**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 | MoistStrength | 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\_\_\_\_\_\_\_ SevereReason # (2): \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight\_\_\_\_\_\_\_ Moderate\_\_\_\_\_\_\_ SevereReason # (2): \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight\_\_\_\_\_\_\_ Moderate\_\_\_\_\_\_\_ SevereReason (2): \_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight\_\_\_\_\_\_\_ Moderate\_\_\_\_\_\_\_ SevereReason (2): \_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight\_\_\_\_\_\_\_ Moderate\_\_\_\_\_\_\_ SevereReason (2): \_\_\_\_\_\_ | \_\_\_\_\_\_\_ Slight\_\_\_\_\_\_\_ Moderate\_\_\_\_\_\_\_ SevereReason (2): \_\_\_\_\_\_ |