**SCORECARD**

**VIRTUAL NATIONAL SOIL JUDGING CONTEST**

**APRIL 5-16, 2021**

**1.\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**2.\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**3.\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**4.\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**5.\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**Total \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**Contestant:**

**School:**

**Pedon Number:**

**1. Soil Morphology Score:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Horizonation** | | | | **Boundary** | | **Texture** | | | | | | **Color** | | | **Structure** | | **Cons.** | **Soil Features** | | | **Score** |
| Master | | Sub.  (5) | No.  (5) | Dep. (cm) | Dist. | Sand (%) | Silt (%) | Clay (%)  (5) | CF (%) | CF mod. (5) | Class (5) | Hue | Value | Chr. | Grade | Shape | Moist  Strength | Redox | | Eff. | (35) |
| Pre.  (5) | Let.  (5) | Depl. | Conc. |
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**2. Soil Profile Characteristics Score:**

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| --- | --- | --- | --- | --- | --- |
| **Hydraulic Conductivity (10)** | | **Loading Rate**  **at 75 cm (5)** | **Effective Soil Depth (5)** | **Water Retention Difference (5)** | **Soil Wetness Class (5)** |
| Surface (5)  \_\_\_\_\_\_High  \_\_\_\_\_\_Mod.  \_\_\_\_\_\_Low | Limiting Layer (5)  \_\_\_\_\_\_High  \_\_\_\_\_\_Mod.  \_\_\_\_\_\_Low | \_\_\_\_\_\_ gpd/ft2 (3)    Ref. (2) \_\_\_\_\_\_ | \_\_\_\_V. shallow (<25 cm)  \_\_\_\_Shallow (25 to 49 cm)  \_\_\_\_Mod. deep (50 to 99 cm)  \_\_\_\_Deep (100 to 149 cm)  \_\_\_\_Very deep (≥150 cm) | \_\_\_\_Very low (< 7.5 cm)  \_\_\_\_Low (7.5 to < 15 cm)  \_\_\_\_Mod. (15 to < 22.5 cm)  \_\_\_\_High (≥ 22.5 cm) | \_\_\_\_ (> 150 cm)  \_\_\_\_ (100 to 150 cm)  \_\_\_\_ (50 to 99 cm)  \_\_\_\_ (25 to 49 cm)  \_\_\_\_ (< 25 cm) |

**3. Site Characteristics Score:**

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| --- | --- | --- | --- | --- | --- |
| **Parent Material (GIVEN)** | **Landform (GIVEN)** | **Slope (GIVEN)** | **Slope Profile (5)** | **Surface Runoff (5)** | **Eros. Pot. (5)** |
|  |  |  | \_\_\_\_ Summit  \_\_\_\_ Shoulder  \_\_\_\_ Backslope  \_\_\_\_ Footslope  \_\_\_\_ Toeslope  \_\_\_\_ None | \_\_\_\_Ponded  \_\_\_\_Very slow  \_\_\_\_Slow  \_\_\_\_Medium  \_\_\_\_Rapid  \_\_\_\_Very rapid | \_\_\_\_ Very Low  \_\_\_\_ Low  \_\_\_\_ Medium  \_\_\_\_ High  \_\_\_\_ Very High |

**4. Soil Classification Score:**

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| --- | --- | --- | --- | --- |
| **Epipedon (5)** | **Subsurface horizons and/or diagnostic features (5 each)** | **Order (10)** | **Suborder (10)** | **Great Group (10)** |
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**5. Interpretations Score:**

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| **Houses with Basements (3)** | **Septic Tank Abs. Fields (3)** | **Local Roads and Streets (3)** | **Corn (3)** | **Hopyards (3)** | **Created Wetlands (3)** |
| \_\_\_\_\_\_\_ Slight  \_\_\_\_\_\_\_ Moderate  \_\_\_\_\_\_\_ Severe  Reason # (2): \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight  \_\_\_\_\_\_\_ Moderate  \_\_\_\_\_\_\_ Severe  Reason # (2): \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight  \_\_\_\_\_\_\_ Moderate  \_\_\_\_\_\_\_ Severe  Reason (2): \_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight  \_\_\_\_\_\_\_ Moderate  \_\_\_\_\_\_\_ Severe  Reason (2): \_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight  \_\_\_\_\_\_\_ Moderate  \_\_\_\_\_\_\_ Severe  Reason (2): \_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight  \_\_\_\_\_\_\_ Moderate  \_\_\_\_\_\_\_ Severe  Reason (2): \_\_\_\_\_\_ |