Appendices 1 to 12

Appendix 1. Station locations
Appendix 2. Particle size analysis
Appendix 3. Particle shape analysis
Appendix 4. Particle composition analysis
Appendix 5. Heavy mineral analysis
Appendix 6. Radiocarbon ages
Appendix 7. Station descriptions, Klondike River drainage
Appendix 8. Station descriptions, Indian River drainage
Appendix 9. Station descriptions, Sixty Mile River drainage
Appendix 10. Station descriptions, Stewart River and Yukon River drainages
Appendix 11. Station descriptions, Ladue River drainage
Appendix 12. Station descriptions, other areas

Appendix 1: Station locations

Station number	Latitude (degree minute second)	Longitude (degree minute second)	Drainage	Gravel unit
GL97-1	63 51 00	139 47 00	Stewart/Yukon	High-level
GL97-21,22	63 40 00	138 38 00	Indian	Intermediate-level
GL97-41,42,45	64 01 00	139 07 00	Klondike	High-level
GL98-1	64 01 59	139 22 00	Klondike	High-level
GL98-2	64 00 22	139 06 45	Klondike	High-level
GL98-3	63 55 10	139 19 45	Klondike	High-level
GL98-4	63 53 51	139 19 00	Klondike	High-level
GL98-5	63 56 20	139 20 30	Klondike	High-level
GL98-6	63 56 58	139 20 53	Klondike	High-level
GL98-7	64 01 14	139 20 39	Klondike	High-level
GL98-8	64 01 59	139 09 00	Klondike	High-level
GL98-9	63 59 05	139 02 02	Klondike	High-level
GL98-10	64 21 50	140 33 00	Sixty Mile	High-level
GL98-11	63 46 22	139 20 57	Indian	High-level
GL98-12	63 46 00	139 19 00	Indian	Low-level
GL98-13	63 46 59	139 07 00	Indian	High-level
GL98-14	63 44 49	139 06 17	Indian	High-level
GL98-15	63 44 39	139 05 04	Indian	High-level
GL98-16	64 44 49	139 05 30	Indian	High-level
GL98-17	63 44 21	139 04 23	Indian	High-level
GL98-18	63 37 30	139 00 05	Indian	Intermediate-level
GL98-19	64 01 30	140 08 44	Klondike	High-level
GL98-20	64 01 37	139 09 00	Klondike	High-level
GL98-21	63 46 59	139 34 00	Indian	Low-level
GL98-22	63 46 59	139 33 00	Indian	High-level
GL98-23	63 47 09	139 33 45	Indian	High-level
GL98-24	63 48 00	139 04 59	Indian	High-level
GL98-25	63 49 00	139 01 59	Indian	Low-level
GL98-26	63 48 43	139 03 48	Indian	High-level
GL98-27	63 49 00	139 04 59	Indian	High-level
GL98-28	63 40 49	138 31 01	Indian	Low-level
GL98-29	63 41 13	138 30 57	Indian	High-level
GL98-30	63 39 30	138 39 30	Indian	Low-level
GL98-31	63 56 10	139 20 29	Klondike	High-level
GL98-32	63 41 30	139 09 10	Other	Bedrock
GL98-33A	63 42 05	139 09 00	Other	Bedrock
GL98-34	63 45 39	139 12 39	Indian	Low-level
GL98-35	63 37 44	138 49 43	Indian	Low-level
GL98-36	63 37 00	138 49 59	Indian	High-level
GL98-37	63 37 00	138 49 59	Indian	Intermediate-level
GL98-38	63 36 49	138 45 26	Indian	High-level
GL98-39	63 40 00	138 37 59	Indian	Intermediate-level
GL98-40	63 40 59	138 34 59	Indian	Intermediate-level
GL98-41	63 49 00	138 51 00	Indian	Intermediate-level
GL98-42	63 49 59	138 43 00	Indian	Intermediate-level
GL98-44	63 45 00	138 30 00	Indian	Low-level
GL98-45	63 57 03	139 21 15	Klondike	High-level
GL98-46	63 46 59	138 36 00	Indian	Intermediate-level
GL98-47	63 52 00	138 54 00	Indian	Low-level
GL98-48	63 49 00	138 49 59	Indian	Low-level
GL98-50	63 37 00	138 31 59	Indian	High-level
GL98-51	63 56 44	139 20 49	Klondike	High-level
GL98-53	63 46 00	137 32 00	Other	High-level
GL98-54	63 39 29	139 25 30	Other	Bedrock
GL98-56	63 04 10	140 53 10	Ladue	Low-level
GL99-4	63 49 00	138 55 00	Indian	Low-level
GL99-5	63 40 05	140 07 55	Other	Bedrock (no field report form)
GL99-6	63 41 04	140 09 00	Other	Bedrock (no field report form)
GL99-7	63 40 50	140 08 50	Other	Bedrock (no field report form)
GL99-8	63 39 15	140 08 20	Other	Bedrock (no field report form)
GL99-9	63 39 05	140 08 00	Other	Bedrock (no field report form)
GL99-10	63 42 05	140 17 50	Other	Bedrock (no field report form)
GL99-11	63 41 50	140 18 20	Other	Bedrock (no field report form)
GL99-12	63 41 55	140 18 50	Other	Bedrock (no field report form)
GL99-13	63 41 55	140 17 55	Other	Bedrock (no field report form)
GL99-14	63 53 09	140 25 40	Other	Bedrock
GL99-15	63 54 05	140 25 45	Other	Bedrock
GL99-16	63 55 30	140 25 45	Other	Bedrock
GL99-17	64 03 00	140 37 59	Sixty Mile	Low-level
GL99-18	64 01 59	140 40 00	Sixty Mile	Low-level
GL99-19	64 02 00	140 51 00	Sixty Mile	Intermediate
GL99-20	64 01 59	140 49 00	Sixty Mile	Intermediate
GL99-21A	64 02 25	140 46 05	Other	Bedrock
GL99-22	64 02 42	139 25 57	Klondike	High-level
GL99-23	64 00 00	139 04 59	Klondike	High-level
GL99-24	63 49 08	139 03 22	Indian	High-level
GL99-25	63 30 01	140 35 10	Sixty Mile	Intermediate-level
GL99-26	63 30 19	140 39 23	Sixty Mile	Low-level

