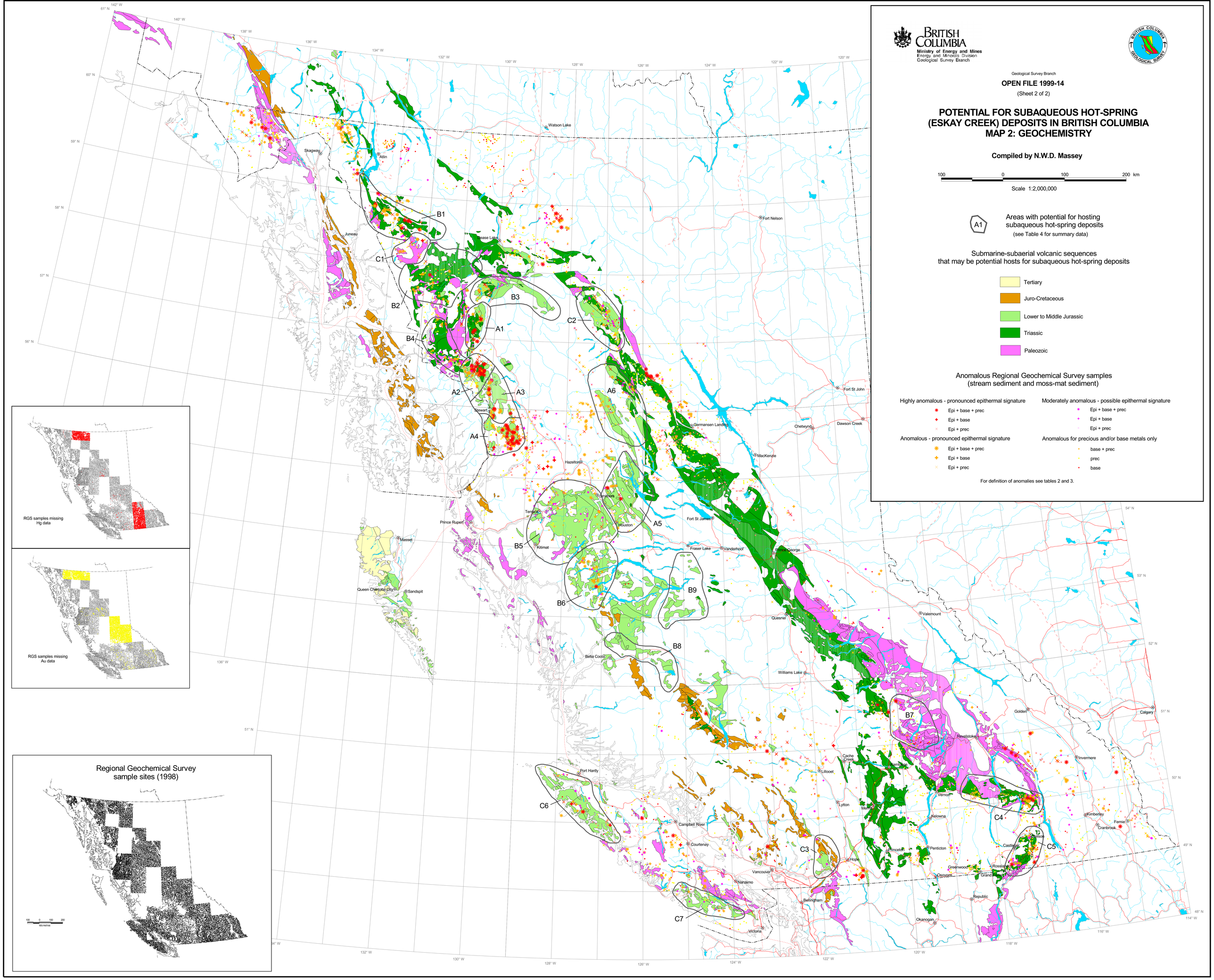
BRITISH COLUMBIA
Ministry of Energy and Mines
Energy and Minerals Division
Geological Survey Branch
Geological Survey Branch
OPEN FILE 1999-14
(Sheet 2 of 2)
POTENTIAL FOR SUBAQUEOUS HOT-SPRING (ESKAY CREEK) DEPOSITS IN BRITISH COLUMBIA
MAP 2: GEOCHEMISTRY
Compiled by N.W.D. Massey
100 0 100 200 km
Scale 1:2,000,000
A1
Areas with potential for hosting subaqueous hot-spring deposits
(see Table 4 for summary data)
Submarine-subaerial volcanic sequences that may be potential hosts for subaqueous hot-spring deposits
Tertiary
Juro-Cretaceous
Lower to Middle Jurassic
Triassic
Paleozoic
Anomalous Regional Geochemical Survey samples (stream sediment and moss-mat sediment)
Highly anomalous - pronounced epithermal signature
Epi + base + prec
Epi + base
Epi + prec
Moderately anomalous - possible epithermal signature
Epi + base + prec
Epi + base
Epi + prec
Anomalous - pronounced epithermal signature
Epi + base + prec
Epi + base
Epi + prec
Anomalous for precious and/or base metals only
base + prec
prec
base
For definition of anomalies see tables 2 and 3.
RGS samples missing Hg data
RGS samples missing Au data
Regional Geochemical Survey sample sites (1998)
100 0 100 200 kilometres
A1
A2
A3
A4
A5
A6
B1
B2
B3
B4
B5
B6
B7
B8
B9
C1
C2
C3
C4
C5
C6
C7
Watson Lake
Skagway
Atlin
Juneau
Dease Lake
Fort Nelson
Fort St John
Dawson Creek
Chetwynd
Germansen Landing
MacKenzie
Stewart
Hazelton
Smithers
Terrace
Houston
Prince Rupert
Kitimat
Masset
Queen Charlotte City
Sandspit
Fort St James
Fraser Lake
Vanderhoof
Prince George
Quesnel
Valemount
Bella Coola
Williams Lake
Golden
Calgary
Revelstoke
Cache Creek
Ashcroft
Lillooet
Invermere
Port Hardy
Lytton
Merritt
Vernon
Kelowna
Kimberley
Fernie
Cranbrook
Campbell River
Courtenay
Princeton
Penticton
Castlegar
Nelson
Hope
Vancouver
Nanaimo
Greenwood
Osoyoos
Rossland
Grand Forks
Bellingham
Republic
Okanogan
Victoria
Albers Equal Area Projection; standard parallels 50°00'N and 58°30'N.
CAUTION: This map has been plotted using a HP 650C Inkjet Plotter. The ink used is not waterproof. It will also fade if exposed to bright light. A digital plot file can be downloaded from http://www.em.gov.bc.ca/geology/
Basemap amended from Journeay and Williams (1995); Geological Survey of Canada Open File 2948 (v. 1.0).