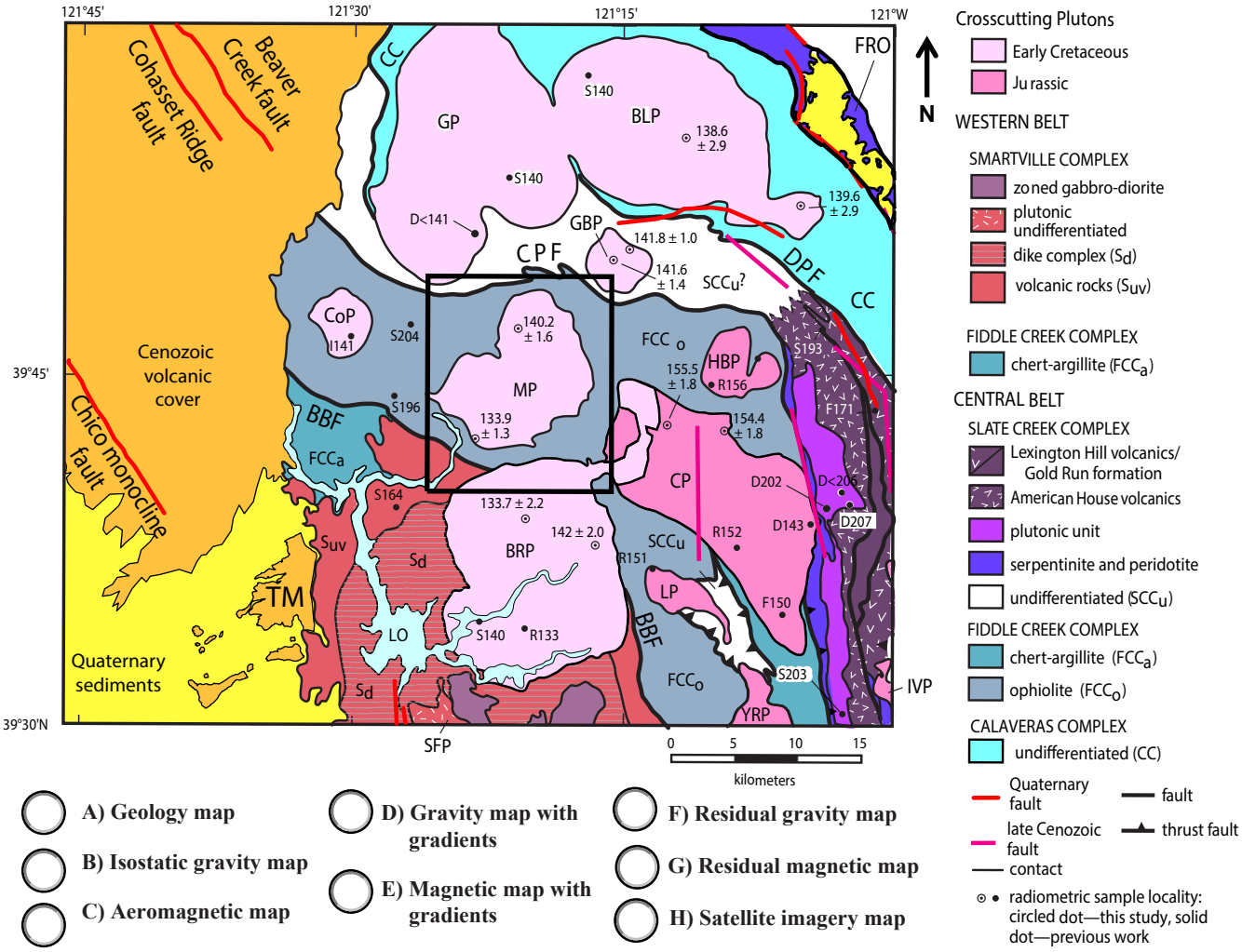
121°45'
121°30'
121°15'
121°W
39°45'
39°30'N
Cohasset Ridge fault
Beaver Creek fault
Chico monocline fault
Cenozoic volcanic cover
Quaternary sediments
JJ
GP
BLP
FRO
S140
138.6 ± 2.9
139.6 ± 2.9
D<141
GBP
141.8 ± 1.0
141.6 ± 1.4
CPF
DPF
SCCu?
CC
CoP
I141
S204
140.2 ± 1.6
MP
FCC o
HBP
155.5 ± 1.8
R156
S193
S196
133.9 ± 1.3
BBF
FCCa
154.4 ± 1.8
F171
CP
D202
D<20
D207
D143
S164
133.7 ± 2.2
142 ± 2.0
BRP
SCCu
R152
R151
Suv
Sd
TM
LP
F150
LO
S140
R133
BBF
FCCo
S203
IVP
YRP
SFP
0 5 10 15
kilometers
N
Crosscutting Plutons
Early Cretaceous
Jurassic
WESTERN BELT
SMARTVILLE COMPLEX
zoned gabbro-diorite
plutonic undifferentiated
dike complex (Sd)
volcanic rocks (Suv)
FIDDLE CREEK COMPLEX
chert-argillite (FCCa)
CENTRAL BELT
SLATE CREEK COMPLEX
Lexington Hill volcanics/ Gold Run formation
American House volcanics
plutonic unit
serpentinite and peridotite
undifferentiated (SCCu)
FIDDLE CREEK COMPLEX
chert-argillite (FCCa)
ophiolite (FCCo)
CALAVERAS COMPLEX
undifferentiated (CC)
Quaternary fault
fault
late Cenozoic fault
thrust fault
contact
radiometric sample locality: circled dot—this study, solid dot—previous work
A) Geology map
B) Isostatic gravity map
C) Aeromagnetic map
D) Gravity map with gradients
E) Magnetic map with gradients
F) Residual gravity map
G) Residual magnetic map
H) Satellite imagery map

Figure 2.