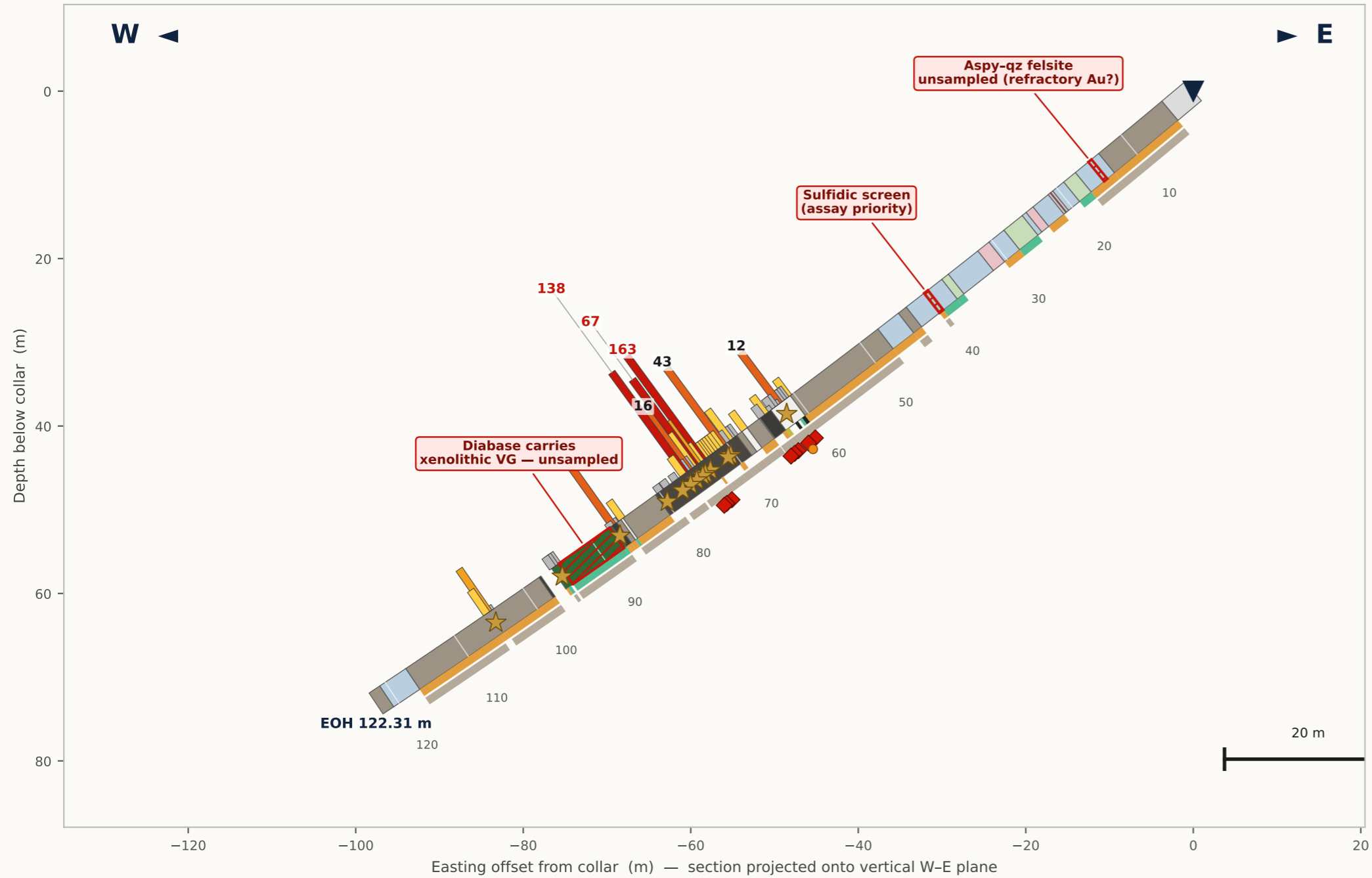


DDH 07

Collar 572080E / 7078189N · Az 275° · Dip -40°→-34° · EOH 122.31 m
 Fox Lake, NWT · BNTGold Resources Ltd. · 1959 log re-interpreted

DDH-07 · Fox_59_07 — geological cross-section (W ► E)



LITHOLOGY

- Casing / overburden
- Biotite schist (cordierite metapelite)
- Black siliceous schist / wallrock (graphitic host)
- Main ore zone (schist + Gen-2 qz)
- Felsite ("aplite" / acid dyke) — Stubbley 2016
- Quartz vein (master)
- Pegmatite (pink / two-mica)
- Pegmatite (amazonite / muscovite)
- Diabase (Mackenzie, post-ore)

