

# Plates

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**Plate 1.** (a) Recumbent folds in schist (highlighted by dashed line) belonging to the Klondike Assemblage (Yukon–Tanana Terrane) outcrop near the mouth of Bonanza Creek (view looking east). (b) Early Cretaceous, discordant mesothermal quartz vein (arrow) exposed at the Mitchell showing, which is located on a ridge north of King Solomon Dome (view looking north); ‘spectacular’ samples of free gold were reportedly found on the surface of this showing in the early days. (c) Klondike Plateau (view looking southeast from King Solomon Dome and downstream along Sulphur Creek). (d) Ogilvie Mountains (view looking north from King Solomon Dome). (e) Tor west of Dawson (view looking southeast from the Top-of-the-World Highway). (f) ‘Classic’ cirque preserved near the headwaters of Fifty Mile Creek (view looking east).



**Plate 2.** (a) Lithofacies Gh exposed at Jackson Gulch, Klondike River; the dark patch at lower left is bedrock (view looking south, shovel is approximately 1 m long). (b) Close-up of lithofacies Gh (scale is 0.07 m long). (c) Lithofacies Gmm exposed near the mouth of Allgold Creek (view looking north, height of exposure is approximately 3 m). (d) Close-up of lithofacies Gmm (length of mattock is 0.5 m). (e) Lithofacies Gp exposed at Jackson Gulch, Klondike River (view looking west, mattock is approximately 1 m long). (f) Close-up of lithofacies Gp (length of mattock is 0.05 m).



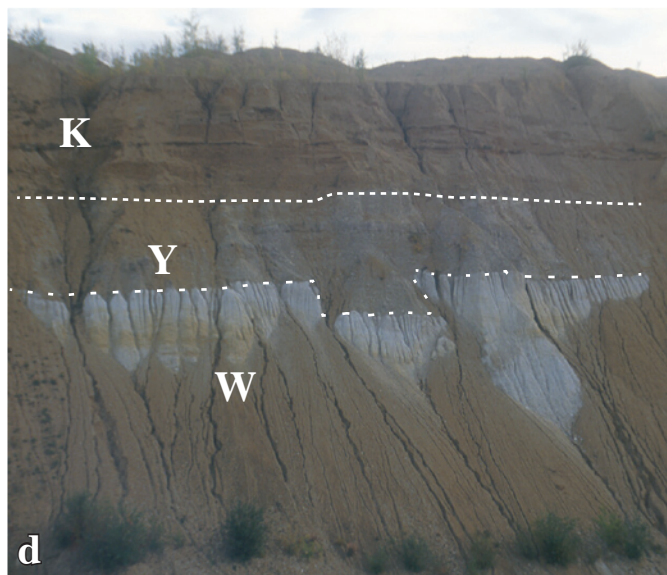
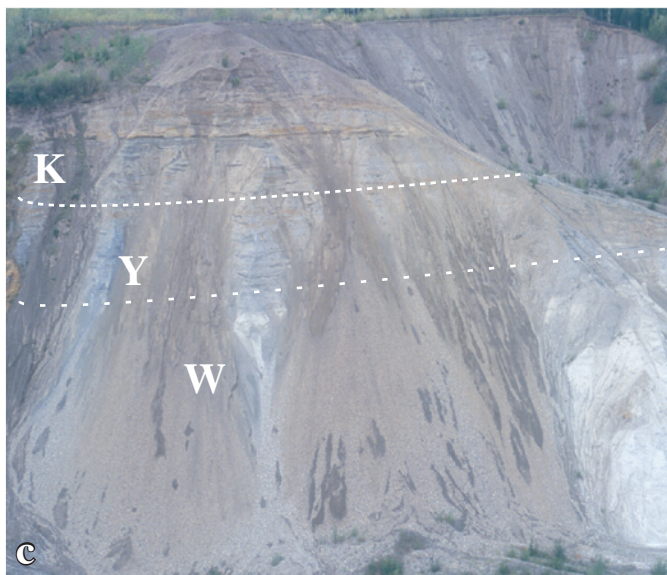
**Plate 3.** (a) Lithofacies Sh exposed at Jackson Gulch, Klondike River (view looking west, trowel is approximately 0.3 m long). (b) Lithofacies Sh exposed at Quartz Creek (view looking north, pen is approximately 0.15 m long). (c) Lithofacies Sp exposed at Jackson Gulch, Klondike River (view looking west, trowel is approximately 0.3 m long). (d) Lithofacies Sp exposed at American Hill, Bonanza Creek (view looking north, key is approximately 0.05 m long). (e) Lithofacies Sl exposed at Dominion Creek (view looking west, trowel is approximately 0.3 m long). (f) Lithofacies Sl exposed at Quartz Creek; white line is volcanic ash (view looking north, trowel is approximately 0.3 m long).



