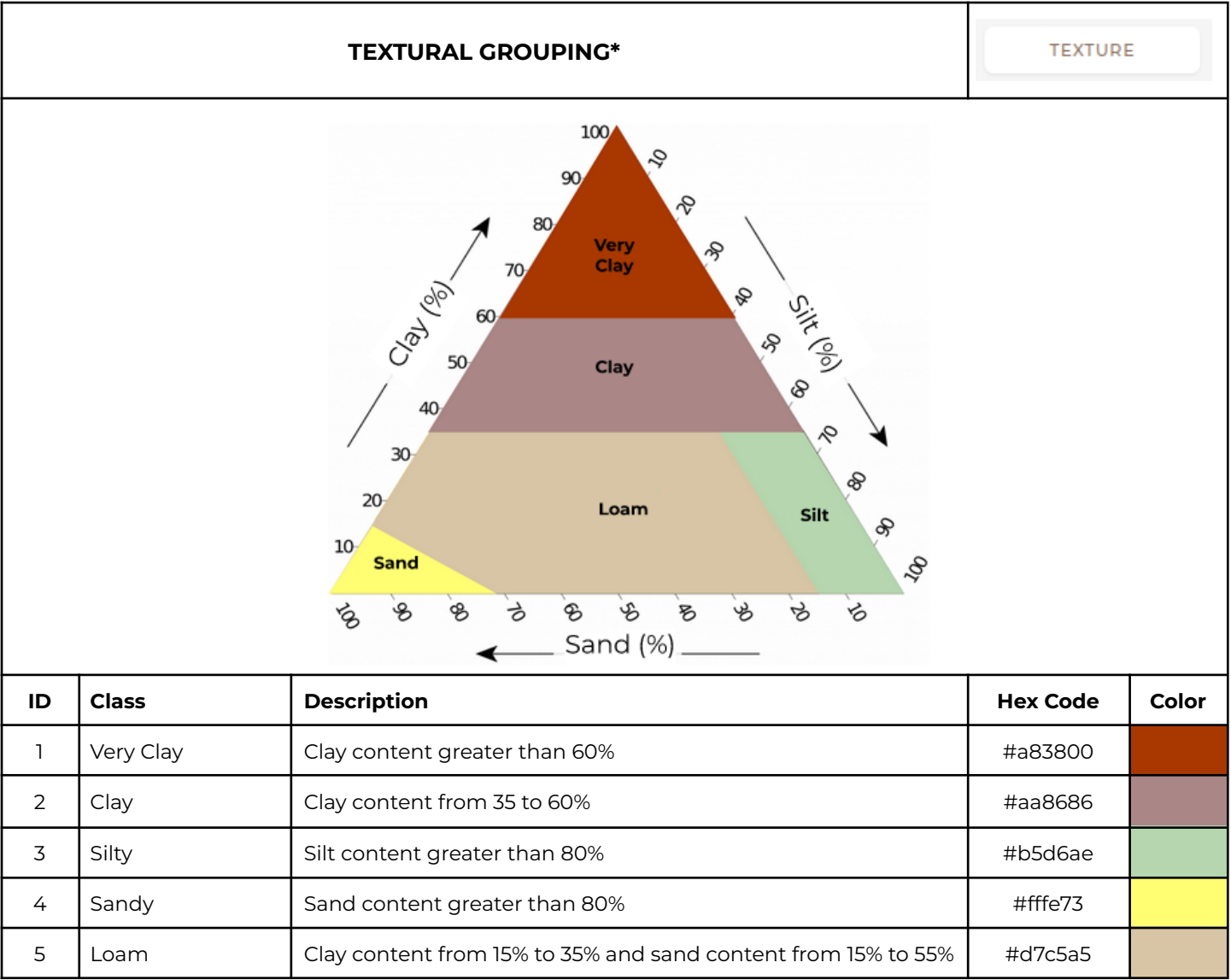
MapBiomass Soil Collection 2 Legend

SOIL ORGANIC CARBON STOCK		CARBON	
Range	Description	Hex Code	Color
0 - 10 t/ha	Continuous data, soil organic carbon stock less than 10 tons per hectare	#ffffe5	
10 - 20 t/ha	Continuous data, soil organic carbon stock from 10 to 20 tons per hectare	#fff7bc	
20 - 30 t/ha	Continuous data, soil organic carbon stock from 20 to 30 tons per hectare	#fee391	
30 - 40 t/ha	Continuous data, soil organic carbon stock from 30 to 40 tons per hectare	#fec44f	
40 - 50 t/ha	Continuous data, soil organic carbon stock from 40 to 50 tons per hectare	#fe9929	
50 - 60 t/ha	Continuous data, soil organic carbon stock from 50 to 60 tons per hectare	#ec7014	
60 - 70 t/ha	Continuous data, soil organic carbon stock from 60 to 70 tons per hectare	#cc4c02	
70 - 80 t/ha	Continuous data, soil organic carbon stock from 70 to 80 tons per hectare	#993404	
> 80 t/ha	Continuous data, soil organic carbon stock of 80 or more tons per hectare	#662506	

CLAY CONTENT		TEXTURE	
Range	Descrição	Hex Code	Color
0 - 10%	Continuous data, clay content from 0 to 10%	#debbbd	
10 - 20%	Continuous data, clay content from 10 to 20%	#aa8686	
20 - 30%	Continuous data, clay content from 20 to 30%	#956262	
30 - 40%	Continuous data, clay content from 30 to 40%	#9c5050	
40 - 50%	Continuous data, clay content from 40 to 50%	#8c3306	
50 - 60%	Continuous data, clay content from 50 to 60%	#932703	
60 - 70%	Continuous data, clay content from 60 to 70%	#7a1d03	
70 - 80%	Continuous data, clay content from 70 to 80%	#6c1902	
