DR-3

UNITS IN APLODONTIA AND SPRINGBOARD TRENCHES

Unit 8—Silty pebbly sand (modern soil horizons developed on root-stirred sediment; late Holocene)
- 8AO **8AO**—Massive organic-rich silty pebbly sand with abundant roots and forest duff (A, O, and possible degraded E soil horizons)
- 8B **8B**—Massive silty pebbly sand, with very weak coarse platy to subangular blocky soil structure (discontinuous structural B horizon)
- 8a **8a**—Massive silty pebbly sand (root-stirred remnants of older A, B, BC, C, and E(?) soil horizons)

7 **Unit 7**—Massive, unsorted, root-stirred, gravelly and silty fine to medium sand (fault-scarp colluvium, late Holocene) *only found in Springboard trench*

Unit 6—Massive to crudely bedded, gravelly, sandy silt and silty sand (glacial till and subglacial fluvial, late Pleistocene)
- 6c **6c**—Massive, unsorted, pebbly and cobbly silty fine sand, and fine sandy silt (weathered till)
- 6c/Bb **6c/Bb**—Massive, pebbly fine sandy silt with abundant charcoal; reddened to 7.5YR hues (burried B horizon in unit 5b) *only found in Springboard trench*
- 6b **6b**—Massive, unsorted, pebbly and cobbly silty fine sand and fine sandy silt (weathered till). In unit 5a of *Aplodontia trench only*, unit 6b is a large lens of crudely bedded to cross-bedded medium sandy pebble and minor cobble gravel (subglacial fluvial)
- 6a **6a**—Massive, unsorted, pebbly and cobbly silty fine sand, and fine sandy

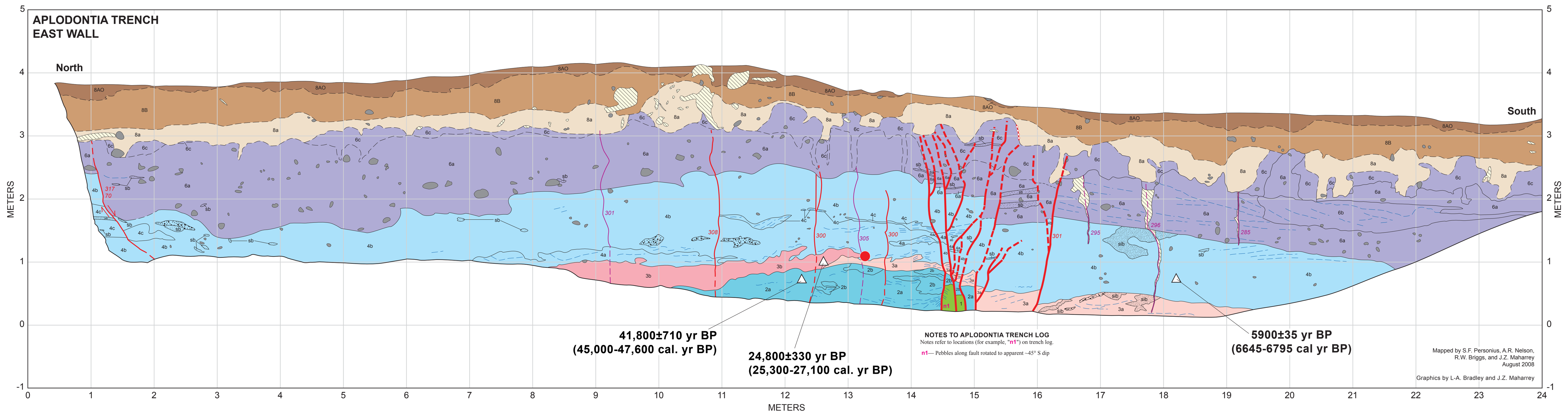
Unit 5—Fine to coarse sandy gravel (subglacial or proglacial fluvial deposit; late Pleistocene) *only found in Springboard trench*
- 5b **5b**—Massive, poorly sorted, medium to very coarse sandy pebble and minor cobble gravel
- 5a **5a**—Massive, very poorly sorted, fine sandy and silty pebble and minor cobble grave silt (till)