**Plate 4.** (a) Lithofacies Fl exposed at Dominion Creek (view looking west, trowel is approximately 0.3 m long). (b) Lithofacies Fl exposed at Quartz Creek (view looking east, height of exposure is approximately 2 m). (c) Lithofacies Fm,o exposed at Quartz Creek (view looking east). (d) Lithofacies Fm,o exposed at Irish Gulch (view looking south). (e) Massive ice in lithofacies Fm,o exposed at Glacier Creek (view looking south, Rachel Pugh for scale). (f) Slide rock in lithofacies Fm,o exposed at Mint Gulch (view looking south, hammer is approximately 1 m long).



*Plate 5. (a) Dredged Klondike River valley just east of Dawson (view looking east). (b) Mined benches and dredged Bonanza Creek (Yukon Consolidated Gold Corp. (YCG) dredge #4 in foreground, view looking north). (c) Stratigraphy exposed at Jackson Gulch, Klondike River (view looking south, height of exposure is approximately 50 m, W = White Gravel unit of the White Channel Gravel, Y = Yellow Gravel unit of the White Channel Gravel, K = Klondike Gravel). (d) Stratigraphy exposed at Dago Hill, Hunker Creek (view looking east, height of exposure is approximately 30 m, W = White Gravel unit of the White Channel Gravel, Y = Yellow Gravel unit of the White Channel Gravel, K = Klondike Gravel). (e) High-level Klondike Gravel exposed on the Klondike bench (arrow) at the confluence of the Yukon and Klondike Rivers, Dawson to the right (view looking southwest). (f) Close-up of the Klondike Gravel; dark clasts are black chert particles (length of mattock is 0.3 m).*



**Plate 6.** (a) High-level White Channel Gravel exposed on Boulder Hill, Bonanza Creek (view looking northwest). (b) Close-up of the White Channel Gravel (scale is 0.07 m long). (c) Intermediate-level gravel exposed on Lovett Hill (arrow), Bonanza Creek (view looking south). (d) Close-up of intermediate-level gravel (bucket from excavator for scale). (e) Low-level gravel exposed by Doug Busat's mining operation at the mouth of Hunker Creek (view looking northeast). (f) Close-up of low-level gravel (mattock is approximately 1 m long).



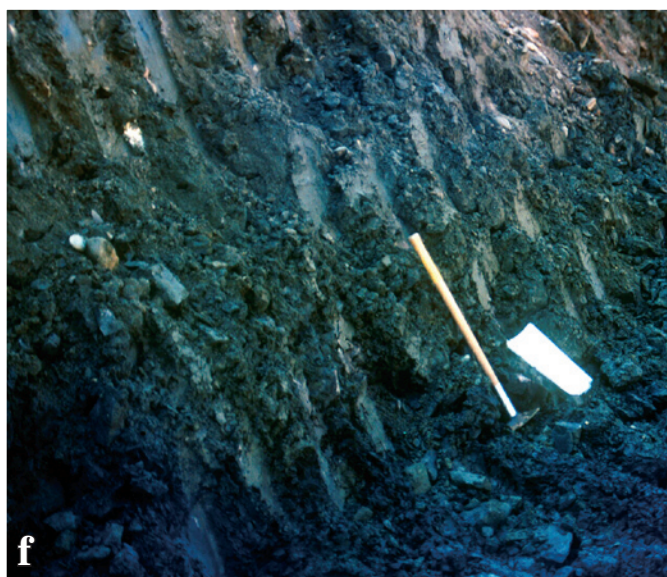
***Plate 7. (a)** Tamarack Inc.'s placer mine on Treasure Hill, Hunker Creek (view looking northwest, Hunker Creek road in foreground). **(b)** Don Sanberg's placer mine on the Klondike Bench (view looking south, Klondike River in foreground and Yukon River in background). **(c)** Kohlman Exploration and Mining's placer mine on a left limit, intermediate-level bench on Bonanza Creek (view looking south, Bonanza Creek road in background). **(d)** Beron's placer mine on Irish Gulch (view looking southeast). **(e)** Favron's placer mine on Last Chance Creek (view looking southwest). **(f)** Heisey Ventures Inc.'s placer mine on Mint Gulch (view looking west).*



**Plate 8.** (a) Dredged Indian River valley just upstream from Quartz Creek (view looking west). (b) Mined benches along Quartz Creek (view looking north). (c) Favron's mining operation on Dominion Creek (view looking south). (d) Stratigraphy exposed along the Indian River; lower, light-coloured unit is the White Channel Gravel and the upper, dark-coloured unit is the Klondike Gravel (view looking south, rock hammer is approximately 0.3 m long). (e) High-level Klondike Gravel exposed on strath terrace along Australia Creek, a tributary of the Indian River (view looking west). (f) Close-up of the Klondike Gravel; dark clasts are black chert particles (mattock is approximately 1 m long).