ALTERATION

- Sericite / green (Au halo)
- Graphite (reductant)
- Epidote / Ca (Type-2)
- Silicification

MINERALIZATION & GOLD

- Visible gold (VG)
- Galena (gn) — bonanza predictor
- Chalcopyrite (ccp) — Type-2 mixing
- Sulfide present (apy·py·po background)

Au ASSAY (g/t = oz/short-ton × 34.286)

- trace / <1 g/t
- 1-5 g/t
- 5-10 g/t
- 10-50 g/t
- ≥50 (bonanza) g/t

bar length ∝ log grade · projects to NE (hanging-wall) side

- Prospective interval — SAMPLING GAP

INTERPRETATION

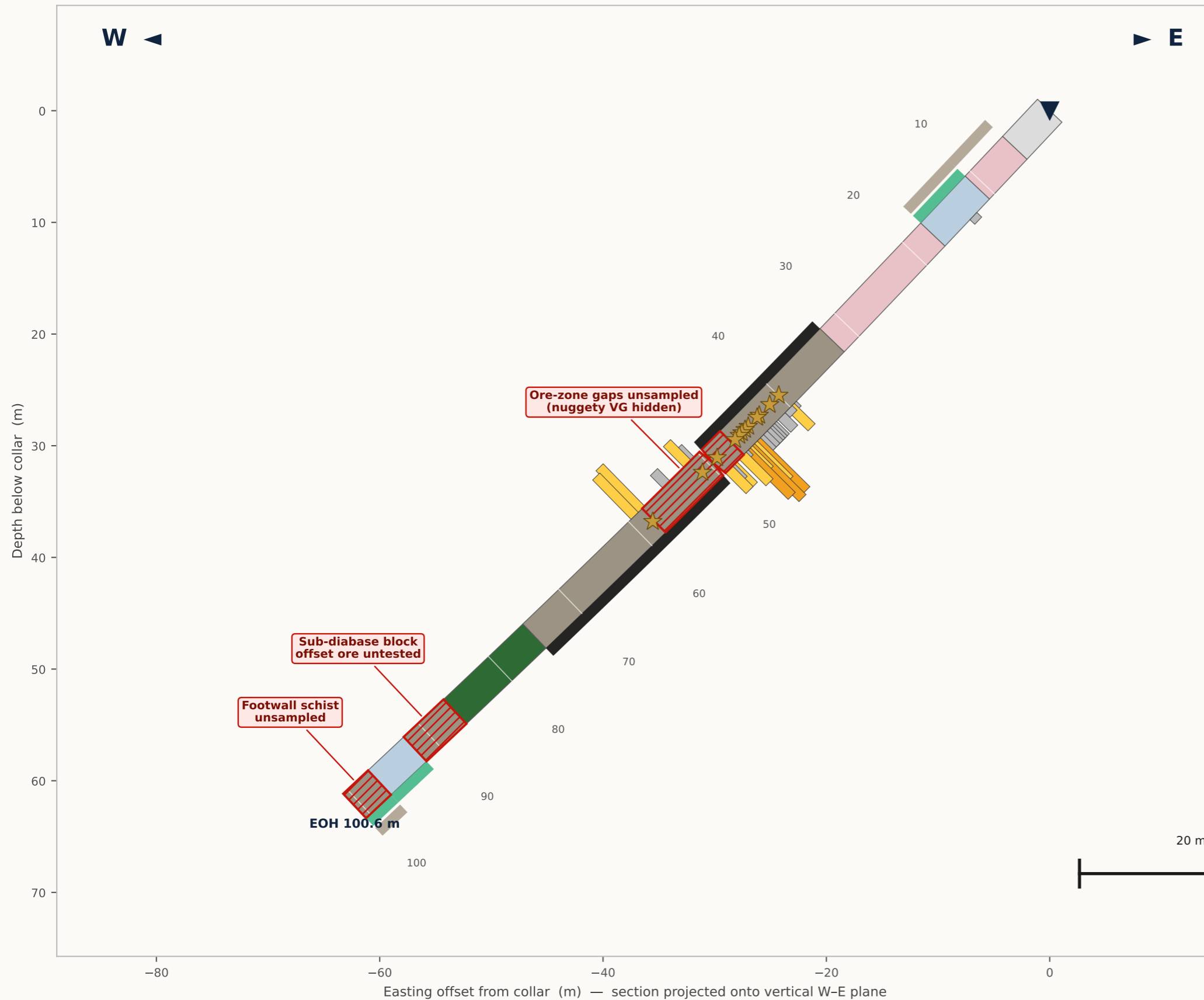
- ▶ Orogenic Au in cordierite-metapelite; gold post-dates D2 (retrograde).
- ▶ Main ore zone 68–80.6 m: bonanzas to 163 / 138 / 67 g/t in Gen-2b grey-qz stringers.
- ▶ Grade controlled by GALENA (Type 1+2 mixing), NOT arsenopyrite (As–Au decoupled).
- ▶ Mackenzie diabase (87–95 m) post-dates & OFFSETS ore; carries xenolithic VG.
- ▶ Ore RESUMES on diabase footwall (97–105 m) — low grade at this intercept.
- ▶ ACTION: screen-metallic re-assay coarse-VG bonanzas; step out ~70°E along L2 plunge.