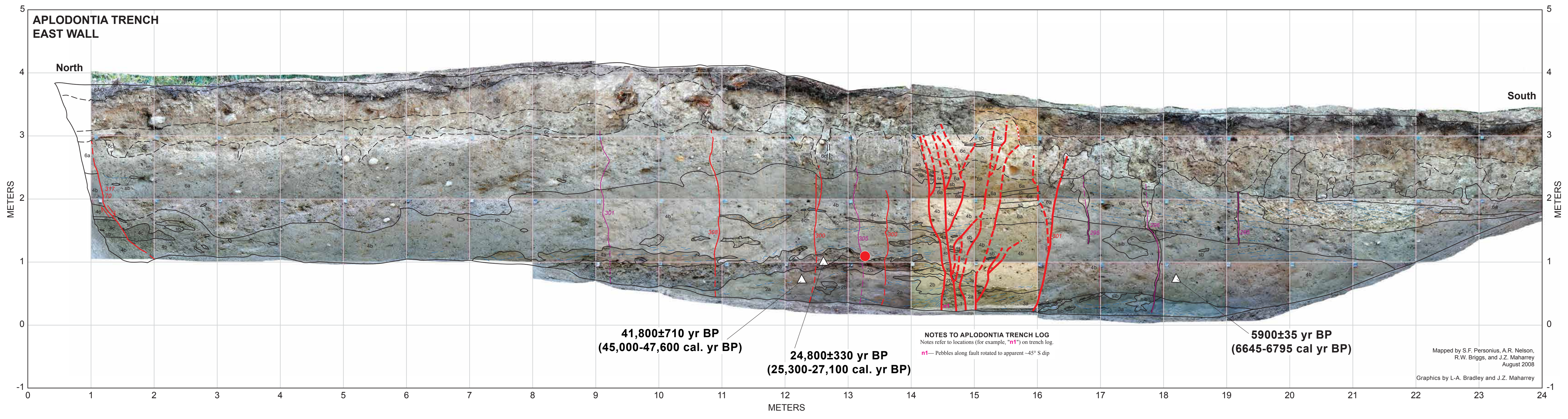
Unit 4—Massive to moderately bedded, well-sorted medium sand, silty sand, fine sandy silt and silt (subglacial or proglacial lacustrine and fluvial deposits; late Pleistocene)
- 4c **4c**—Moderately bedded, moderately sorted, medium to very coarse sand lenses in unit 4b
- 4b **4b**—Massive fine sandy silt and silty sand
- 4a **4a**—Well to crudely bedded, well sorted fine to medium sand

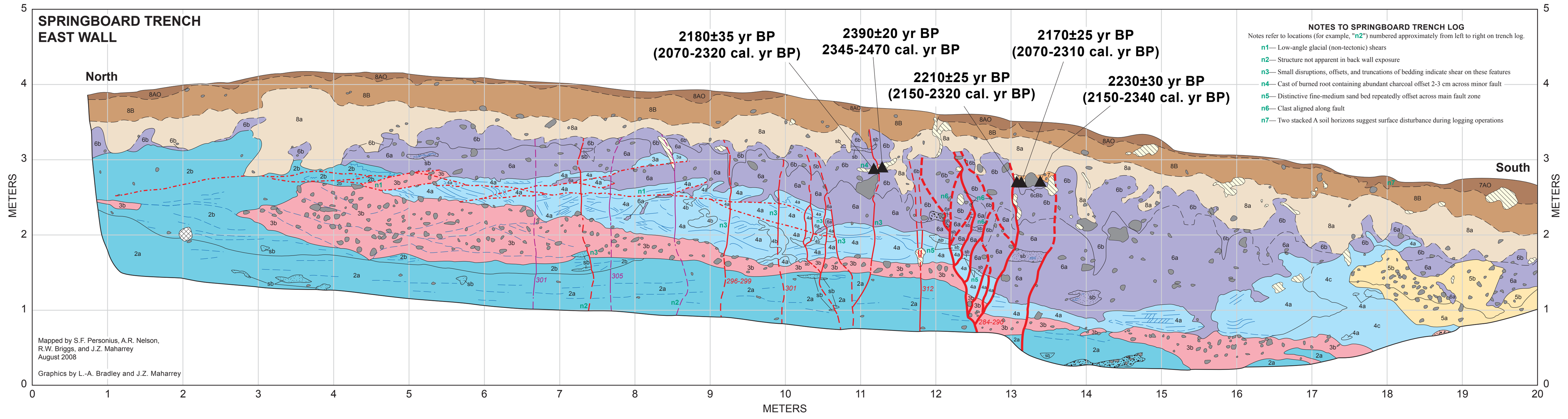
Unit 3—Massive to crudely bedded, poorly sorted, matrix-supported fine to coarse sandy pebble and minor cobble gravel, deformed by low-angle glacial shearing (subglacial or proglacial fluvial deposit; late Pleistocene) Iron-stained sand and sandy gravel *only found in Aplodontia trench*
- 3b **3b**—Massive, iron stained, medium to very coarse sandy pebble and minor cobble gravel
- 3a **3a**—Massive to crudely bedded, iron-stained, medium to very coarse sand

