APPENDIX C

Environmental Predictive Model for Locating Precontact Archeological Sites

Project Name_____**County**_____**Town**_____
DHP No. _____ **Map No.** _____**Staff Init.** _____
Date_____ **Additional Information**_____

Environmental Variable	Proximity	Value	Assigned Score
A. RIVERS and STREAMS (EXISTING or RELICT):			
1) Distance to River or	0- 90 m	12	_____
Permanent Stream (measured from top of bank)	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	0- 90 m	12	_____
(wetland > one acre in size)	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) [ ] Natural Travel Corridor [ ] Sole or important access to another drainage [ ] Drainage divide		12	_____
21) Existing or Relict Spring	0 – 90 m 90 – 180 m	8 4	_____
22) Potential or Apparent Prehistoric Quarry for stone procurement	0 – 180 m	32	_____
23)) Special Environmental or Natural Area, such as Milton acquifer, 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**