

Profile No. : 19 Date: Feb., 1986.  
Location : 0.6 km east El Tor-Ras Mohammad road  
and 28.3 km south El Tor City, Sinai  
Elevation : About 20 m a.s.l.  
Land form : Wadi bottom  
Topography : Almost flat  
Slope : Gently sloping to the west.  
Surface : Many fine gravel and few stones.  
Vegetation : Many shrubs  
Classification : Sandy over sandy skeletal, mixed ,  
hyperthermic; calcareous; Typic Torriorthic

<u>Depth cm</u>	<u>Description</u>
0 - 20	Brown to dark brown (7.5 YR 4/4) moist and light brown (7.5 YR 6/4) dry; gravelly loamy sand; structureless; massive; soft; many fine gravel (60 %), weak effervescence; clear smooth boundary.
20 - 45	Brown to dark brown (7.5 YR 4/4) moist and light brown (7.5 YR 6/4) dry; stratified loamy sand; structureless; massive; soft; common fine gravel (30 %), weak effervescence; clear smooth boundary.

- 45 - 100      Brown to dark brown (7.5 YR 4/4) moist  
and light brown (7.5 YR 6/4) dry, gravelly  
loamy sand; structureless, massive; slightly  
hard; many fine and medium gravel  
(60 %) few scattered stones; strong effe-  
rvescence; clear smooth boundary.
- 100- 150      Brown to dark brown (7.5 YR 4/4) moist  
and light brown (7.5 YR 6/4) dry; gravelly  
loamy sand, structureless, massive; slightly  
hard; many fine gravel (40 %); strong effe-  
rvescence.

Profile No. : 20 Date: Feb., 1986.  
Location : 4.2 km east suez- El Tor road and 8.4  
km north El Tor City; Sinai.  
Elevation : About 32 m a.s.l.  
Land form : Slightly dissected slope of El Qaa plain  
Topography : Almost flat  
Slope : Almost flat  
Surface : Many fine to coarse gravel  
Vegetation : Common desert weeds.  
Classification : Sandy over coarse loamy, siliceous ,  
hyperthermic; Typic Calciorthids.

<u>Depth cm</u>	<u>Description</u>
0 - 25	Brown to dark brown (7.5 YR 4/4) moist and light brown (7.5 YR 6/4) dry; sandy, single grains; loose; many fine pores; few fine and medium gravel few (30 %), few soft lime segregations; few very fine and fine roots; strong effervescence; clear smooth boundary.
25 - 45	Brown to dark brown (7.5 YR 4/4) moist and light brown (7.5 YR 6/4) dry; loamy sand; structureless massive , soft; common fine pores; many fine gravel (50 %); few soft lime segregations; few fine roots; strong effervescence; clear smooth boundary.

Profile No. : 21 Date: Feb., 1986.  
Location : 2.6 km east Suez-El Tor road and 11.2  
km north El-Tor City, Sinai.  
Elevation : About 44 m a.s.l.  
Land form : Outwash plain  
Topography : Gently undulating  
Slope : Gently sloping  
Surface : Many fine to coarse dark gravel.  
Vegetation : Common weeds in depression  
Classification : Coarse loamy, mixed, hyperthermic;  
Typic Torriorthents.

<u>Depth_cm</u>	<u>Description</u>
0 - 5	Brown (7.5 YR 5/4) moist and light brown (7.5 YR 6/4) dry, sandy loam structureless; massive; soft; strong effervescence; clear wavy boundary.
5 - 20	Yellowish brown (10 YR 5/6) moist and light brown (7.5 YR 6/4) dry, sandy clay loam structureless; massive; soft; strong effervescence; clear wavy boundary.
20 - 70	Strong brown (7.5 YR 5/6) moist and light brown (7.5 YR 6/4) dry; clay loam to sandy clay loam, structureless, massive; extremely hard; common soft and hard lime concretions; common soft and hard gypsum concretions; strong effervescence.
70	Gravel layer.

Profile No. : 22 Date: Feb., 1986.  
Location : 3.2 km East Suez- El Tor road and 8.6 8  
km North El Tor City, Sinai.  
Elevation : About 25 m a.s.l.  
Land form : Wadi bottom  
Topography : Gently undulating  
Slope : Sloping to south east.  
Surface : Few fine, and common medium and  
coarse gravel.  
Vegetation : Common desert weeds and few trees.  
Classification : Sandy over coarse loamy, siliceous;  
hyperthermic; Typic Calciorthids.

Depth cm

Description

0 - 20	Brown (7.5 YR 5/4) moist and light brown (7.5 YR 6/4) dry; sandy; single grains; loose; many coarse pores; common fine and medium gravel (20 %); few very fine and fine roots; weak effervescence, abrupt smooth boundary.
20 - 30	Brown (7.5 YR 5/4) moist and light brown (7.5 YR 6/4) dry; gravelly loamy sand; single grains; loose; many medium and coarse gravel (50 %); moderate effervescence; abrupt smooth boundary.

Profile No. : 23 Date: Feb., 1986  
Location : 2 km east suez-El Tor road and 6.5 km  
north El Tor City, Sinai.  
Elevation : About 44 m. a.s.l.  
Land form : Moderately dissected slope of El-Qaa  
plain.  
Topography : Undulating to rolling  
Slope : Sloping to the south west.  
Surface : Common gravel and stones.  
Vegetation : Nile  
Classification : Clayey, carbonatic; hyperthermic;  
Typic Calciorthids.

<u>Depth cm</u>	<u>Description</u>
0 - 15	Brown (7.5 YR 5/4) moist and pink (7.5 YR 7/4) dry; silty clay; moderate medium subangular blocky; soft; few fine tabular pores; strong effervescence; abrupt wavy boundary.
15 - 65	Brown (7.5 YR 5/4) moist and pink (7.5 YR 7/4) dry; silty clay; moderate coarse subangular blocky; hard; few fine pores; strong effervescence; diffuse wavy boundary.
65 - 115	Brown (7.5 YR 5/4) moist and pink (7.5 YR 7/4) dry; silty clay; moderate fine subangular blocky; hard; few fine pores; strong effervescence; abrupt wavy boundary.



115 - 150      Brown (7.5 YR 5/4) moist and pink (7.5  
YR 7/4) dry; silty clay; moderate fine  
subangular blocky; extremely hard; few  
fine pores; strong effervescence.



Profile No. : 24 Date: Feb., 1986.  
Location : 1.2 km east El Tor-Ras Mohammad road  
and 7.4 km south El Tor City; Sinai.  
Elevation : About 39 m a.s.l.  
Land form : Slightly dissected slope of El Qaa Plain.  
Topography : Almost flat  
Slope : Gently sloping to the west  
Surface : Common fine and medium gravel  
Vegetation : Barren.  
Classification : Coarse loamy; skeletal over sandy skeletal  
hyperthermic; calcareous; Typic Torriorthents.

<u>Depth_cm</u>	<u>Description</u>
0 - 10	Brown (7.5 YR 5/4) moist and light brown (7.5 YR 6/4) dry; loamy sand; structureless, massive; slightly hard; few fine gravel (15 %); strong effervescence; clear wavy boundary.
10 - 35	Brown to dark brown( 7.5 YR 4/4) moist and light brown (7.5 YR 6/4) dry; loamy sand structureless; soft; common fine and medium gravel(20 %); strong effervescence; clear smooth boundary.
35 - 65	Brown (7.5 YR 5/4) moist and light brown (7.5 YR 6/4) dry; gravelly loamy sand,