Station number	Latitude (degree minute second)	Longitude (degree minute second)	Drainage	Gravel unit
GL99-27	63 41 35	140 38 00	Other	Low-level
GL99-28	63 58 03	140 50 41	Sixty Mile	Low-level
GL99-29	64 07 00	140 46 59	Sixty Mile	Low-level
GL99-30	63 59 25	140 47 18	Sixty Mile	Low-level
GL99-32	63 59 39	140 49 09	Other	Bedrock
GL99-33	63 59 47	140 47 58	Sixty Mile	Intermediate-level
GL99-34	63 59 51	140 46 48	Sixty Mile	Intermediate-level
GL99-35	63 59 54	140 46 02	Sixty Mile	Low-level
GL99-36	64 01 45	140 21 35	Sixty Mile	Intermediate-level
GL99-37	63 43 01	138 49 02	Indian	Low-level
GL99-38	63 42 55	138 48 58	Indian	Low-level
GL99-39	63 49 59	138 55 59	Indian	Low-level
GL99-42	63 04 00	140 52 59	Ladue	Low-level
GL99-43	63 04 37	140 52 30	Ladue	Low-level
GL99-45	63 01 00	140 56 14	Ladue	Low-level
GL99-46	63 03 20	140 57 45	Ladue	Low-level
GL99-47	63 02 30	140 58 30	Other	Bedrock
GL99-48	63 35 13	138 51 51	Indian	Intermediate-level
GL99-49	63 35 21	138 50 58	Indian	Low-level
GL99-50	63 50 45	140 32 59	Sixty Mile	Intermediate-level
GL99-51	63 50 35	140 33 30	Other	Bedrock (no field report form)
GL99-52	63 50 59	140 32 58	Sixty Mile	Intermediate-level
GL99-53	63 50 39	140 30 15	Sixty Mile	Intermediate-level
GL99-54	63 50 12	140 32 14	Sixty Mile	Intermediate-level
GL99-55	63 50 30	140 28 15	Sixty Mile	Low-level
GL99-56	63 51 00	140 28 59	Sixty Mile	Intermediate-level
GL99-57	63 49 58	140 28 58	Sixty Mile	Intermediate-level
GL99-58	63 54 00	139 19 59	Klondike	Low-level
GL99-60	64 02 12	139 22 19	Klondike	High-level
GL99-62	64 20 33	140 49 12	Sixty Mile	Low-level
GL00-2	63 39 29	138 39 29	Indian	Intermediate-level
GL00-3	63 53 30	138 58 59	Klondike	Low-level
GL00-4	63 56 30	138 58 00	Klondike	Low-level
GL00-5	63 24 29	139 13 00	Stewart/Yukon	Low-level
GL00-6	63 55 19	139 16 38	Klondike	High-level
GL00-7	63 31 45	139 58 30	Sixty Mile	Intermediate
GL00-8	63 31 59	139 55 59	Sixty Mile	Low-level
GL00-9	63 23 59	138 46 50	Stewart/Yukon	Low-level
GL00-10	63 25 59	138 48 29	Stewart/Yukon	Intermediate-level
GL00-11	63 25 52	138 48 05	Stewart/Yukon	Intermediate-level
GL00-12	63 31 45	138 56 30	Stewart/Yukon	Low-level
GL00-13	63 30 50	138 50 44	Stewart/Yukon	Low-level
GL00-14	63 22 00	139 07 00	Other	Bedrock
GL00-15	63 54 00	138 55 59	Klondike	Low-level
