Supplemental Table 1. Archaeological surveys undertaken by authors and additional selected surveyed areas with large numbers of Late Dorset dwelling features present.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Surveyed Area** | **Map No. (Supplemental Figure 1)**  | **KM Surveyeda** | **ASTt****Dwelling Features** **Recordedb** | **Reference** |
| Walker Bay | 1 | 30 | 32 | Savelle and Dyke (2002); plus unpublished results |
| Cape Ptarmigan | 2 | 10 | 18 | Savelle and Dyke (2002); plus unpublished results |
| Page Point | 3 | 30 | 184 | Savelle and Dyke (2002); plus unpublished results |
| Woodward Point | 4 | 15 | 285 | Savelle and Dyke (2002); plus unpublished results |
| SW Prince Albert Sound | 5 | 30 | 147 | Savelle and Dyke (2002); plus unpublished results |
| SE Prince Albert Sound | 6 | 35 | 46 | Savelle and Dyke (2002); plus unpublished results |
| Innirit Point | 7 | 30 | 181 | Savelle and Dyke (2002); plus unpublished results |
| Cache Point | 8 | 45 | 23 | Savelle and Dyke (2002); plus unpublished results |
| Cambridge Bay | 9 | † | ‡ | Friesen (2007) |
| Kent Peninsula | 10 | 50 | 219 | Dyke and Savelle (2009); plus unpublished results |
| Cape Jane Franklin | 11 | 25 | 168 | Dyke and Savelle (2009); plus unpublished results |
| Weld Harbour | 12 | 60 | 240 | Dyke and Savelle (2009); plus unpublished results |
| Cape Alexander | 13 | 20 | 243 | Dyke and Savelle (2009); plus unpublished results |
| Peel Inlet | 14 | 30 | 168 | Dyke and Savelle (2009); plus unpublished results |
| SE Somerset Island | 15 | 85 | 83 | Savelle and Dyke (2009); plus unpublished results |
| Murray Bay | 16 | 50 | 82 | Savelle and Dyke (2009); plus unpublished results |
| Abernethy Bay | 17 | 15 | 107 | Savelle and Dyke (2009); plus unpublished results |
| Cape Chapman | 18 | 35 | 109 | Savelle and Dyke (2009); plus unpublished results |
| Crown Prince Frederik Island | 19 | 60 | 101 | Savelle and Dyke (2009); plus unpublished results |
| Alarnerk | 20 | 30 | 128 | Savelle and Dyke (2014); plus unpublished results |
| Igloolik | 21 | † | 837 | Meldgaard (1960); Savelle and Dyke (2014) |
| Steensby Inlet | 22 | 7\* | 75 | Pinard (2011) |
| Rowley River | 23 | 10 | 21 | Savelle and Dyke (2014); plus unpublished results |
| Cape Thalbitzer | 24 | 20 | 22 | Savelle and Dyke (2014); plus unpublished results |
| Jens Munk Island | 25 | 100 | 511 | Savelle and Dyke (2014); plus unpublished results |
| Koch Island | 26 | 100 | 212 | Savelle and Dyke (2014); plus unpublished results |
| Rowley Island | 27 | 60 | 305 | Savelle and Dyke (2014); plus unpublished results |
| Lake Harbour, Baffin Island | 28 | † | ‡ | Maxwell (1976, 1985) |
| Shellabear Point, Melville Island | 29 |  |  | TMP reported to authors by Scott Lamoureux (personal communication 2015) |
| Little Cornwallis Islandc | 30 | 30\* | 63 | Helmer et al. (1993); Helmer et al. (1995); Helmer et al. (1996) |
| Port Refuge, Devon Island | 31 | † | ‡ | McGhee (1981) |
| Northern Lowlands, Devon Islandd | 32 | 42 | 111 | Helmer (1991, 1992)  |
| Lake Hazen, Ellesmere Island | 33 | † | ‡ | Sutherland (2003)e |
| Bache Peninsula, Ellesmere Island | 34 | † | 150+ | Schledermann (1978, 1990) |
| Cape Agassiz and Bonsal Island | 35 |  | ‡ | Darwent et al. (2007) (Helicopter Survey)f |
| Jens Jarl and Paris Fjord | 36 | 41 | 104 | Darwent et al. (2007) |
| Glacier and Marshall Bay | 37 | 45 | 147 | Darwent et al. (2007); plus unpublished results |
| Force Bay/Cape Grinnell | 38 | 15 | 25 | Darwent et al. (2007); plus unpublished results |
| Hatherton Bay | 39 | 5\* | 150+ | Appelt et al. (1998) |
| Harstene Bay | 40 | 32 | 73 | Darwent and Johansen (2010); plus unpublished results |

aDwelling features included tent rings, midpassages, longhouses, and hearth rows. † = Survey distance unavailable. \* = Estimated distance surveyed.

b‡ = Substantial numbers of ASTt features recorded but exact numbers not available.

cIn addition to not being identified on Little Cornwallis Island, TMPs were not reported for Karluk Island (Helmer 1981) and Brooman Point on Bathurst Island (Park 2003). Both of these areas are in Crozier Strait just south of Little Cornwallis Island and have substantial numbers of Paleoeskimo features present.

dThe TMP reported for this area was not found during Helmer’s (1992) surveys of the region but rather by Spencer Apollonio (personal communication 2005), who was undertaking nonarchaeological research in the True Love Lowland area.

eBeyond the Lake Hazen area, Sutherland reviews Paleoeskimo sites in other areas of Ellesmere Island and Axel Heiberg Island and does not report TMPs.

fTMPs were recorded both on the coast of Cape Agassiz and Bonsal Island. Numerous other ASTt features were present in both areas but time did not allow for a detailed census.