Historic uncertified 1959 assays; coarse-VG intervals nugget-prone→ screen-metallic / PhotonAssay re-assay. Section projected onto a vertical W-E plane; holes oblique to E-W are horizontally foreshortened (vertical scale is true). Geological interpretation by Claude (Anthropic), Jun 2026— not a substitute for QP sign-off.

DDH-08 · Fox_59_008 — geological cross-section (W ► E)

DDH 08

Collar 572072E / 7078198N · Az 308° · Dip -40°→-36° · EOH 100.6 m
 Fox Lake, NWT · BNTGold Resources Ltd. · 1959 log re-interpreted



LITHOLOGY

- Casing / overburden
- Biotite schist (cordierite metapelite)
- Felsite ("aplite" / acid dyke) — Stubbley 2016
- Pegmatite (pink / two-mica)
- Diabase (Mackenzie, post-ore)

ALTERATION

- Sericite / green (Au halo)
- Chlorite
- Graphite (reductant)
- Silicification

MINERALIZATION & GOLD

- Visible gold (VG)
- Galena (gn) — bonanza predictor
- Chalcopryite (ccp) — Type-2 mixing
- Sulfide present (apy·py·po background)

Au ASSAY (g/t = oz/short-ton × 34.286)

- trace / <1 g/t
- 1-5 g/t
- 5-10 g/t
- 10-50 g/t
- ≥50 (bonanza) g/t

bar length ∝ log grade · projects to NE (hanging-wall) side

- Prospective interval — SAMPLING GAP

INTERPRETATION

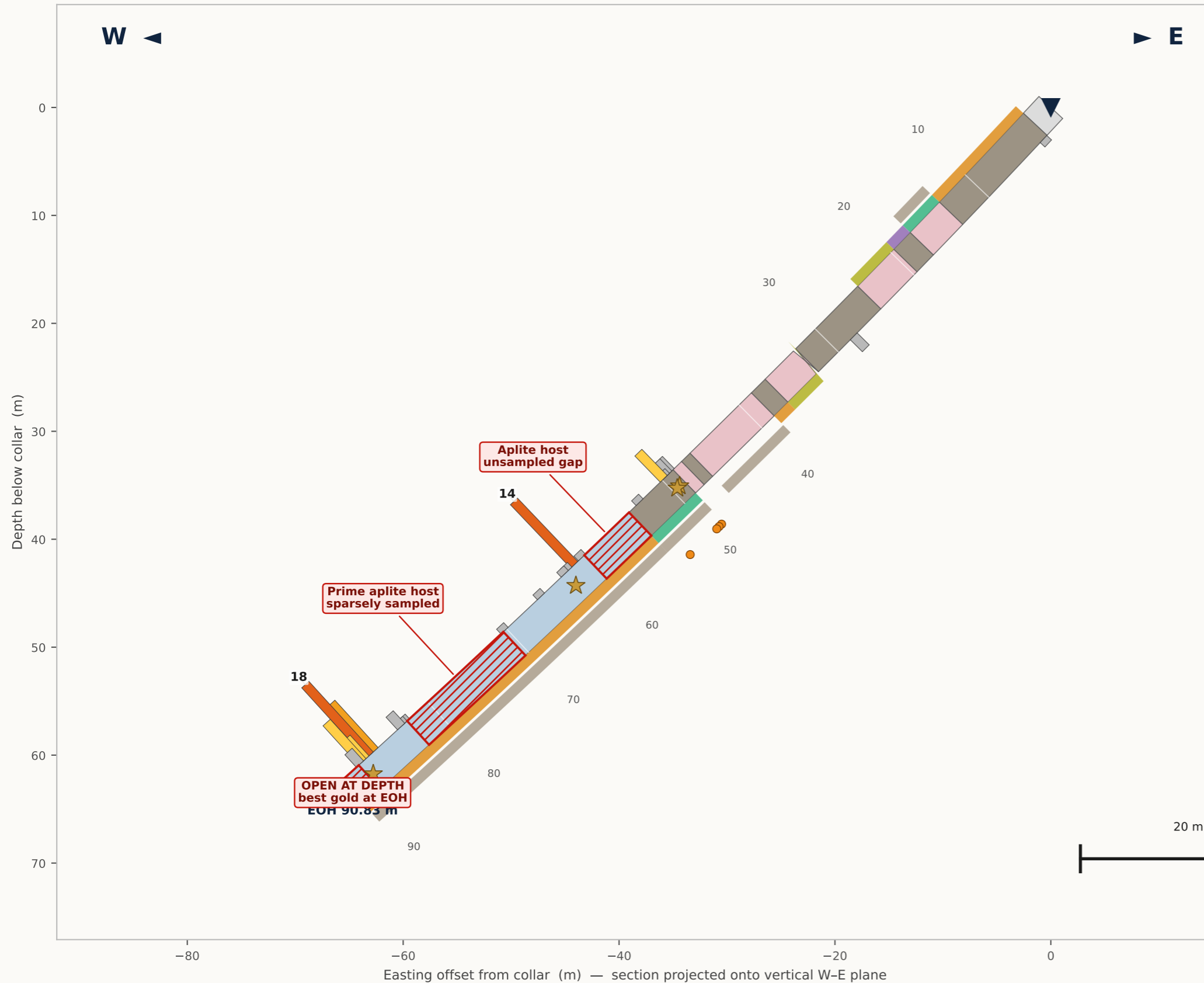
- ▶ Cuts MAIN schist-hosted orogenic Au zone ~39.5–59.3 m: VG-bearing Gen-2b grey-qz in graphitic schist.
- ▶ ~2.0 g/t / 8.6 m sampled; high-grade core 4.9 g/t / 1.8 m (44.65–46.48); peak 7.54 g/t (s.761).
- ▶ Good grade achieved WITHOUT a Type-2 galena trigger — sulfidation / graphite reduction.
- ▶ Mackenzie diabase 75.1–86.4 m (chilled, xenolithic) cuts & OFFSETS the deposit.
- ▶ Below diabase: schist + acid dyke, trace only (774) — offset continuation untested.
- ▶ ACTION: metallic-screen VG intervals; re-sample ore-zone gaps; sample sub-diabase block.