GL00-17	63 06 00	138 37 00	Stewart/Yukon	Intermediate-level
GL00-18	63 01 59	138 36 00	Stewart/Yukon	Low-level
GL00-19	63 06 22	138 57 28	Stewart/Yukon	Intermediate-level
GL00-20	63 09 00	138 54 17	Stewart/Yukon	Intermediate-level
GL00-21	63 00 29	139 16 00	Stewart/Yukon	Low-level
GL00-22	63 01 00	138 18 00	Stewart/Yukon	Intermediate-level
GL00-23	63 12 00	139 26 59	Stewart/Yukon	Low-level
GL00-24	64 22 30	140 34 59	Sixty Mile	High-level
GL00-25	63 41 54	138 46 52	Indian	Intermediate-level
GL00-26	64 02 45	139 23 44	Klondike	High-level
GL00-27	63 58 45	139 09 29	Klondike	Low-level
GL00-28	63 58 59	138 08 30	Klondike	High-level
GL00-29	63 59 13	139 07 59	Klondike	Low-level
GL00-30	63 59 30	139 07 00	Klondike	Low-level
GL00-31	63 54 13	139 12 48	Klondike	Low-level
GL00-32	63 54 00	139 13 00	Klondike	Low-level
GL00-33	63 37 45	139 00 05	Indian	Intermediate-level
GL00-34	63 33 29	138 54 29	Indian	Low-level
GL00-35	63 48 00	138 40 00	Indian	Low-level
GL00-36	63 45 27	149 32 07	Other	Intermediate-level
GL00-37	63 45 33	140 32 28	Other	Low-level
GL00-38	63 45 27	140 32 49	Other	Intermediate-level
GL00-39	64 02 30	140 29 30	Sixty Mile	Intermediate-level
GL00-40	63 39 05	138 39 15	Indian	Intermediate-level
GL00-41	64 01 30	140 46 00	Sixty Mile	Intermediate-level
GL00-42	63 58 30	140 46 59	Sixty Mile	Low-level
GL00-43	63 09 00	139 02 30	Stewart/Yukon	Low-level
GL00-44	63 24 48	139 46 13	Stewart/Yukon	Low-level
GL00-45	63 03 44	139 05 02	Stewart/Yukon	Low-level
GL00-46	63 04 26	139 08 28	Stewart/Yukon	Low-level
GL00-47	63 04 33	138 09 43	Stewart/Yukon	Low-level
GL00-48	63 04 00	139 18 45	Stewart/Yukon	Intermediate-level
GL00-49	63 04 03	139 08 18	Stewart/Yukon	Low-level
GL00-50	63 03 29	139 10 00	Stewart/Yukon	Low-level
GL00-51	63 03 00	139 10 59	Stewart/Yukon	Low-level
GL00-52	63 02 44	139 16 30	Stewart/Yukon	Low-level
GL00-53	63 03 42	139 24 29	Stewart/Yukon	Low-level
GL00-54	63 46 00	138 34 2	Indian	Intermediate-level
GL00-55	63 42 00	138 37 00	Indian	Low-level
GL00-56	63 50 27	139 05 33	Indian	Low-level
GL01-2	64 01 00	139 10 00	Klondike	High-level
GL01-3	64 01 00	139 07 00	Klondike	High-level
GL01-11	64 01 14	140 45 29	Sixty Mile	Low-level
GL01-12	63 38 15	139 00 44	Indian	Intermediate-level
GL01-13	63 50 20	139 00 39	Indian	Low-level

