Revision of September, 1922.

Key to the Soils of the Arid Southwest Region.

- Coastal Plain and Old Valley Filling Material
  - Coastal Plain, alluvial fan and stream-laid deposits
    - Mixed origin
      - Red to reddish brown soil
        - Red to reddish brown subsoil
          - Compact, calcareous and partially cemented
            - Compact weathered clay and gravel substratum
              - Mohave
                - Mainly granitic Light grayish to brown soil
                  - Grayish brown to reddish brown subsoil
                    - Compact
                      - Drainage well established
                        - Adelanto
                  - Calcareous gray to reddish brown subsoil
                    - Compact and highly calcareous gray lime cemented hardpan substratum
                      - Drainage restricted
                        - Sunrise
            - Yuma
              - Mainly sedimentary rocks
                - Light grayish or pale reddish to pinkish brown soil
                  - Highly calcareous
                    - Light gray subsoil, compact, with lime nodules
                      - Gray firmly cemented caliche hardpan
                        - Surface drainage well established
                          - Las Vegas
                    - Light gray to light pinkish brown subsoil, compact and heavy
                      - High gypsum content
                        - Irregular soft gypsum hardpan
                          - Irregular deeper firmly cemented lime hardpan
                            - Bracken
        - Pinkish gray to yellowish gray subsoil
          - Highly calcareous and friable
            - Tijeras
        - Red to gray subsoil
          - Soil and subsoil highly calcareous
            - Cemented gravel hardpan
              - Gravel substratum
                - Pinal
        - Pale reddish brown to light brown soil
          - Reddish brown to chocolate brown subsoil
            - Compact
              - Porous gravel or sand substratum
                - Soil and subsoil highly calcareous
                  - Drainage good to excessive
                    - Curtis
          - Pale reddish brown to brown upper subsoil
            - Dark purplish brown, dark gray or black lower subsoil
              - Heavy, compact and mottled with lime accumulations
                - Soil and subsoil highly calcareous
                  - San Pedro
        - Light gray to light brownish gray soil
          - Light gray to light brownish-gray subsoil
            - Surface crust desert mulch compact horizon
              - White compact zone of lime carbonate
                - Karro
            - Pervious
              - Soil and subsoil calcareous
                - Superstition
                  - LIGHT GRAYISH TO PALE REDDISH-BROWN SOIL-CALCAREOUS.
                    - GRAY, MORE COMPACTED SUBSOIL
                      - EXCESSIVE LIME-SOFTLY CEMENTED LAYERS-NODULES. CONTAINS GRAVEL
                        - LOWER SUBSOIL
                          - TONOPAH.
                      - HIGHER LIME ACCUMULATION, WITHOUT NODULES
                        - DEEPER SUBSOIL LESS COMPACTED & BROWNER.
                          - AIRDEN
        - Light gray to light grayish brown soil
          - Light gray to light grayish brown subsoil
            - Gravel substratum
              - Soil, subsoil and substratum calcareous
                - Cuyama
          - Pervious
            - Stratified gray, buff yellow and brown mottled subsoils
              - Compact heavy and impervious
                - Calcareous stratified lake bed substratum
                  - Niland
      - Grayish brown to brown soil
        - Subsurface of compact alkali hardpan
          - Light grayish brown to brown subsoil
            - Moderately compacted with salt segregations
              - Drainage well established
                - Cochise
                  - LIGHT BROWNISH GRAY TO MEDIUM BROWNISH GRAY SOIL
                    - HIGHLY CALCAREOUS
                      - GRAY CALCAREOUS SUBSOIL
                        - GRAY SUBSTRATUM WITH LIME NODULES
                          - POOR DRAINAGE
                            - ROMINO
                  - LIGHT GRAYISH BROWN TO BROWN SOIL
                    - CALCAREOUS
                      - LIGHT GRAYISH BROWN TO LIGHT REDDISH-BROWN SUBSOIL
                        - CALCAREOUS
                          - SUBSURFACE AND SUBDRAINAGE RESTRICTED
                            - SPRING
                      - LIGHT PINKISH BROWN TO PINKISH GRAY SOBSOIL
                        - HIGHLY CALCAREOUS