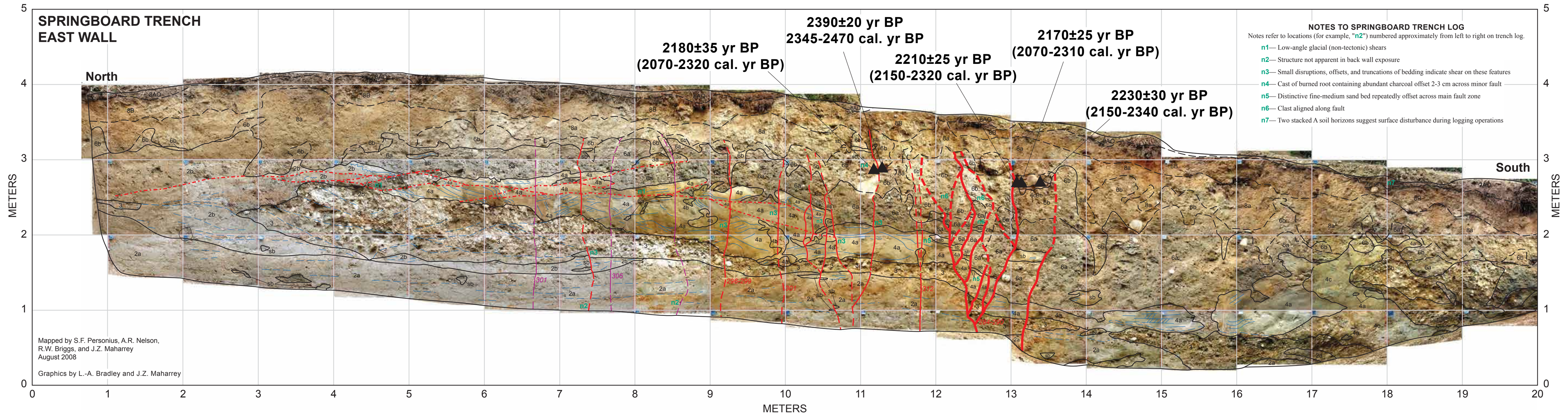
Unit 2—Interbedded sand and silt (subglacial or proglacial lacustrine or fluvial deposits; late Pleistocene)
- 2b **2b**—Massive, gray, fine to medium sand
- 2a **2a**—Thinly bedded silt and fine sand

1 **Unit 1**—Massive, poorly sorted, matrix-supported medium to coarse sandy pebble gravel (subglacial or proglacial fluvial deposit; late Pleistocene) *only found in Aplodontia trench*









SYMBOLS IN APLODONTIA, SPRINGBOARD, AND BOUNDARY TRENCHES

Faults
- Primary fault, dashed where indistinct
- Secondary fault, dashed where indistinct
- Inferred glacial shear plane
- 106 Strike (0-360) of fault

Fractures (no evidence of shearing or displacement)
- Distinct fracture, dashed where indistinct
- 106 Strike (0-360) of fracture

Note: All fault and fracture attitudes based on correlation of structures projected 1.5-2 m across trench floor to back wall exposures, except where noted

Contacts
- Sharp or distinct
- Gradual and/or indistinct
- Inferred

Intra-unit bedding, lamination, or structures
- Sharp or distinct
- sib Small area of silty sediment within unit
- sb Small area of sandy sediment within unit
- Small area of gravelly sediment within unit

Symbols
- Shear zone
- Large roots, wood, or charcoal, and areas disturbed by modern roots
- Selected gravel, cobbles and boulders
- Infilled animal burrow: krotovina
- Piercing point (refer to text)
- Radiocarbon sample location, calibrated radiocarbon age in parentheses (white triangle is projected location from west wall)

EXPLANATION OF UNITS IN BOUNDARY TRENCH

Unit 8—Silty pebbly sand and gravel (modern soil horizons developed on root-stirred sediment; late Holocene)
- 8AO **8AO**—Organic-rich silty pebbly sand with abundant roots and forest duff (A and O soil horizons)
- 8BC **8BC**—Silty pebbly sand to sand, mostly massive with some minor zones of very weak coarse subangular blocky soil structure (mixture of C, Cox, BC, B, and rare A and E(?) soil horizons)
- 8a **8a**—Massive to crudely bedded pebbly silty sand to sandy gravel (root-stirred sediment)