Station number	Latitude (degree minute second)	Longitude (degree minute second)	Drainage	Gravel unit
GL01-14	63 50 30	139 05 58	Indian	Low-level
GL01-15	63 56 25	138 36 35	Klondike	Intermediate-level
GL01-16	63 56 23	138 37 32	Klondike	High-level
GL01-17	63 52 45	139 09 00	Klondike	Low-level
GL01-18	63 58 59	139 21 45	Klondike	Intermediate-level
GL01-20	64 05 09	140 43 09	Other	Bedrock
GL01-21	64 11 05	140 26 53	Other	Bedrock
GL01-22	63 00 29	139 17 30	Stewart/Yukon	Low-level
GL01-23	64 00 45	139 06 15	Klondike	Low-level
GL01-24	64 01 40	139 21 15	Klondike	High-level
GL01-25	64 22 45	140 36 15	Sixty Mile	High-level
GL01-26	64 01 45	139 10 33	Klondike	Low-level
GL01-27	63 56 44	138 54 00	Klondike	Low-level
GI01-28A	64 01 05	139 22 00	Klondike	Intermediate-level

Station number	Latitude (degree minute second)	Longitude (degree minute second)	Drainage	Gravel unit
GL01-29	64 02 44	140 33 29	Sixty Mile	Intermediate-level
GL01-30	63 44 30	139 16 59	Other	Bedrock
GL01-31	63 44 30	139 17 00	Indian	High-level
GL01-32	63 30 00	140 46 59	Other	Bedrock
GL01-33	63 36 00	140 46 59	Other	Bedrock
GL01-34	63 37 59	140 55 59	Ladue	Low-level
GL01-36	63 22 30	139 04 59	Other	Bedrock
GL01-37	63 17 30	138 55 00	Stewart/Yukon	Low-level
GL01-38	63 55 48	139 22 16	Klondike	High-level
GL01-41	63 55 05	138 39 00	Klondike	Low-level
GL01-42	63 56 45	138 38 30	Klondike	Low-level
GL01-44	64 03 50	139 25 50	Stewart/Yukon	Low-level
GL01-45	63 58 50	139 21 45	Klondike	Intermediate-level
GL01-46	63 58 05	138 59 09	Klondike	Low-level

Appendix 2: Particle size analysis

Abbreviations

hw: high-level White Channel Gravel (undifferentiated)
hww: high-level White Channel Gravel, white (lower) unit
hwy: high-level White Channel Gravel, yellow (upper) unit
hk: high-level Klondike Gravel
in: intermediate-level gravel
lo: low-level gravel

Gravel %: percent gravel-sized particles (>2 mm)
Sand %: percent sand-sized particles (>0.625 mm, < 2mm)
Mud %: percent mud-sized particles (<0.0625 mm)