                          - LAND
        - Gray to light brown subsoil
          - Calcareous
            - Gravel substratum
              - Glendale
        - Highly calcareous
          - Light brown to grayish brown subsoil
            - Heavy, compact and highly calcareous
              - Drainage well established
                - DosCabezas
      - Brown to reddish brown or purplish brown soil
        - Non-calcareous
          - Brown or reddish brown subsoil with gravel and cobble
            - Compact but permeable, highly calcareous
              - Gravel and cobble substratum
                - Drainage excessive
                  - Gavot
        - Highly calcareous
          - Gray to grayish brown upper subsoil
            - Highly calcareous
              - Cemented caliche hardpan with stone and gravel
                - Gravel and cobble substratum
                  - Subdrainage restricted
                    - Cave
      - Brown soil
        - Brown subsoil
          - Friable and slightly calcareous
            - Hesperia
        - Gray to brown subsoil
          - Compact and partially cemented
            - Soil and subsoil highly calcareous
              - Drainage poorly established
                - McClellan
      - Dark chocolate brown to black soil
        - Dark brownish gray to black upper subsoil
          - Heavy compact some iron stains
            - Pale reddish brown to dark brown lower subsoil
              - Surface and subsoil materials calcareous
                - Drainage poorly developed
                  - Riggs
  - Mainly lake-laid deposits
    - Mainly sedimentary rocks
      - Gray to pinkish gray soil
        - Gray to pinkish gray subsoil
          - Compact, heavy and calcareous
            - Roswell
              - LIGHT BROWN TO GRAYISH-BROWN SOIL AND SUBSOIL
                - CALCAREOUS
                  - SUBDRAINAGE RESTRICTED
                    - ROSAMOND
    - Mixed origin
      - Light reddish brown to purplish or chocolate brown soil
        - Light reddish brown to purplish or chocolate brown subsoil
          - Light textured and pervious
            - Soil and subsoil calcareous
              - Subdrainage restricted
                - Substratum lake beds
                  - Holtville
          - Compact, heavy and impervious
            - Soil and subsoil calcareous
              - Subdrainage restricted
                - Substratum lake beds
                  - Imperial
- Wind-laid material
  - Mixed origin
    - Light grayish brown to brown or purplish brown soil
      - Light brown to brown or purplish brown subsoil
        - Soil and subsoil calcareous
          - Substratum lake beds
            - Subsoil heavy impervious and compact
              - Subdrainage restricted
                - Meloland
            - Subsoil light and pervious
              - Rositas
                - MICACEOUS CRYSTALLINE ROCKS (MAINLY GRANITIC)
                  - GRAY TO BROWNISH GRAY SOIL
                    - NONCALCAREOUS OR FEEBLY CALCAREOUS
                      - GRAY TO BROWNISH GRAY SUBSOIL
                        - CALCAREOUS
                          - GOOD DRAINAGE
                            - COACHELLA
    - Light pinkish gray to light brownish gray soil
      - Light pinkish gray to light brownish gray subsoil
        - Brazito
- Recent alluvial material
  - Alluvial fan with minor flood plain deposits
    - Mainly granitic rocks
      - Light gray to light brownish gray soil
        - Light gray to light brownish gray subsoil
          - Light gray to light brownish gray subsoil
            - Soil and subsoil calcareous and friable
              - Indio
      - Light brown to brown soil
        - Light brown to brown subsoil
          - Soil and subsoil slightly calcareous and friable
            - Cajon
    - Mixed origin
      - Light gray to light brownish gray soil
        - Light gray to light brownish gray subsoil
          - Soil and subsoil calcareous and friable
            - Carrizo
      - Light grayish brown to light reddish brown soil
        - Light grayish brown to light reddish brown subsoil
          - Calcareous and friable
            - Anthony
  - Flood Plain with minor alluvial fan deposits
    - Mixed origin
      - Light grayish brown or pinkish brown to brown soil
        - Light grayish brown or pinkish brown to brown subsoil
          - Soil and subsoil calcareous
            - Gila
      - Dark brown to dark grayish brown soil
        - Gray to dark brown subsoil
          - Soil and subsoil calcareous
            - Pima