**Plate 9.** (a) High-level White Channel Gravel exposed on strath terrace along the Indian River (view looking north). (b) Close-up of the White Channel Gravel (height of exposure is approximately 3 m). (c) Intermediate-level gravel exposed by Don McDonald's mining operation on Montana Creek (view looking west). (d) Close-up of intermediate-level gravel (vertical paint lines are approximately 1 m apart). (e) Low-level gravel exposed by Barry Graham's mining operation along the Indian River (view looking west). (f) Close-up of low-level gravel (mattock is approximately 1 m long).



**Plate 10.** (a) Tatlow Placer Mines Ltd.'s placer mine at the confluence of Quartz Creek and Little Blanche Creek (view looking northwest, Quartz Creek at lower right and Little Blanche Creek at upper left). (b) Placer operation on Montana Creek (view looking southwest). (c) Sky Dawn Mining's placer mine on Eureka Creek (view looking south). (d) Ross Mining Limited's placer mine on Dominion Creek (view looking south). (e) Placer operation on Sulphur Creek (view looking southwest). (f) Schmidt Mining's placer mine on the Indian River (view looking east).



*Plate 11. (a) Dredged Sixty Mile River valley just downstream from Glacier Creek (view looking north). (b) Jayce Murtagh's mining operation at the mouth of Miller Creek (view looking west). (c) Intermediate-level and low-level terraces (arrows) along Fifty Mile Creek (view looking southeast). (d) Albert Rudis' and Ralph Nordling's placer exploration pit on low-level terrace along Fifty Mile Creek (Fifty Mile Creek at lower right and exploration camp at upper right, view looking south). (e) Bert Savage's mining operation on Matson Creek (view looking southeast). (f) Fortymile Placers' mining operation on the Fortymile River (view looking northeast).*



**Plate 12.** (a) High-level gravel exposed on high-level terraces above the Fortymile River (view looking north). (b) Close-up of the high-level gravel (Andrew McNeil for scale). (c) Intermediate-level gravel exposed by Mike McDougall's mining operation on Glacier Creek (view looking north). (d) Close-up of intermediate-level gravel (vertical paint lines are approximately 1 m apart). (e) Low-level gravel exposed by Walter Yarencio's mining operation along the Sixty Mile River (view looking northwest). (f) Close-up of low-level gravel (mattock is approximately 1 m long).



**Plate 13.** (a) Fortymile Placers' placer exploration prospect on high-level terrace overlooking the Fortymile River (view looking northwest). (b) Placer operation on Glacier Creek (view looking east, Glacier Creek at centre and left, Little Gold Creek at the right). (c) Matson Creek Gold Corp.'s placer mine on Matson Creek (view looking northeast). (d) Eldorado Placers' placer mine on the Sixty Mile River (view looking north). (e) Placer operation on the Sixty Mile River (view looking north). (f) Fortymile Placers' placer mine on the left limit of the Fortymile River (view looking northeast).



**Plate 14.** (a) Joel White's mining operation on Blackhills Creek, just downstream from his camp (view looking south). (b) Clifford Adventist's mining operation along Maisy May Creek (view looking northwest). (c) Dave McInroe's mining operation on Henderson Creek (view looking west). (d) Bear Creek Placer's mining operation on Scroggie Creek (view looking south). (e) Stuart Schmidt's mining operation on Thistle Creek (view looking west). (f) Mined Excelsior Creek (view looking west).



**Plate 15.** (a) High-level gravel (arrow) exposed in pit on terrace above the Yukon River (view looking north). (b) Close-up of high-level gravel (shovel is approximately 1 m long). (c) Intermediate-level gravel exposed in mined benches along Barker Creek (view looking north). (d) Close-up of intermediate-level gravel (scale is 0.07 m long). (e) Low-level gravel exposed by Stuart Schmidt's mining operation on Thistle Creek (view looking northeast). (f) Close-up of low-level gravel (height of exposure is approximately 1.2 m).



**Plate 16.** (a) Placer exploration pit on a left limit high-level bench on Scroggie Creek (view looking south). (b) Joel White's mined pit on a left limit intermediate-level bench on Black Hills Creek (view looking east). (c) Schmidt Mining's placer operation on the left limit Elis Bench on Thistle Creek (view looking south). (d) Joel White's placer mine on Black Hills Creek (view looking southeast). (e) Bear Creek Placers placer mine on Scroggie Creek (view looking south). (f) Schmidt Mining's placer mine on Thistle Creek (view looking northeast).



*Plate 17. (a) Mined Swamp Creek on west side of Moosehorn Range, Ladue River drainage (view looking north). (b) Mined Scottie Creek (headwaters) on south side of Moosehorn Range, Ladue River drainage (view looking northeast). (c) Low-level gravel exposed by Ian and Kate Warrick's mining operation on 'Roo Pup,' a tributary of Lesaux Creek in the Ladue River drainage (view looking south). (d) Close-up of low-level gravel (mattock is approximately 1 m long). (e) Low-level gravel exposed by Ian and Kate Warrick's mining operation on 'Great Bear Creek,' a tributary of Lesaux Creek in the Ladue River drainage (view looking south). (f) Close-up of low-level gravel (mattock is approximately 1 m long).*



