FIGURE 4A. GEOLOGIC MAP OF THE ROSARIO SEGMENT OF THE ALISITOS ARC, BAJA CALIFORNIA, MEXICO.

Mapping by S. Medynski, R.A. Morris, C.J. Busby and S.M. DeBari (2014-2018), and B. Fackler-Adams and C.J. Busby (1993-1996)

Locality numbers refer to: (1) 118 samples, described with annotated outcrop photos and photomicrographs, as well as geochemical plots, plus (2) 107 sites where geochemistry was not done, described with annotated outcrop photos or photomicrographs. All of these descriptions are presented in SI-4 (see Supplemental Material at https://doi.org/10.1130/SPE.S.21714257), with global positioning system locations. K—Cretaceous.

Location shown on text Figure 2.

This insert accompanies

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Geology of a Large Intact Extensional Oceanic Arc Crustal Section with Superior Exposures: Cretaceous Alisitos Arc, Baja California (Mexico)
By Cathy J. Busby, Rebecca A. Morris, Susan M. DeBari, Sarah Medynski, Keith Purtirka, Graham D.M. Andrews, Axel K. Schmitt, and Sarah R. Brown
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FIGURE 4B. MAP LEGEND

Details in Table 1

SYMBOLS

- sample location
- U-Pb zircon age sample location
- $^{40}Ar/^{39}Ar$ age sample location
- contact
- inferred contact
- 25 strike and dip of bedding
- 25 strike and dip measured on flow banding
- normal fault, ball on down-thrown block, dashed where inferred
- antiform axial trace
- synform axial trace
- contour intervals 20 m
- arroyo
- paved highway

QUAT.
- Qao — Quaternary sediments

LATE K
- KTrg — Late Cretaceous sedimentary rocks

EARLY CRETACEOUS

STRATA

Lavas (Kl)
- Kl-s — Lavas of silicic composition, with associated flow breccias.
- Kl-i — Lavas of intermediate composition, with associated flow breccias.
- Kl-m — Lavas of mafic composition, with associated flow breccias.
- Khc-m — Hyaloclastite breccias, mafic to intermediate composition (marine environments).

Lava Domes (Kld)
- Kld-s — Silicic lava dome and associated dome talus.

Block-and-Ash-Flow Tuffs (Kbat)
- Kbat-s — Block-and-ash flow tuffs of silicic composition.
- Kbat-i — Block-and-ash flow tuffs of intermediate composition.

IGNIMBRITES (all silicic) (Ki)

Non-marine
- Ki-SF — Tuff of San Fernando, welded ignimbrite. Mapped separately because of its thickness.
- Ki-A — Welded. Ignimbrite - tuff of Aguajito because of its volume and lateral extent.
- Ki-P — Tuff of Proterro, welded ignimbrite. Mapped separately because of its thickness.

Marine
- Kim — Marine, non-welded ignimbrites.
- Kim-A — Non-welded. Mapped separately

Ignimbrites: non-marine, mostly welded. Up section.

VOLCANICLASTIC ROCKS (Kv)

	Non-marine	Marine	Marine and non-marine
Silicic	Kvf-s — Fluvially reworked tuffs with dominantly silicic clasts.	Kvt-s — Marine tuff turbidites with dominantly silicic clasts.	Kvdf-s — Volcanic debris flow deposits with dominantly silicic clasts.
Mafic	Kvf-m — Fluvially reworked tuffs with dominantly mafic to intermediate clasts.	Kvda — Debris avalanche deposit. Kvt-m — Marine tuff turbidites with dominantly mafic to intermediate clasts.	Kvdf-m — Volcanic debris flow deposits with dominantly mafic to intermediate clasts.

Kvdf-m — Similar to Kvf-m, but with interstratified debris flow deposits.

BIOGENIC ROCKS
- Rudist Biohermal Limestone (Aptian-Albian)
- KL — Thick layers
- Thin layers

PLUTONIC ROCKS

PLUTONIC ROCKS (Kp)