**Supplemental References Cited**

Appelt, Martin, Hans Christian Gulløv, and Hans Kapel

1998 The Gateway to Greenland: Report of the Field Season 1996. In *Man, Culture and Environment in Ancient Greenland*, edited by Jette Arneborg and Hans Christian Gulløv, pp. 136–153. National Museum of Denmark and the Danish Polar Center, Copenhagen.

Darwent, John, Christyann M. Darwent, Genevieve M. LeMoine, and Hans Lange

2007 Archaeological Survey of Eastern Inglefield Land, Northwest Greenland. *Arctic Anthropology* 44:51–86.

Darwent, John, and Trine B. Johansen

2010 Archaeological Survey in the Foulke Fjord Region, Inglefield Land, Northwestern Greenland. *Geografisk Tidsskrift [Danish Journal of Geography]* 110(2):27–42.

Dyke, Arthur S., and James M. Savelle

2009 Paleoeskimo Demography and Sea-Level History, Kent Peninsula and King William Island, Central Northwest Passage. *Arctic* 62:371–392.

Friesen, T. Max

2007 Hearth Rows, Hierarchies and Arctic Hunter-Gatherers: The Construction of Equality in the Late Dorset Period. World Archaeology 39:194–214.

Helmer, James W.

1981 Climate Change and Dorset Culture Change in the Crozier Strait Region, NWT: A Test of the Hypothesis. PhD dissertation, Department of Archaeology, University of Calgary, Alberta, Canada.

1991 The Palaeo-Eskimo Prehistory of the North Devon Lowlands. *Arctic* 44:301–317.

1992 Prehistoric Site Location Strategies in the North Devon Lowlands, High Arctic Canada. *Journal of Field Archaeology* 19:291–313

Helmer, James W., Genevieve M. LeMoine, and Don Hanna

1993 *Central High Arctic Archaeology Programme (C.H.A.A.P): Report of the 1992 Field Season of the McDougall Sound Archaeological Research Project.* Submitted to the Prince of Wales Northern Heritage Centre, Yellowknife, Northwest Territories, Canada Copies available from Prince of Wales Northern Heritage Centre, Yellowknife, Northwest Territories, Canada.

Helmer, James W., Genevieve M. LeMoine, and Don Hanna

1995 *Central High Arctic Archaeology Programme (C.H.A.A.P): Report of the 1993 Field Season of the McDougall Sound Archaeological Research Project.* Submitted to the Prince of Wales Northern Heritage Centre, Yellowknife, Northwest Territories, Canada. Copies available from Prince of Wales Northern Heritage Centre, Yellowknife, Northwest Territories, Canada.

Helmer, James W., Genevieve M. LeMoine, and Don Hanna

1996 *Central High Arctic Archaeology Programme (C.H.A.A.P): Report of the 1994 Field Season of the McDougall Sound Archaeological Research Project.* Submitted to the Prince of Wales Northern Heritage Centre, Yellowknife, Northwest Territories, Canada. Copies available from Prince of Wales Northern Heritage Centre, Yellowknife, Northwest Territories, Canada.

Maxwell, Moreau S.

1976 Introduction. In *Eastern Arctic Prehistory: Paleoeskimo Problems*, edited by Moreau S. Maxwell, pp. 1–5. Memoirs of the Society for American Archaeology No. 31. Society for American Archaeology, Washington, DC.

1985 *Eastern Arctic Prehistory*. Academic Press, Orlando, Florida.

McGhee, Robert

1981 *The Tuniit: First Explorers of the High Arctic*. Archaeological Survey of Canada, National Museum of Man, National Museums of Canada, Ottawa.

Meldgaard, Jørgen

1960 Prehistoric Culture Sequences in the Eastern Arctic as Elucidated by Stratified Sites at Igloolik. In *Men and Cultures—Selected Papers of the First International Congress of Anthropological and Ethnological Sciences*, edited by A. F. C. Wallace, pp. 588–595. University of Pennsylvania Press, Philadelphia.

Park, Robert

2003 The Dorset Culture Longhouse at Brooman Point, Nunavut. *Études/Inuit/Studies* 27(1–2):239−253.

Pinard, Claude

2011 *Mary River Project, Nunavut: 2010 Archaeological Investigation Final Permit Report. Nunavut Department of Culture and Heritage*. Submitted to Baffinland Iron Mines Corporation, NU Archaeologist’s Permit 2010-026A. Copies available from Inuit Heritage Trust, Government of Nunavut, Iqaluit, Canada.

Schledermann, Peter

1978 Preliminary Results of Archaeological Investigations in the Bache Peninsula Region, Ellesmere Island, N.W.T. *Arctic* 31(4):459–474.

1990 *Crossroads to Greenland: 3000 Years of Prehistory in the Eastern High Arctic*. Komatik Series. Arctic Institute of North America, University of Calgary, Calgary, Alberta, Canada.

Savelle, James M., and Arthur S. Dyke

2002 Variability in Paleoeskimo Occupation History on Victoria Island, N.W.T.: Causes and Consequences. *World Archaeology* 33:508–522.

2009 Paleoeskimo Demography on Western Boothia Peninsula, Central Canadian Arctic. *Journal of Field Archaeology* 34:267–283.

2014 Paleoeskimo Occupation History of Fox Basin, Arctic Canada: Implications for the Core Area Model and Dorset Origins. *American Antiquity* 79:249–276.

Sutherland, Patricia D.

2003 Variability and Change in Palaeo-Eskimo Architecture: A View from the Canadian High Arctic. *Études/Inuit/Studies* 28(1–2):191–212.