80 - 90%	Continuous data, clay content from 80 to 90%	#5c1402	
90 - 100%	Continuous data, clay content from 90 to 100%	#4e1101	

SILT CONTENT		TEXTURE	
Range	Descrição	Hex Code	Color
0 - 10%	Continuous data, silt content from 0 to 10%	#d1e9c9	
10 - 20%	Continuous data, silt content from 10 to 20%	#a9d0a1	
20 - 30%	Continuous data, silt content from 20 to 30%	#88c997	
30 - 40%	Continuous data, silt content from 30 to 40%	#7db78e	
40 - 50%	Continuous data, silt content from 40 to 50%	#6a8e74	
50 - 60%	Continuous data, silt content from 50 to 60%	#517a64	
60 - 70%	Continuous data, silt content from 60 to 70%	#406a55	
70 - 80%	Continuous data, silt content from 70 to 80%	#2e5a49	
80 - 90%	Continuous data, silt content from 80 to 90%	#1f4a3c	
90 - 100%	Continuous data, silt content from 90 to 100%	#123029	

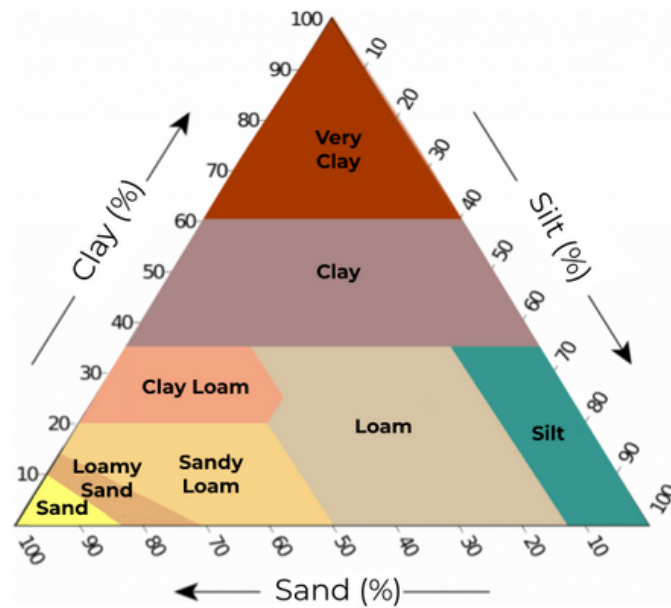
SAND CONTENT		TEXTURE	
Range	Descrição	Hex Code	Color
0 - 10%	Continuous data, sand content from 0 to 10%	#ffe5d8	
10 - 20%	Continuous data, sand content from 10 to 20%	#ffccb3	
20 - 30%	Continuous data, sand content from 20 to 30%	#f7a886	
30 - 40%	Continuous data, sand content from 30 to 40%	#ff9680	
40 - 50%	Continuous data, sand content from 40 to 50%	#e08370	
50 - 60%	Continuous data, sand content from 50 to 60%	#d67258	
60 - 70%	Continuous data, sand content from 60 to 70%	#b05841	
70 - 80%	Continuous data, sand content from 70 to 80%	#95413b	
80 - 90%	Continuous data, sand content from 80 to 90%	#6a2a12	
90 - 100%	Continuous data, sand content from 90 to 100%	#522010	