Historic uncertified 1959 assays; coarse-VG intervals nugget-prone→ screen-metallic / PhotonAssay re-assay. Section projected onto a vertical W-E plane; holes oblique to E-W are horizontally foreshortened (vertical scale is true). Geological interpretation by Claude (Anthropic), Jun 2026— not a substitute for QP sign-off.

DDH-13 · Fox_59_13 — geological cross-section (W ► E)

DDH 13

Collar 572121E / 7078177N · Az 275° · Dip -47°→-42° · EOH 90.83 m
 Fox Lake, NWT · BNTGold Resources Ltd. · 1959 log re-interpreted



LITHOLOGY

- Casing / overburden
- Biotite schist (cordierite metapelite)
- Felsite ("aplite" / acid dyke) — Stubbley 2016
- Pegmatite (pink / two-mica)

ALTERATION

- Sericite / green (Au halo)
- Epidote / Ca (Type-2)
- Silicification
- Muscovite (peg selvage)

MINERALIZATION & GOLD

- Visible gold (VG)
- Galena (gn) — bonanza predictor
- Chalcopyrite (ccp) — Type-2 mixing
- Sulfide present (apy·py·po background)

Au ASSAY (g/t = oz/short-ton × 34.286)

- trace / <1 g/t
- 1-5 g/t
- 5-10 g/t
- 10-50 g/t
- ≥50 (bonanza) g/t

bar length ∝ log grade · projects to NE (hanging-wall) side

- Prospective interval — SAMPLING GAP

INTERPRETATION

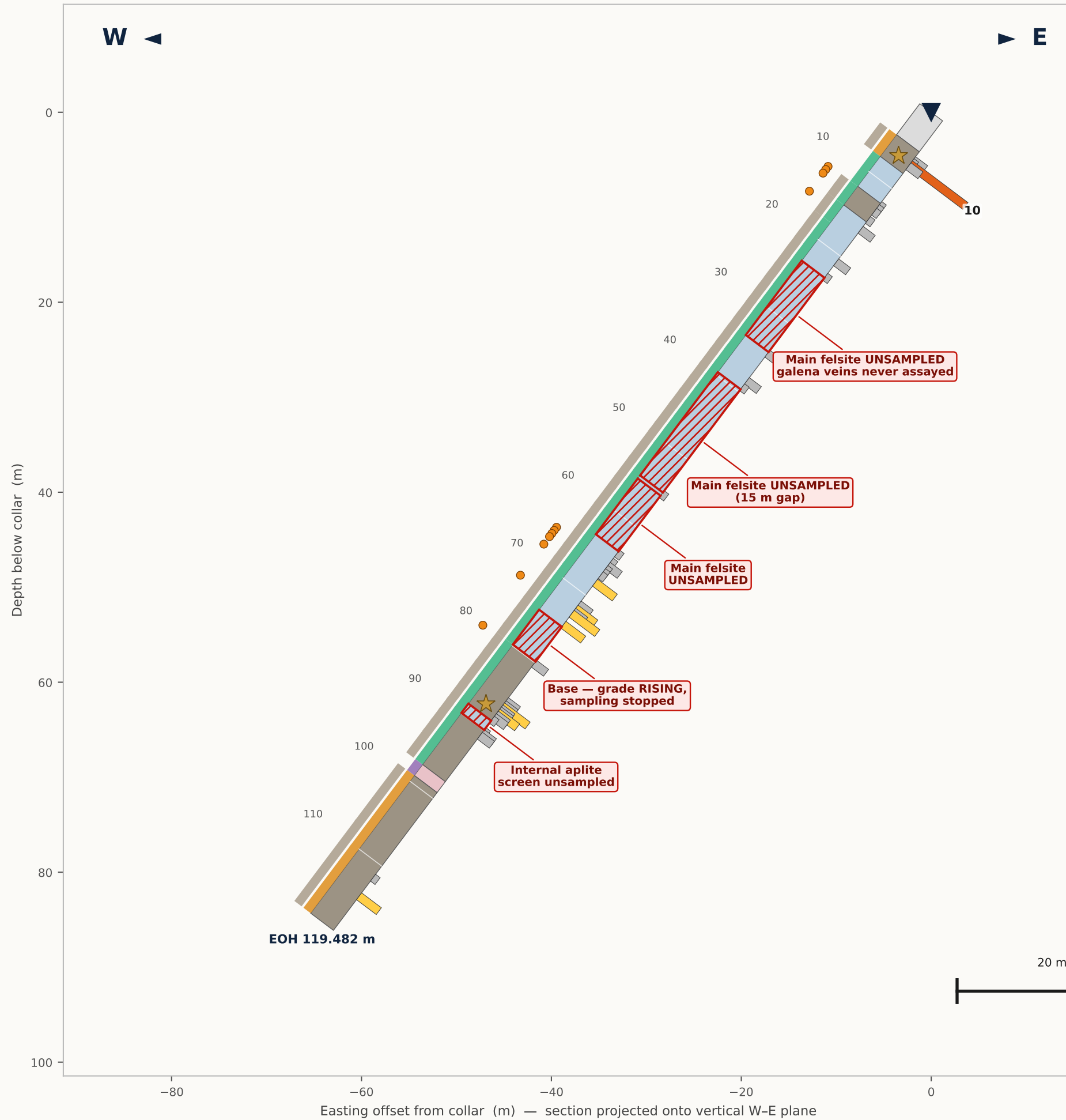
- ▶ Comagmatic felsite-pegmatite swarm (Peg #1-#5) in biotite schist; common, NOT fertile LCT.
- ▶ PRIME HOST = competent apsite 54.3-90.8 m (brittle-fracture permeability).
