Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Your Initials: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Panel: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Panel Location (site): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Panel Aspect: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1 minute sketch of panel

|  |
| --- |
| The panel sketch would go here |

**Scale:**

**0 - not present**

**1 - present**

**2 - obvious**

**3 - dominant**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Setting the Stage: Fissures & Rock Weaknesses** | |  |  |  |  | Notes |  |
|  | **Fissures independent of stone lithification** (pressure release, calcrete wedging) | 0 | 1 | 2 | 3 |  |  |
|  | **Fissures dependent on lithification** (bedding, foliations) | 0 | 1 | 2 | 3 |  |  |
|  | **Changes in textural anomalies** (banding, concretions) | 0 | 1 | 2 | 3 |  |  |
|  | **Rock weakness** (Hardness tested at control site: 0 = quartz scratch/not scratched, 1 = knife blade scratch, 2 = by knife fingernail scratch, 3 = penny scratch) | 0 | 1 | 2 | 3 |  |  |
| **Preparing for Detachment** | |  |  |  |  |  |  |
|  | **Fissuresol** (future location of break-off) | 0 | 1 | 2 | 3 |  |  |
|  | **Roots** | 0 | 1 | 2 | 3 |  |  |
|  | **Plant growth near or on panel** | 0 | 1 | 2 | 3 |  |  |
|  | **Scaling** (larger than flaking) | 0 | 1 | 2 | 3 |  |  |
|  | **Splintering** (following stone structure/oblique to surface) | 0 | 1 | 2 | 3 |  |  |
|  | **Undercutting** | 0 | 1 | 2 | 3 |  |  |
|  | **Weathering-rind development** | 0 | 1 | 2 | 3 |  |  |
|  | **Other concerns** (e.g. water flow) | 0 | 1 | 2 | 3 |  |  |
|  |  |  |  |  |  |  |  |
| **Loss of Stone Material Incrementally** | |  |  |  |  |  |  |
|  | **Abrasion** (from sediment transport by water) | 0 | 1 | 2 | 3 |  |  |
|  | **Anthropogenic cutting** (carving, chiseling, bullet impact...) | 0 | 1 | 2 | 3 |  |  |
|  | **Aveolization** (honeycombed appearance) | 0 | 1 | 2 | 3 |  |  |
|  | **Crumbly disintegration** (in groups of grains/powdery) | 0 | 1 | 2 | 3 |  |  |
|  | **Flaking** (single or multiple) | 0 | 1 | 2 | 3 |  |  |
|  | **Flaking of the weathering rind** | 0 | 1 | 2 | 3 |  |  |
|  | **Granular disintegration** (most frequently sandstone and granitic) | 0 | 1 | 2 | 3 |  |  |
|  | **Lithobiont pitting** (lichens, mosses, etc.) | 0 | 1 | 2 | 3 |  |  |
|  | **Lithobiont release** (when the “dam” of weathered rind decayed rock erodes) | 0 | 1 | 2 | 3 |  |  |
|  | **Loss parallel to stone structure** (bedding or foliations) | 0 | 1 | 2 | 3 |  |  |
|  | **Rock coating detachment** (usually incomplete; includes paint material in pictographs) | 0 | 1 | 2 | 3 |  |  |
|  | **Rounding of petroglyph edges** (or blurring of pictograph images) | 0 | 1 | 2 | 3 |  |  |
|  | **Scaling** (larger than flaking) | 0 | 1 | 2 | 3 |  |  |
|  | **Textural anomaly features erode differentially** (clay lenses, cementation differences, nodules) | 0 | 1 | 2 | 3 |  |  |
|  | **Splintering** (following stone structures and oblique to stone surface) | 0 | 1 | 2 | 3 |  |  |
|  | **Other forms** of incremental erosion | 0 | 1 | 2 | 3 |  |  |
|  |  |  |  |  |  |  |  |
| **Loss of Stone by breaking-off chunks** | |  |  |  |  |  |  |
|  | **Anthropogenic activities** | 0 | 1 | 2 | 3 |  |  |
|  | **Fissuresol/calcrete wedging** (or dust in fissuresol, or both) | 0 | 1 | 2 | 3 |  |  |
|  | **Fire** | 0 | 1 | 2 | 3 |  |  |
|  | **Undercutting** | 0 | 1 | 2 | 3 |  |  |
|  | **Other natural causes** of break-off (roots, earthquakes, etc.) | 0 | 1 | 2 | 3 |  |  |
|  |  |  |  |  |  |  |  |
| **Rock coatings (and other deposits)** | |  |  |  |  |  |  |
|  | **Anthropogenic** (chalking, graffiti, other) | 0 | 1 | 2 | 3 |  |  |
|  | **Rock coating present** | 0 | -1 | -2 | -3 |  |  |
|  | **Case hardening** (deposits in rock that harden outer shell) | 0 | -1 | -2 | -3 |  |  |
|  | **Salt Efflorescence or subflorescence** | 0 | 1 | 2 | 3 |  |  |

**Notations on Rock Coatings** (note: these notes do not alter the Rock Art Stability Index Score, but they are useful in analyzing a site's context)

**Less difficult to identify in the field**

|  |  |  |
| --- | --- | --- |
|  | Circle One | Notes |
| Lithobionts (e.g. lichen) | Yes / No / Uncertain |  |
| Rock Varnish (desert varnish) | Yes / No / Uncertain |  |
| Droppings | Yes / No / Uncertain |  |
| Dust Coatings | Yes / No / Uncertain |  |
| Iron Film | Yes / No / Uncertain |  |

**More difficult coatings to identify in the field**

|  |  |  |
| --- | --- | --- |
|  | Circle One | Notes |
| Silica glaze | Yes / No / Uncertain |  |
| Heavy metal | Yes / No / Uncertain |  |
| Oxalate | Yes / No / Uncertain |  |