* Texture classes defined by the Brazilian Soil Classification System (Santos et al. 2018).

TEXTURAL SUBGROUPING*

TEXTURE



ID	Class	Description	Hex Code	Color
1	Very Clay	Clay content greater than 60%	#a83800	
2	Clay	Clay content from 35 to 60%	#aa8686	
3	Clay Loam	Clay content from 20 to 35%	#f4a582	
4	Silt	Silt content greater than 80%	#298289	
5	Silty Loam	Clay content up to 35% and sand content from 15 to 55%	#d7c5a5	
6	Sandy Loam	Sand content from 55 to 70% and clay content from 15 to 20%	#f8d488	
7	Loamy Sand	Sand content from 70 to 85% and clay content from 10 to 15%	#e4b074	
8	Sandy	Sand content greater than 85% and clay content less than 10%	#ffe73	

* Texture classes defined by the Brazilian Soil Classification System (Santos et al. 2018).

TEXTURAL CLASS*				TEXTURE
X				
ID	Class	Description	Hex Code	Color
1	Very Clay	Clay content greater than 60%	#a83800	
2	Clay	Clay content from 35 to 55% and sand content from 50 to 70%	#aa8686	
3	Silty Clay	Clay content from 40 to 60%, silt content from 40 to 60% and sand content up to 20%	#3481a7	
4	Clay Loam	Clay content from 25 to 40% and sand content from 25 to 50%	#e9a9a9	
5	Silty Clay Loam	Clay content from 25 to 40% and sand content less than 25%	#80b1d3	
6	Sandy Clay	Clay content from 35 to 60% and sand content from 45 to 65%	#c994c7	
7	Sandy Clay Loam	Clay content from 20 to 35%, sand content from 50 to 80% and silt content less than 35%	#f4a582	
8	Loam	Clay content less than 25%, silt content less than 50% and sand content from 30 to 50%	#d7c5a5	
9	Sandy Loam	Clay content less than 20%, silt content less than 45%, excluding loamy, sandy loam and sand classes	#f8d488	
10	Sandy	Sand content greater than 85%	#ffff73	
11	Loamy sand	Sand content from 70 to 85% and clay content from 10 to 15%	#e4b074	
12	Silt	Silt content greater than 80% and clay content less than 15%	#298289	
13	Silt Loam	Clay content less than 25% and silt content less than 50% excluding the silt class	#abba7c	

* Texture classes defined by the Field Soil Description Manual (IBGE 2015; Santos et al., 2015).

REFERENCES

IBGE, **Technical Manual of Pedology**. Practical Field Guide. Coordination of Natural Resources and Environmental Studies. Rio de Janeiro, 2015. URL:

<https://biblioteca.ibge.gov.br/visualizacao/livros/liv95017.pdf>

SANTOS, R. D. et al. **Manual for Soil Description and Sampling in the Field**. 7. ed. Viçosa, MG: Brazilian Society of Soil Science, 2015. ISBN 978-85-8650-403-7.

SANTOS, H.G. et al. **Brazilian Soil Classification System**. 5. ed. Brasília, DF: Embrapa, 2018. ISBN 978-85-7035-817-2. URL: <http://www.infoteca.cnptia.embrapa.br/infoteca/handle/doc/1094003>