



MEXICO

6-th International Soil Classification Congress – Field Workshop

25 – 29 March 2022



SP#1 Almaguer Lira

Calcic Katogypsic SOLONCHAK

(Evapocrustic, Ochric, Epiraptic, Hyposalic, Pantosiltic, Sulfatic)

0–2 – A, ochric,

2–15 – Ay, ochric, gypsic;

15–30 – 2Bkyz, salic, gypsic, calcic;

30–95 – 3Btyz, salic, gypsic;

95–(130) – 3Bky, gypsic, calcic.

SOIL TAXONOMY

Ustic Calcigypsid

fine-silty, mixed, hyperthermic



SP#2 Dunas de yeso

Haplic GYPSSISOL (Pantoarenic, Ochric, Aeolic, Gypsic)

0–10 – (A)BCy, ochric, gypsic;
10–(140) - BCy, gypsic.

SOIL TAXONOMY

Typic Torripsamments
hypergypsic, hyperthermic



SP#3 Rio Mezquites
Fluvic Gypsic SOLONCHAK
(Evapocrustic, Ochric, Oxyaquic)

0–2 - Crust;
2–30 – Ayz1, ochric, salic, gypsic;
30–(60) – Ayz2, ochric, salic, gypsic.

SOIL TAXONOMY

Gypsic Aquisalids

coarse-loamy, hypergypsic, thermic



SP#4 Sierra Hermosa

Luvic Vertic Endocalcic PHAEOZEM (Chromic, Katoclayic, Epiraptic)

3–0 - O;

0–15 – Ah1, mollic;

15–23 – Ah2, mollic;

23–69 – 2Btik1, argic, vertic;

69–80 – 2Btik2, argic, vertic;

80–93 – 2Btk, argic, calcic;

93–(130) – 2Bck, calcic.

SOIL TAXONOMY

Torrertic Haplustalfs

fine, smectitic, thermic



SP#5 CIPA – Universidad Autonoma de Nuevo Leon
Calcic CHERNOZEM (Aric, Pantoclayic, Protovertic)

0–10 - Ap, chernic;
10–35 – Ak, chernic, calcic, protovertic;
35–52 – BkA, transitional;
52–96 – Bk, calcic, protovertic;
96–120 – BCK, calcic;
120–(150) – Ck, calcic.

SOIL TAXONOMY
Pachic Calciustolls
fine, smectitic, hyperthermic



SP#5_2 CIPA – Universidad Autonoma de Nuevo Leon
Calcic VERTISOL

SOIL TAXONOMY
Torrertic Calciustolls



SP#6 Corona del Rosal
Petrocalcic CHERNOZEM (Clayic)

0–25 - Ah, chernic;
25–38 - AB, transitional horizon;
38–(120) - Bkm, petrocalcic.

SOIL TAXONOMY
Petrocalcic Argiustolls
fine, mixed, thermic



SP#7 San Vicente Vanegas
Haplic GYPISISOL (Ochric, Siltic, Gypsic)

0–17/25 - Aky, gypsic, ochric;
17/25–45/64 - Bky, gypsic;
45/64–73 - BCky, gypsic;
73–85 – Cy1, gypsic;
85–(110) – Cy2, gypsic.

SOIL TAXONOMY
Typic Haplogypsid
coarse-silty, hypergypsic, thermic



SP#8 Rancho Nuevo

Katopetric GYPISOL (Ochric, Anosiltic, Gypsic)

0–12/18 - Ay, gypsic, ochric;

12/18–38 - By, gypsic;

38–60 - BCym, petrogypsic;

60–(140) - Cym, petrogypsic.

SOIL TAXONOMY

Ustic Petrogypsid

fine-silty, hypergypsic, thermic



SP#10 Ojo de Agua

Chromic VERTISOL

(Humic, Mesotrophic, Amphiraptic, Skeletic, Luvic)

0–10/40 - Ah, ochric;

10/40–10/60 - 2Bt, argic;

10/60–10/75 - 3Bit, vertic, argic;

10/75–(110) – 4Bi, vertic.

SOIL TAXONOMY

Vertic Paleustalfs

fine, smectitic, mesic



SP#12 Charco Salado
Haplic PHAEOZEM (Pantosiltic, Gypsic)

0–5 - Ah, mollic;
5–12 – Ah2, mollic;
12–25/40 – Ahy, mollic, gypsic;
25/40–60 - ByA, gypsic;
60–(120) – By, gypsic.

SOIL TAXONOMY
Gypsic Calciustolls

coarse-silty, gypsic, hyperthermic
(note: this soil does not have a calcic horizon, but the
"Calciustolls" have either a calcic or gypsic within 100 cm)



SP#13 Pinal de Amoles

Haplic ALISOL (Katoclayic, Cutanic, Humic, Epiraptic, Episiltic, Protostagnic)

1–0 - O, organic horizon;

0–18 – Ah, humus horizon - humic;

18–45 – E, eluvial horizon;

45–110 - 2Btg, argic, protostagnic;

110–(160) – 3BtC, transitional horizon.

SOIL TAXONOMY

Typic Paleudults

fine, mixed, isothermic



SP#14 Mina La Laja
Somereindzic Skeletic LEPTOSOL (Loamic)

0–12 – Ah, humus horizon – somereindzic, skeletal;
12–(50) – R, weathered limestones.

SOIL TAXONOMY

Lithic Torriorthents
fine-loamy, mixed, isothermic



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