Sample number	Gravel unit	Gravel %	Sand %	Mud %
GL97-21	in	72.6	24.6	2.8
GL97-22	in	80.9	17.5	1.6
GL97-41	hww	64	32	4
GL97-42-1	hww	75.1	22.2	2.7
GL97-42-2	hww	80.3	17.6	2.1
GL97-42-3	hww	75.8	14.6	9.6
GL97-45-1	hww	69.3	26.4	4.3
GL97-45-2	hww	73.3	22.5	4.2
GL97-45-3	hww	67.3	25.9	6.8
GL98-1B	hww	83.3	13.9	2.8
GL98-1E	hk	88.8	10.5	0.7
GL98-1F	hk	87.4	11.9	0.7
GL98-1G	hk	84.6	15.3	0.1
GL98-3A	hww	85.8	13	1.2
GL98-4A	hww	78.8	18.9	2.3
GL98-5A	hww	71.3	24.3	4.4
GL98-5B	hww	90.5	8.6	0.9
GL98-6A	hww	73.8	24.1	2.1
GL98-7A	hww	83.6	14.2	2.2
GL98-8A	hww	73.9	20.8	5.3
GL98-8B	hwy	80.5	17.3	2.2
GL98-8C	hk	87	12.3	0.7
GL98-9A	hww	70.1	24.3	5.6
GL98-10A	hk	74.8	23.9	1.3
GL98-11C	hw	85	14.4	0.6
GL98-11D	hk	79.9	19.5	0.6
GL98-12A	lo	79.5	16.1	4.4
GL98-12H	lo	78.1	17.9	4
GL98-13C	hw	75.4	22.5	2.1
GL98-14C	hww	67.1	31.8	1.1
GL98-14D	hwy	87.9	11.4	0.7
GL98-14E	hk	67.5	28.8	3.7
GL98-15A	hk	90.3	8.6	1.1
GL98-16A	hw	83.6	15.6	0.8

Sample number	Gravel unit	Gravel %	Sand %	Mud %
GL98-17B	hww	69.1	30.1	0.8
GL98-18B	in	68.9	26.1	5
GL98-20A	hww	77.3	19.8	2.9
GL98-21B	lo	61.5	32	6.5
GL98-21H	lo	73.9	21.2	4.9
GL98-22A	hk	66.7	29	4.3
GL98-23A	hk	70	27.5	2.5
GL98-24A	hw	63.9	32.6	3.5
GL98-25B	lo	65.7	27.8	6.5
GL98-26C	hw	60.4	34.4	5.2
GL98-27C	hw	56.2	40.2	3.6
GL98-27H	hw	61.2	35.8	3
GL98-28B	lo	64.9	29.2	5.9
GL98-28H	lo	70.1	24.9	5
GL98-29A	hww	65.2	31.7	3.1
GL98-30A	lo	80.8	12.4	6.8
GL98-31B	hww	46.1	40	13.9
GL98-35C	lo	78.1	20.4	1.5
GL98-35H	lo	58.5	36.3	5.2
GL98-36A	hk	85.1	14	0.9
GL98-37B	in	74.4	23.4	2.2
GL98-37E	in	52.3	45	2.7
GL98-37H	in	73.3	25.2	1.5
GL98-38A	hw	86.6	13	0.4
GL98-39B	in	67.7	29.8	2.5
GL98-39E	lo	74.9	24.2	0.9
GL98-39H	in	79.5	19.3	1.2
GL98-40A	in	79.1	19.8	1.1
GL98-40B	lo	87.8	11.5	0.7
GL98-41B	in	73.9	24.2	1.9
GL98-42B	in	74.9	18.6	6.5
GL98-42C	lo	86.4	12.6	1
GL98-42H	in	88.9	9.8	1.3
GL98-44B	lo	79	19.1	1.9
GL98-44H	lo	83.3	15.6	1.1

