

To Dr. Mackney, D.

LEGEND OF THE SOIL MAP OF CHINA (1: 4,000,000)
Soil mapping group, Institute of Soil Science,
Academia Sinica, Nanjing, China

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| 1. 南方水稻土 | Southern paddy soils |
| 1-1 泥肉田 | Southern well drained submergic fertile paddy soils |
| 1-2 油沙田 | Southern alluvial submergic paddy soils(Sichuan Basin) |
| 1-3 潮泥田 | Southern alluvial submergic paddy soils |
| 1-4 红黄泥田 | Paddy soils developed on yellow-red soils |
| 1-5 紫泥田 | Purplish paddy soils |
| 1-6 青粘田 | Gleyed paddy soils |
| 1-7 冷浸田 | Cold spring paddy soils |
| 1-8 石灰泥田 | Paddy soils developed in limestone area |
| 1-9 咸酸田 | Acid sulfatic soils |
| 2. 镔血水稻土 | South-eastern well drained submergic fertile paddy soils |
| 2-1 镔血田 | South-eastern well drained submergic fertile paddy soils |
| 2-2 淤泥田 | South-eastern well drained submergic paddy soils |
| 2-3 青泥田 | Gleyed paddy soils |
| 2-4 马肝泥田 | South-eastern surface submergic paddy soils |

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| 3. 北方水稻土 | Northern paddy soils |
| 4. 黄刚土 | Cultivated yellow-brown earths |
| 4.1 黄刚土 | Cultivated yellow-brown earths |
| 4.2 黄僵土 | Cultivated yellow-cinnamon earths |
| 5. 黄堰土 | Cultivated burozems |
| 5.1 黄堰土 | Cultivated burozems |
| 5.2 潮黄堰土 | Cultivated meadow burozems |
| 6. 黄垆土 | Cultivated drab soils |
| 6.1 黄垆土 | Cultivated yellow-drab soils |
| 6.2 潮黄垆土 | Meadow drab soils |
| 7. 楼土 | Manured loessial soils |
| 7.1 油楼土 | Eutrophic manured loessial soils |
| 7.2 立茬楼土 | Prismatic manured loessial soils |
| 7.3 垆楼土 | Rusty manured loessial soils |
| 8. 黑垆土 | Dark loessial soils |
| 8.1 黑垆土 | Dark loessial soils |
| 8.2 粘化黑垆土 | Argellic loessial soils |
| 8.3 黑焦土 | Light loessial soils |
| 8.4 潮黑垆土 | Meadow loessial soils |
| 8.5 黑麻土 | Rusty loessial soils |

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- 9. 绵土 Cultivated loessial soils
 - 9.1 海绵土 Fertile cultivated loessial soils
 - 9.2 黄绵土 Yellow cultivated loessial soils

- 10. 熟黑土 Cultivated black soils
 - 10.1 厚层熟黑土 Thick cultivated black soils
 - 10.2 中层熟黑土 Medium cultivated black soils
 - 10.3 薄层熟黑土 Shallow cultivated black soils

- 11. 潮土 Cultivated meadow soils
 - 11.1 淤粘土 Warped clayey cultivated meadow soils
 - 11.2 两合土 Loamy cultivated meadow soils
 - 11.3 淤砂土 Warped sandy cultivated meadow soils
 - 11.4 黑潮土 Black cultivated meadow soils
 - 11.5 砂姜黑(潮)土 Sajong cultivated meadow soils
 - 11.6 盐潮土 Salinized cultivated meadow soils
 - 11.7 湿潮土 Wet cultivated meadow soils
 - 11.8 潮沙泥土 Sandy cultivated meadow soils

- 12. 灌淤土 Irrigated warped soils
 - 12.1 灌淤澄土 Irrigated warped soils
 - 12.2 灌淤潮土 Irrigated warped meadow soils

13. 绿洲土	Oasis soils
13.1 绿洲白土	Whitish oasis soils
13.2 绿洲灰土	Grayish oasis soils
13.3 绿洲潮土	Moistened oasis soils
14. 其他旱耕地	Other upland cultivated soils
14. 砖红壤	Latosols
14.1 砖红壤	Latosols
14.2 铁质砖红壤	Ferruginous latosols
14.3 黄色砖红壤	Yellow latosols
15. 赤红壤	Lateritic red earths
15.1 赤红壤	Lateritic red earths
15.2 铁质赤红壤	Ferruginous lateritic red earths
16. 红壤	Red earths
16.1 红壤	Red earths
16.2 黄红壤	Yellow red earths
16.3 褐红壤	Cinnamon red earths
17. 燥红壤	Dry red earths
18. 黄壤	Yellow earths
18.1 黄壤	Yellow earths
18.2 表潜黄壤	Surface gleyed yellow earths

