

VERMONT DIVISION FOR HISTORIC PRESERVATION
Environmental Predictive Model for Locating Pre-contact Archaeological Sites

Project Name
DHP No.

County
Map No.

Staff Init.

Town
Date

Additional Information

| Environmental Variable | Proximity | Value | Assigned Score |
|--|------------------|--------------|-----------------------|
| A. RIVERS and STREAMS (EXISTING or RELICT): | | | |
| 1) Distance to River or Permanent Stream (measured from top of bank) | 0- 90 m | 12 | |
| | 90- 180 m | 6 | |
| 2) Distance to Intermittent Stream | 0- 90 m | 8 | |
| | 90-180 m | 4 | |
| 3) Confluence of River/River or River/Stream | 0-90 m | 12 | |
| | 90 –180 m | 6 | |
| 4) Confluence of Intermittent Streams | 0 – 90 m | 8 | |
| | 90 – 180 m | 4 | |
| 5) Falls or Rapids | 0 – 90 m | 8 | |
| | 90 – 180 m | 4 | |
| 6) Head of Draw | 0 – 90 m | 8 | |
| | 90 – 180 m | 4 | |
| 7) Major Floodplain/Alluvial Terrace | | 32 | |
| 8) Knoll or swamp island | | 32 | |
| 9) Stable Riverine Island | | 32 | |
| B. LAKES and PONDS (EXISTING or RELICT): | | | |
| 10) Distance to Pond or Lake | 0- 90 m | 12 | |
| | 90 -180 m | 6 | |
| 11) Confluence of River or Stream | 0-90 m | 12 | |
| | 90 –180 m | 6 | |
| 12) Lake Cove/Peninsula/Head of Bay | | 12 | |
| C. WETLANDS: | | | |
| 13) Distance to Wetland (wetland > one acre in size) | 0- 90 m | 12 | |
| | 90 -180 m | 6 | |
| 14) Knoll or swamp island | | 32 | |
| D. VALLEY EDGE and GLACIAL LAND FORMS: | | | |
| 15) High elevated landform such as Knoll Top/Ridge Crest/ Promontory | | 12 | |
| 16) Valley edge features such as Kame/Outwash Terrace** | | 12 | |

| | | | |
|--|------------|------|---------------------|
| 17) Marine/Lake Delta Complex** | | 12 | |
| 18) Champlain Sea or Glacial Lake Shore Line** | | 32 | |
| E. OTHER ENVIRONMENTAL FACTORS: | | | |
| 19) Caves /Rockshelters | | 32 | |
| 20) <input type="checkbox"/> Natural Travel Corridor <input type="checkbox"/> Sole or important access to another drainage <input type="checkbox"/> Drainage divide | | 12 | |
| 21) Existing or Relict Spring | 0 – 90 m | 8 | |
| | 90 – 180 m | 4 | |
| 22) Potential or Apparent Prehistoric Quarry for stone procurement | 0 – 180 m | 32 | |
| 23)) Special Environmental or Natural Area, such as Milton aquifer, mountain top, etc. (these may be historic or prehistoric sacred or traditional site locations and prehistoric site types as well) | | 32 | |
| F. OTHER HIGH SENSITIVITY FACTORS: | | | |
| 24) High Likelihood of Burials | | 32 | |
| 25) High Recorded Site Density | | 32 | |
| 26) High likelihood of containing significant site based on recorded or archival data or oral tradition | | 32 | |
| G. NEGATIVE FACTORS: | | | |
| 27) Excessive Slope (>15%) or Steep Erosional Slope (>20) | | - 32 | |
| 28) Previously disturbed land as evaluated by a qualified archeological professional or engineer based on coring, earlier as-built plans, or obvious surface evidence (such as a gravel pit) | | - 32 | |
| ** refer to 1970 Surficial Geological Map of Vermont | | | |
| | | | Total Score: |
| Other Comments : | | | |
| 0- 31 = Archeologically Non- Sensitive 32+ = Archeologically Sensitive | | | |