- ▶ Best intercept 86.41-88.70 m: 7.30 g/t / 2.29 m incl. 0.61 m @ 17.83 g/t — OPEN AT DEPTH.
- ▶ Isolated 13.71 g/t spike @61.1 m (no VG) = candidate shoot intersection — check-assay.
- ▶ First chalcopyrite + VG @48.6-54.3 m = two-fluid mixing signature (cf. DDH-04).
- ▶ ACTION: DEEPEN (gold open at depth); Bi-Te-W-Mo + Ag suite (RIRGS vs orogenic test).

Historic uncertified 1959 assays; coarse-VG intervals nugget-prone→ screen-metallic / PhotonAssay re-assay. Section projected onto a vertical W-E plane; holes oblique to E-W are horizontally foreshortened (vertical scale is true). Geological interpretation by Claude (Anthropic), Jun 2026— not a substitute for QP sign-off.

DDH-14 · Fox_59_014 — geological cross-section (W ► E)

DDH 14

Collar 572168E / 7078291N · Az 310° · Dip -46°→-46° · EOH 119.482 m
Fox Lake, NWT · BNTGold Resources Ltd. · 1959 log re-interpreted



LITHOLOGY

- Casing / overburden
- Biotite schist (cordierite metapelite)
- Felsite ("aplite" / acid dyke) — Stubbley 2016
- Pegmatite (pink / two-mica)

ALTERATION

- Sericite / green (Au halo)
- Chlorite
- Graphite (reductant)
- Silicification
- Muscovite (peg selvage)

MINERALIZATION & GOLD

- Visible gold (VG)
- Galena (gn) — bonanza predictor
- Chalcopyrite (ccp) — Type-2 mixing
- Sulfide present (apy·py·po background)

Au ASSAY (g/t = oz/short-ton × 34.286)