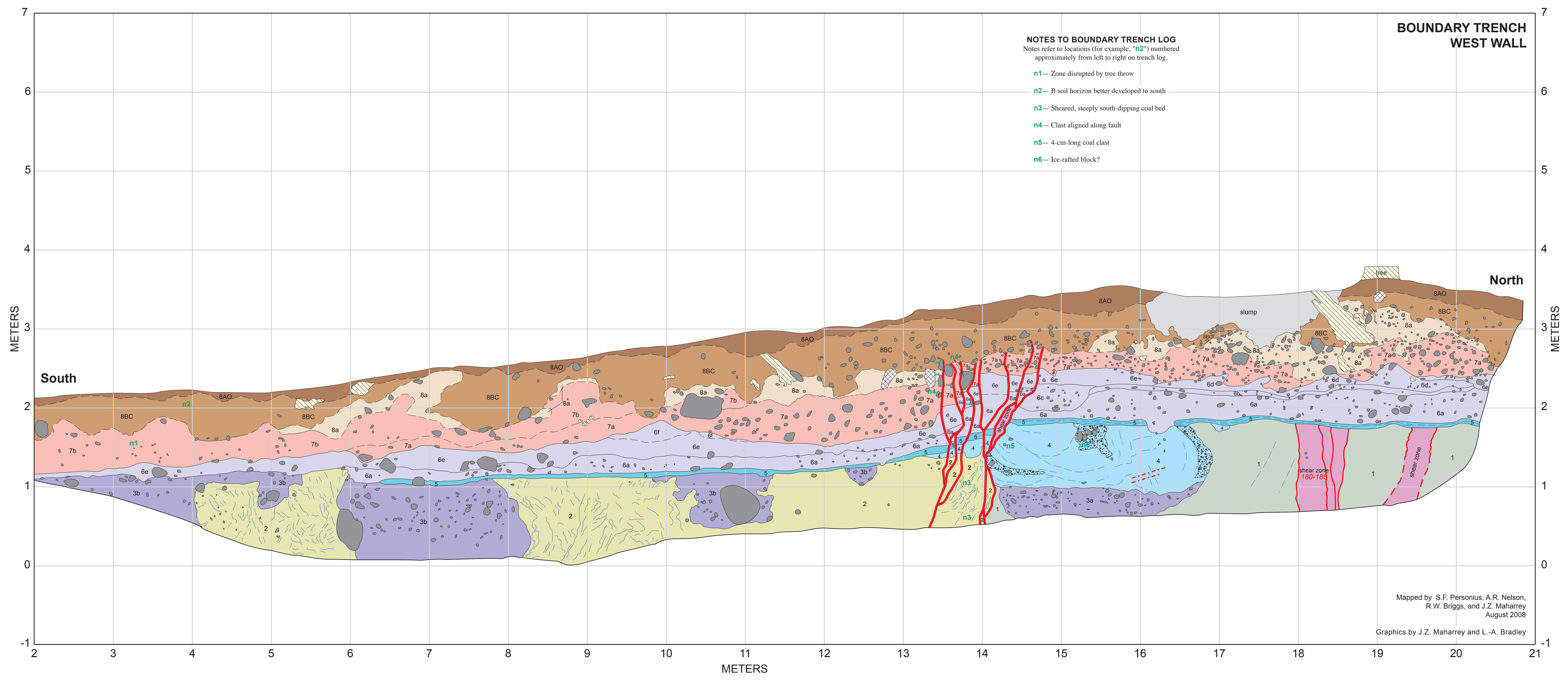
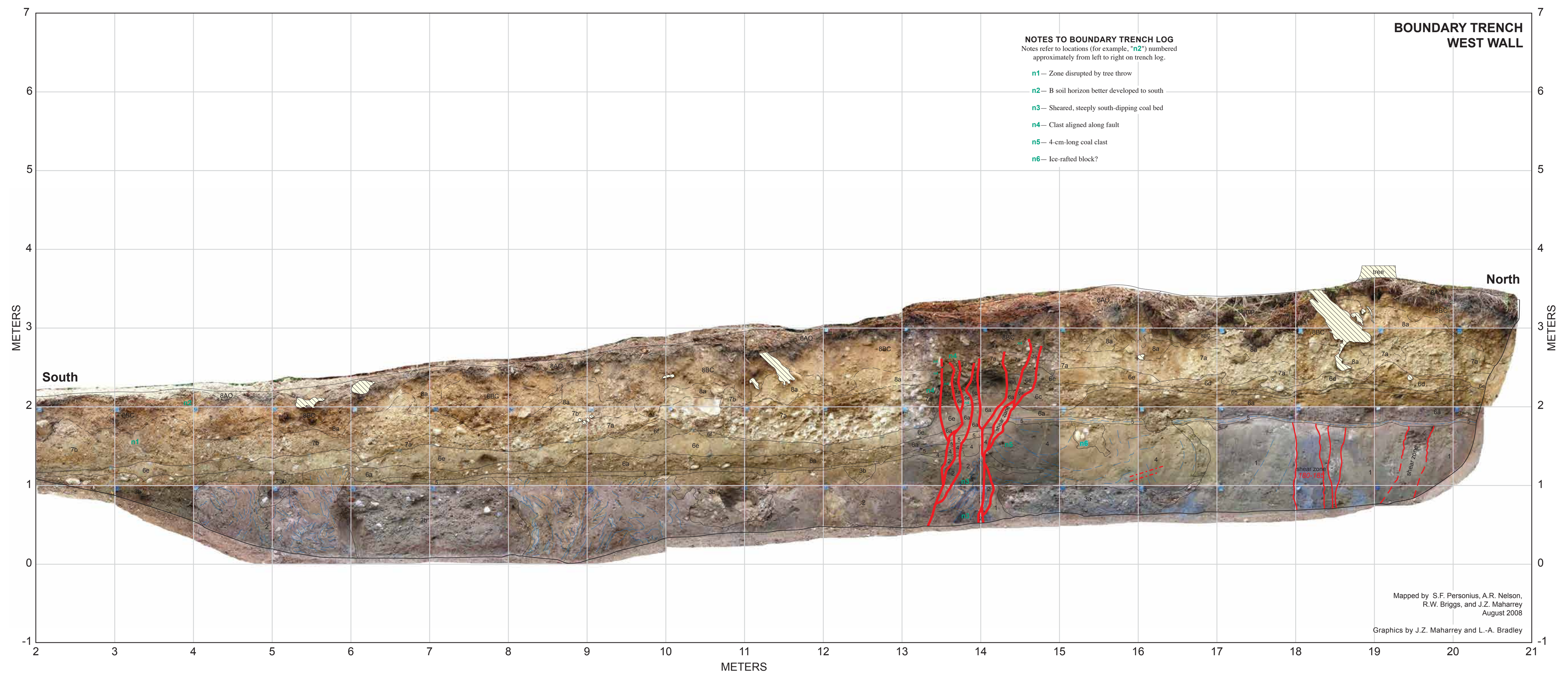
Unit 7—Massive to weakly bedded sandy pebble gravel (glaciofluvial channel deposits, late Pleistocene)
- 7b **7b**—Massive coarse sandy silty pebble gravel (glaciofluvial)
- 7a **7a**—Weakly bedded sandy pebble gravel (glaciofluvial)