18.3 黄壤性土 Yellowish soils

19 黄棕壤 Yellow-brown earths

19.1 黄棕壤 Yellow-brown earths

19.2 粘盘黄棕壤 Clay pan yellow-brown earths

20 棕壤 Burozems

21 褐土 Drab soils

21.1 褐土 Drab soils

21.2 淋溶褐土 Luvic drab soils

21.3 碳酸盐褐土 Carbonate drab soils

22 灰褐土 Grey-drab forest soils

23 暗棕壤 Drab brown forest soils

23.1 暗棕壤 Dark brown forest soils

23.2 白浆化暗棕壤 Albic dark brown forest soils

23.3 草甸暗棕壤 Meadow dark brown forest soils

24 漂灰土 Pedzolic soils

25 灰色森林土(灰黑土) Gray forest soils

25.1 暗灰色森林土 Dark gray forest soils

25.2 灰色森林土 Gray forest soils

soils

red earths

earths

26. 黑土	Black soils
26.1 黑土	Black soils
26.2 白浆化黑土	Albic black soils
26.3 草甸黑土	Meadow black soils
27. 白浆土	Planosols
27.1 白浆土	Planosols
27.2 草甸白浆土	Meadow planosols
28. 黑钙土	Chernozems
28.1 黑钙土	Chernozems
28.2 淋溶黑钙土	Luvic chernozems
29. 栗钙土	Chestnut soils
29.1 暗栗钙土	Dark chestnut soils
29.2 栗钙土	Chestnut soils
29.3 淡栗钙土	Light chestnut soils
29.4 草甸栗钙土	Meadow chestnut soils
30. 棕钙土	Brown soils
30.1 棕钙土	Brown soils
30.2 淡棕钙土	Light brown soils
31. 灰钙土	Sierozems
31.1 灰钙土	Sierozems
31.2 淡灰钙土	Light sierozems

31.3 草甸灰钙土 Meadow sierozeme

32 灰漠土 Gray desert soils

32.1 灰漠土 Gray desert soils

32.2 盐化灰漠土 Salinized desert soils

32.3 碱化灰漠土 Alkalized desert soils

32.4 草甸灰漠土 Meadow desert soils

33 灰棕漠土 Gray brown desert soils

33.1 灰棕漠土 Gray brown desert soils

33.2 盐化灰棕漠土 Salinized gray brown desert soils

33.3 石膏灰棕漠土 Gypsic gray brown desert soils

34 棕漠土 Brown desert soils

34.1 棕漠土 Brown desert soils

34.2 石膏棕漠土 Gypsic brown desert soils

34.3 石膏盐盘棕漠土 Gypsic-salic brown desert soils

35 暗色草甸土 Dark meadow soils

35.1 暗色草甸土 Dark meadow soils

35.2 草甸土 Meadow soils

35.3 盐化暗色草甸土 Salinized dark meadow soils

35.4 潜育暗色草甸土 Gleyed dark meadow soils

36 灰色草甸土 Gray meadow soils

36.1 灰色草甸土 Gray meadow soils

36.2	盐化灰色草甸土	Salinized gray meadow soils
36.3	漠土化灰色草甸土	Deserted gray meadow soils
36.4	林灌草甸土	Shrubby meadow soils
37.	沼泽土	Bog soils
37.1	草甸沼泽土	Meadow bog soils
37.2	腐殖质沼泽土	Humus bog soils
37.3	泥炭沼泽土	Peaty bog soils
37.4	残余泥炭沼泽土	Residual peaty bog soils
38.	滨海盐土	Coastal solonchaks
38.1	滨海盐土	Coastal solonchaks
38.2	草甸滨海盐土	Coastal meadow solonchaks
38.3	沼泽滨海盐土	Coastal boggy solonchaks
39.	盐土	Solonchaks
39.1	盐土	Solonchaks
39.2	草甸盐土	Meadow solonchaks
39.3	碱化盐土	Alkalinized solonchaks
40.	内陆盐土	Inland solonchaks
40.1	内陆盐土	Inland solonchaks
40.2	草甸内陆盐土	Inland meadow solonchaks
40.3	沼泽内陆盐土	Boggy solonchaks
40.4	残余内陆盐土	Inland residual solonchaks

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41. 碱土 Solonetz

42. 磷质石灰土 Phospho-calcic soils

43. 石灰(岩)土 Lime-stone soils

43.1 红色石灰土 Rendzina

43.2 棕色石灰土 Brown rendzina

43.3 黑色石灰土 Terra rossa

44. 紫色土 Purplish soils

44.1 紫色土 Purplish soils

44.2 碳酸盐紫色土 Carbonate purplish soils

44.3 粗骨紫色土 Skeleton purplish soils

45. 龟裂土 Takyr

46. 风沙土 Aerolian sandy soils

46.1 流动风沙土 Moving aerolian sandy soils

46.2 半固定风沙土 Partially stablized aerolian sandy soils

46.3 固定风沙土 Stablized aerolian sandy soils

47. 山地草甸土 Mountain meadow soils

48. 山地灌丛草原土 Mountain shrubby steepe soils

- 49 黑粘土 Subalpine meadow soils
 (亚高山草甸土)
- 49.1 黑粘土 Subalpine meadow soils
 (亚高山草甸土)
- 49.2 棕粘土 Subalpine shrubby meadow soils
 (亚高山灌丛草甸土)
- 50 巴夏土 Subalpine steep soils
 (亚高山草原土)
- 50.1 巴夏土 Subalpine steep soils
 (亚高山草原土)
- 50.2 斑粘巴夏土 Subalpine meadow steep soils
 (亚高山草甸草原土)
- 51 草粘土 Alpine meadow soils
 (高山草甸土)
- 52 莎夏土 Alpine steep soils
 (高山草原土)
- 52.1 莎夏土 Alpine steep soils
 (高山草原土)
- 52.2 斑粘莎夏土 Alpine meadow steep soils
 (高山草甸草原土)
- 52.3 荒漠莎夏土 Alpine desert steep soils
 (荒漠高山草原土)

53. 高山漠土

Alpine desert soils

54. 寒漠土

Alpine frozen soils

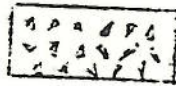
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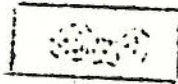
山地土壤

Mountain soils



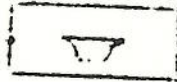
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Gobi (Desert detritus)



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Glacier and snow-mantle



盐壳

Salt crust