- trace / <1 g/t
- 1-5 g/t
- 5-10 g/t
- 10-50 g/t
- ≥50 (bonanza) g/t

bar length ∝ log grade · projects to NE (hanging-wall) side

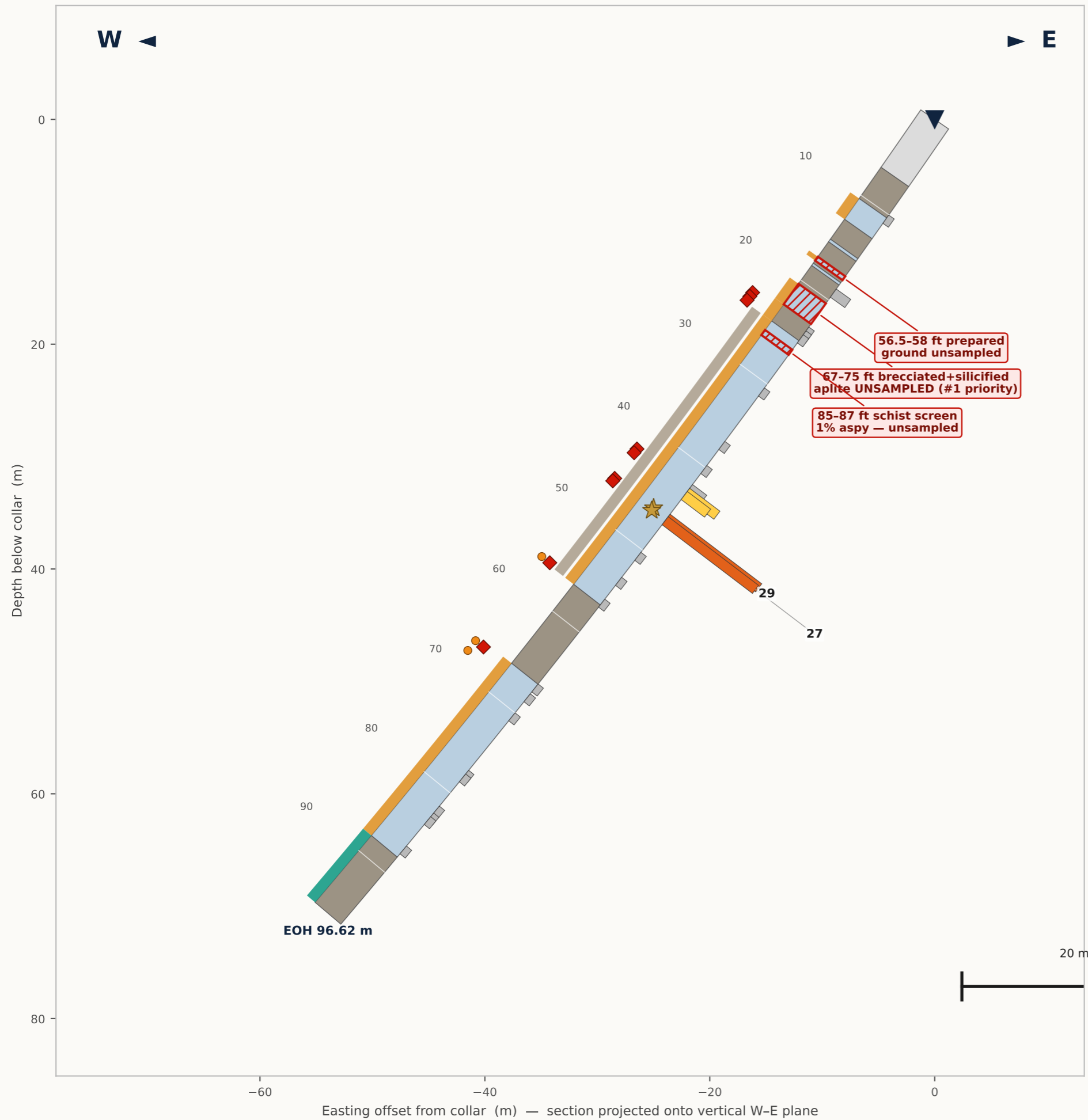
Prospective interval — SAMPLING GAP

INTERPRETATION

- ▶ THE BONANZA TEST WAS NEVER RUN: only ~15% of the hole sampled; NO galena vein ever assayed.
- ▶ One free-gold spike 10.3 g/t @6.4 m (s.864) at upper felsite contact; else Type-1 background ≤2 g/t.
- ▶ Main felsite 17.5–79.8 m hosts galena (bonanza predictor) + chalcopyrite — only ~13% sampled.
- ▶ Galena > arsenopyrite confirmed by the negative: As ~constant while grade swings 2 orders.
- ▶ No diabase: inclined hole's ~81 m vertical penetration fell ~16 m short of the ~97 m target.
- ▶ ACTION: RE-SAMPLE galena-bearing veins in the big felsite gaps — cheap bonanza test (<\$15K).