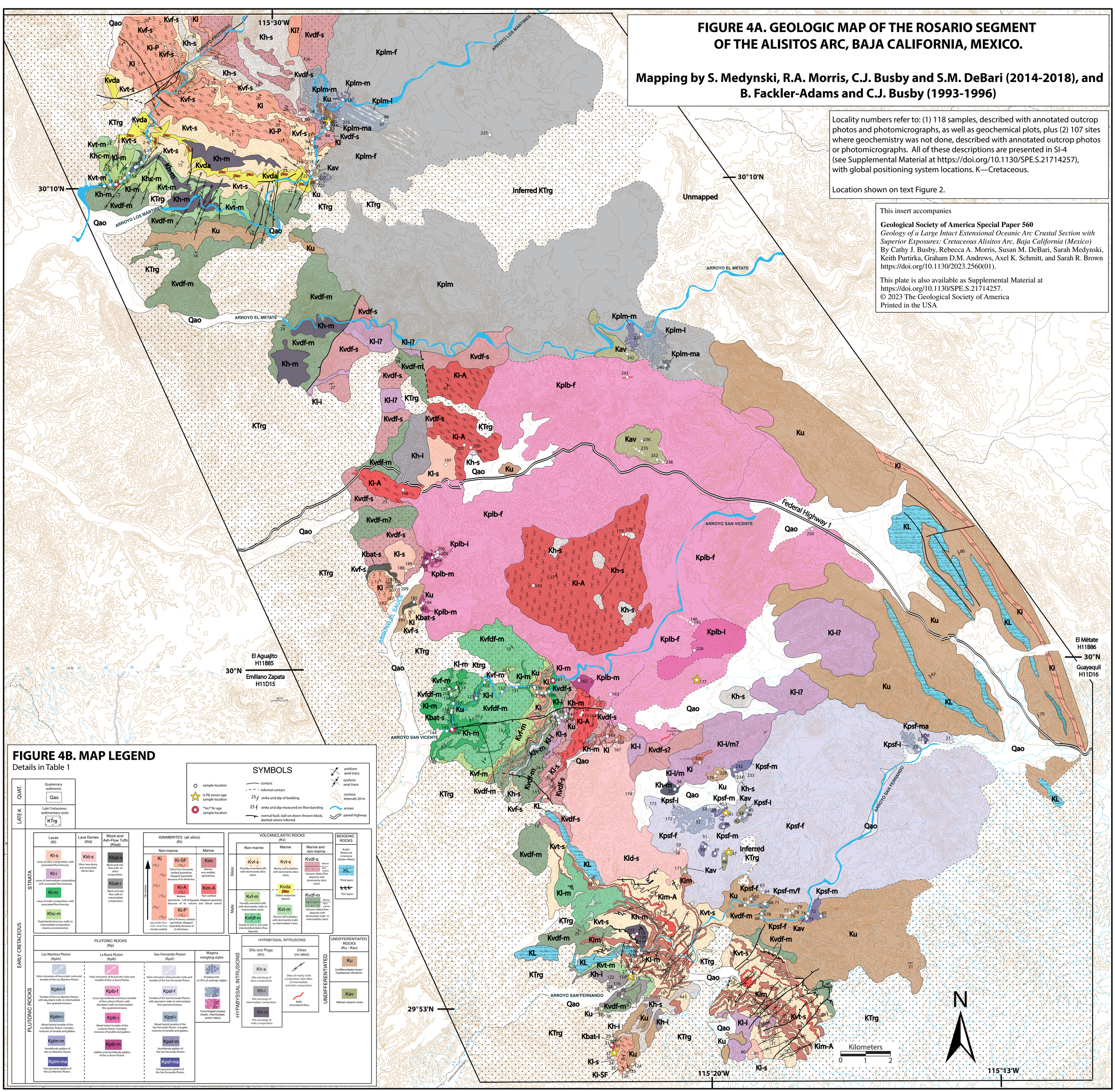
Los Martires Pluton (Kplm)	La Burra Pluton (Kplb)	San Fernando Pluton (Kpsf)
Felsic intrusions of leucocratic rocks and tonalite of the Los Martires Pluton.	Felsic intrusions of leucocratic rocks and tonalite of the La Burra Pluton.	Felsic intrusions of leucocratic rocks and tonalite of the San Fernando Pluton.
Kplm-f — Tonalite of the Los Martires Pluton, with abundant mafic to intermediate fine-grained enclaves.	Kplb-f — Leuco-granodiorite and leuco-tonalite of the La Burra Pluton, with abundant mafic to intermediate fine-grained enclaves.	Kpsf-f — Tonalite of the San Fernando Pluton, with abundant mafic to intermediate fine-grained enclaves.
Kplm-i — Mixed hybrid tonalite of the Los Martires Pluton. Complex mixtures of tonalite and gabbro.	Kplb-i — Mixed hybrid tonalite of the La Burra Pluton. Complex mixtures of tonalite and gabbro.	Kpsf-i — Mixed hybrid tonalite of the San Fernando Pluton. Complex mixtures of tonalite and gabbro.
Kplm-m — Hornblende gabbro of the Los Martires Pluton.	Kplb-m — Gabbro and hornblende gabbro of the La Burra Pluton.	Kpsf-m — Hornblende gabbro of the San Fernando Pluton.
Kplm-ma — Two-pyroxene gabbro of the Los Martires Pluton.		Kpsf-ma — Two-pyroxene gabbro of the San Fernando Pluton.

Magma mingling styles
- Enclave-rich (>15% of outcrop) region
- Commingled phases (mafic, intermediate, and/or felsic).

HYPABYSSAL INTRUSIONS

HYPABYSSAL INTRUSIONS

Sills and Plugs (Kh)	Dikes (no label)
Kh-s — Sills and plugs of silicic composition.	Dikes of mainly mafic composition. Rare dikes of intermediate and silicic composition.
Kh-i — Sills and plugs of intermediate composition.	Mafic mineralized dikes.
Kh-m — Sills and plugs of mafic composition.	

UNDIFFERENTIATED

UNDIFFERENTIATED ROCKS (Ku - Kav)
- Ku — Undifferentiated lavas / hypabyssal intrusions.
- Kav — Altered volcanic rocks.