Unit 6—Massive to crudely bedded gravelly silt and sand (glaciofluvial and till deposits, late Pleistocene)
- 6f **6f**—Crudely bedded, pebbly fine to medium sand (glaciofluvial)
- 6e **6e**—Crudely bedded, pebbly fine sandy silt (glaciofluvial)
- 6d **6d**—Massive, unsorted, pebbly and cobbly silty fine sand and sandy silt (till)
- 6c **6c**—Massive, pebbly silty fine to medium sand (glaciofluvial channel)
- 6b **6b**—Crudely bedded, pebbly fine sandy silt (glaciofluvial)
- 6a **6a**—Massive, unsorted, pebbly and cobbly silty fine sand (till)

5 **Unit 5**—Well-bedded, pebbly silt to fine sand (proglacial lacustrine(?) or fluvial deposit, late Pleistocene)

4 **Unit 4**—Well-bedded, well-sorted, pebbly fine sand and silt; deposited in channel cut into underlying bedrock (proglacial lacustrine deposit; late Pleistocene)

Unit 3—Massive gravelly silty sand and sandy silt; deposited in channels cut into underlying bedrock (glacial till, late Pleistocene)
- 3b **3b**—Massive, unsorted, pebbly, cobbly, and bouldery silty fine sand and fine sandy silt
- 3a **3a**—Massive, unsorted, pebbly and cobbly silty fine sand and fine sandy silt

2 **Unit 2**—Interbedded sandstone, pebbly sandstone, carbonaceous shale, and coal; highly sheared, with convoluted bedding and abundant clayey gouge zones (Eocene?)

1 **Unit 1**—Interbedded fine-medium sandstone, pebbly sandstone, carbonaceous shale; highly weathered (Rocks of Bulson Creek (Oligocene-Eocene) or Chuckanut Formation (Eocene)