Historic uncertified 1959 assays; coarse-VG intervals nugget-prone→ screen-metallic / PhotonAssay re-assay. Section projected onto a vertical W-E plane; holes oblique to E-W are horizontally foreshortened (vertical scale is true). Geological interpretation by Claude (Anthropic), Jun 2026— not a substitute for QP sign-off.

ZENA G-4B · Fox Lake — Zena zone — geological cross-section (W ▶ E)



Zena G4B

Collar 4310N / 124.3E (Zena grid) · Az 305° (N55°W) · Dip -50°→-44° · EOH 96.62 m (317 ft)
 Fox Lake, NWT · BNTGold Resources Ltd. · 1959 log re-interpreted

LITHOLOGY

- Casing / overburden
- Biotite schist (cordierite metapelite)
- Felsite ("aplite" / acid dyke) — Stubley 2016

ALTERATION

- Chlorite
- Silicification

MINERALIZATION & GOLD

- Visible gold (VG)
- Galena (gn) — bonanza predictor
- Chalcopyrite (ccp) — Type-2 mixing
- Sulfide present (apy·py·po background)

Au ASSAY (g/t = oz/short-ton × 34.286)

- trace / <1 g/t
- 1-5 g/t
- 5-10 g/t
- 10-50 g/t
- ≥50 (bonanza) g/t

bar length ∝ log grade · projects to NE (hanging-wall) side

- Prospective interval — SAMPLING GAP

INTERPRETATION

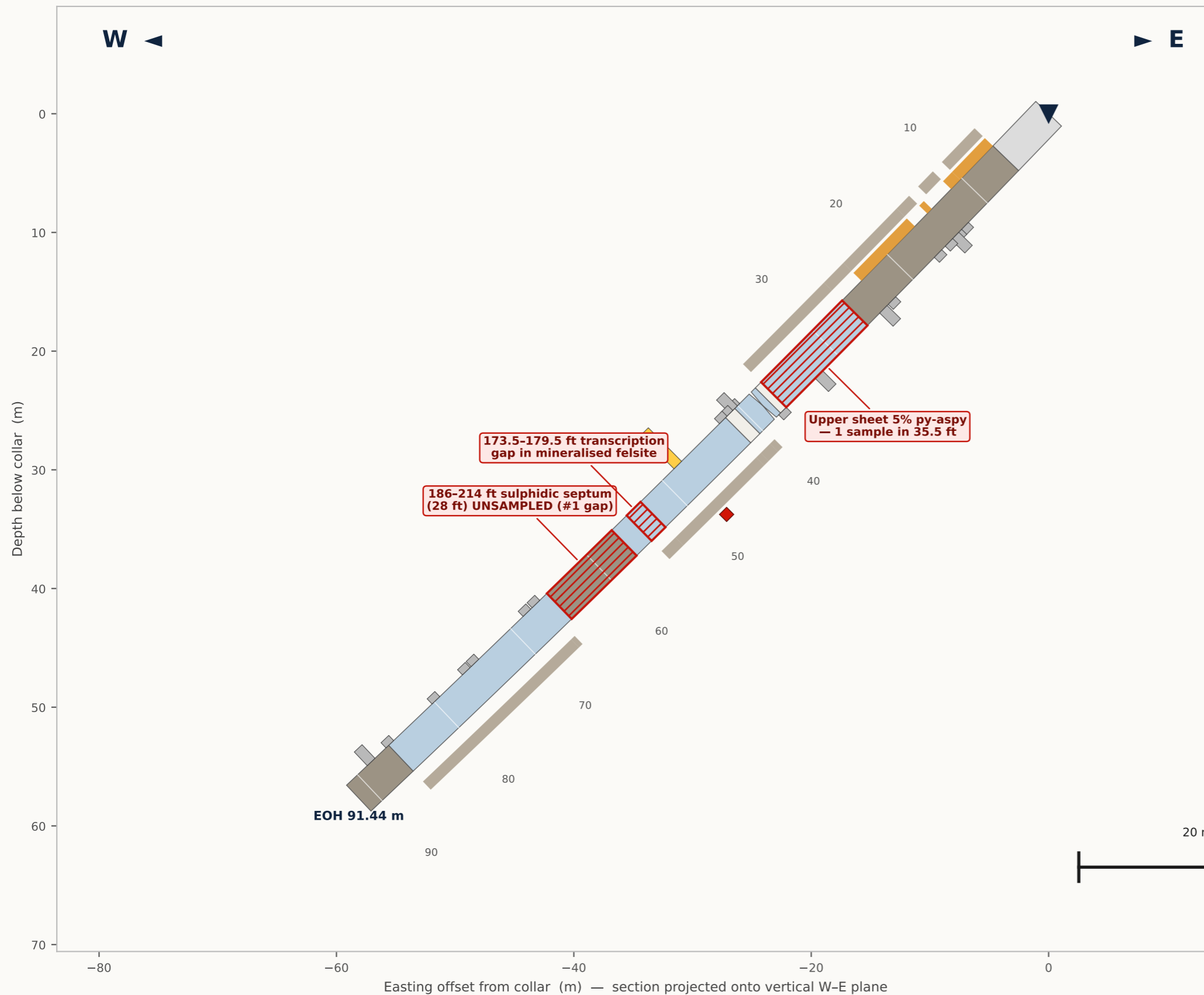
- ▶ Composite multi-injection felsite: sheeted margin → upper sheet (31.9 m) → schist septum → lower sheet (21.6 m) → FW schist.
- ▶ Single ore zone 150.8-152.8 ft: 2 ft @ ~28.1 g/t Au + VG, galena+sphalerite+aspy-py-po (mixing) — TVD ~34 m = Fox bonanza level.
- ▶ Halo 138.8-142.8 ft @ 0.7-2.1 g/t with trace galena; grade lifts exactly where galena appears.
- ▶ Two-fluid rule holds: no galena→trace; trace galena→0.7-2 g/t; full mixed assemblage→28 g/t.
- ▶ Ladder/rung geometry — productive veins core-parallel to -50°/N55°W hole; 1959 fan missed the productive set.
- ▶ Grade confined to upper (brecciated) sheet; lower sheet all trace (Type 1 only).
- ▶ ACTION: re-assay 67-75 ft prepared ground; confirm 472-473 in 43-101 Table 2; solve vein plane via G-5.

Historic uncertified 1959 assays; coarse-VG intervals nugget-prone→ screen-metallic / PhotonAssay re-assay. Section projected onto a vertical W-E plane; holes oblique to E-W are horizontally foreshortened (vertical scale is true). Geological interpretation by Claude (Anthropic), Jun 2026— not a substitute for QP sign-off.

ZENA G-5 · Fox Lake — Zena zone — geological cross-section (W ► E)

Zena G5

Collar 4360N / 139.0E (Zena grid) · Az 305° (N55°W) · Dip -40.5°→-37.7° · EOH 91.44 m (300 ft)
 Fox Lake, NWT · BNTGold Resources Ltd. · 1959 log re-interpreted



LITHOLOGY

- Casing / overburden
- Biotite schist (cordierite metapelite)
- Felsite ("aplite" / acid dyke) — Stubbley 2016
- Quartz vein (master)

ALTERATION

- Silicification

MINERALIZATION & GOLD

- Visible gold (VG)
- Galena (gn) — bonanza predictor
- Chalcopyrite (ccp) — Type-2 mixing
- Sulfide present (apy:py:po background)

Au ASSAY (g/t = oz/short-ton × 34.286)

- trace / <1 g/t
- 1-5 g/t
- 5-10 g/t
- 10-50 g/t
- ≥50 (bonanza) g/t

bar length ∝ log grade · projects to NE (hanging-wall) side

- Prospective interval — SAMPLING GAP

INTERPRETATION

- ▶ HW envelope (~30 ft silicified) → upper sheet (mixing host) → sulphidic septum → lower sheet (Type 1, barren) → FW leak.
- ▶ Galena pierce 156.3-158.3 ft (s.499): 5% galena yet only 2.74 g/t — top screen-metallic priority (suspected coarse-Au floor).
- ▶ Aspy-Au decoupling proven: 40-50% arsenopyrite (s.502) assays TRACE → free-milling gold, severe nugget effect.
- ▶ Corridor 3-point solve (G-1 24.2 / G-4B 28.1 / G-5 2.74 g/t): strike ~000° grid, DIP ~77° EAST.
- ▶ Fabric gradient G-1 75-80° → G-4B 60-70° → G-5 30° TCA = all on one limb; F2 hinge inferred just NORTH of G-5.
- ▶ Lower sheet barren in both G-4B and G-5: mixing operates at UPPER-sheet level corridor-wide.
- ▶ ACTION: re-assay galena vein + septum; hinge-corridor intersection N of G-5 = priority target.

Historic uncertified 1959 assays; coarse-VG intervals nugget-prone → screen-metallic / PhotonAssay re-assay. Section projected onto a vertical W-E plane; holes oblique to E-W are horizontally foreshortened (vertical scale is true). Geological interpretation by Claude (Anthropic), Jun 2026 — not a substitute for QP sign-off.