Sample number	Gravel unit	Gravel %	Sand %	Mud %
GL98-45A	hww	82.4	15.7	1.9
GL98-46B	in	76.8	19.6	3.6
GL98-46C	lo	85.2	14	0.8
GL98-47B	lo	75.2	21.8	3
GL98-48B	lo	58	36.5	5.5
GL98-50A	hk	91.3	7.9	0.8
GL98-56A	lo	53.6	38.9	7.5
GL99-4A	lo	54.1	26.7	19.2
GL99-17A	lo	70.2	22.9	6.9
GL99-18A-1	lo	77.6	16.5	5.9
GL99-18A-2	lo	61.7	20.8	17.5
GL99-18A-3	lo	73.4	23.3	3.3
GL99-19A	in	67.5	21.9	10.6
GL99-20A-1	in	69.1	20.9	10
GL99-20A-2	in	67	18.9	14.1
GL99-22A	hk	72.4	22.9	4.7
GL99-23B	hw	76.7	16.3	7
GL99-25A	in	59.3	29.1	11.6
GL99-25B	in	89	9.9	1.1
GL99-26C	lo	80.9	15.7	3.4
GL99-27A	lo	77.7	16.4	5.9
GL99-28A	lo	85.5	13.3	1.2
GL99-29A	lo	80.6	16.5	2.9
GL99-33B	in	86.9	11.5	1.6
GL99-34A	in	72	23.9	4.1
GL99-35A	lo	84.4	14.3	1.3
GL99-36A-1	in	45.5	32.3	22.2
GL99-36A-2	in	35.2	41.2	23.6
GL99-37A	lo	82.2	11.8	6
GL99-38A	lo	78.1	14.6	7.3
GL99-39A-1	lo	67.3	26.8	5.9
GL99-39A-2	lo	68.1	25.4	6.5
GL99-42A-1	lo	53.8	38.5	7.7
GL99-42A-2	lo	62.7	31.3	6
GL99-43A-1	lo	47.3	40.8	11.9
GL99-43A-2	lo	41.9	45.3	12.8
GL99-45A	lo	63.9	22	14.1
GL99-46A	lo	66.5	31.4	2.1
GL99-48A	in	79.7	17.2	3.1
GL99-49A	lo	85	13.5	1.5
GL99-53A	in	76.5	22.5	1
GL99-53B	in	73.3	18.4	8.3
GL99-56B-1	in	77.3	20.7	2
GL99-56B-2	in	78	20	2
GL99-57A	in	85	13.4	1.6
GL99-58C	lo	66.5	28.6	4.9

Sample number	Gravel unit	Gravel %	Sand %	Mud %
GL99-60B	hww	75.6	18.9	5.5
GL00-2A	lo	76.6	21.9	1.5
GL00-2B	in	77.1	19.6	3.3
GL00-3A	lo	56.8	29.7	13.5
GL00-4A	lo	80.6	15.3	4.1
GL00-5A	lo	72	26.2	1.8
GL00-6A	hww	73.6	23	3.4
GL00-7A	in	76.4	21.5	2.1
GL00-8A	lo	61.6	37.9	0.5
GL00-9A	lo	76.7	17.8	5.5
GL00-10A	in	70.4	24.4	5.2
GL00-11A	in	82.4	14.2	3.4
GL00-12A	lo	72	21.4	6.6
GL00-13A	lo	61.1	31.6	7.3
GL00-15A	lo	76.8	17.8	5.4
GL00-17A	in	71.5	26.8	1.7
GL00-18A	lo	58.6	33.1	8.3
GL00-19A	in	76	22.7	1.3
GL00-20A	in	68.4	30.1	1.5
GL00-21A	lo	75.6	21.8	2.6
GL00-22A	in	76.2	21.5	2.3
GL00-23A	lo	48.4	44.9	6.7
GL00-24A	hk	58.1	38.6	3.3
GL00-25A	in	64.5	27.1	8.4
GL00-25B	lo	75.7	16.8	7.5
GL00-26A	hk	78	19.7	2.3
GL00-27A	lo	84	12.3	3.7
GL00-28A	hww	70.2	26.3	3.5
GL00-29A	lo	77	19	4
GL00-30A-1	lo	41	29.2	29.8
GL00-30A-2	lo	30.6	34.3	35.1
GL00-31A	lo	54.1	37.2	8.7
GL00-32B	lo	43.3	49.4	7.3
GL00-33A	in	87.3	11.2	1.5
GL00-33B	in	76.8	20.9	2.3
GL00-34A	lo	68.5	27.2	4.3
GL00-35A	lo	73.5	22.9	3.6
GL00-39A	in	56.1	34.3	9.6
GL00-39B	in	79	19.1	1.9
GL00-40A	in	57.8	37.7	4.5
GL00-40B	lo	66.8	28.2	5
GL00-41A	in	89.3	9.5	1.2
GL00-42A	lo	63.8	30.5	5.7
GL00-43A	lo	75.6	21.3	3.1
GL00-44A	lo	72.9	25	2.1
GL00-45A	lo	71.7	17.5	10.8

Sample number	Gravel unit	Gravel %	Sand %	Mud %
GL00-45B	lo	55.2	32.9	11.9
GL00-46B	lo	74.9	24.1	1
GL00-47B	lo	68.3	31	0.7
GL00-48A	in	75.3	24.3	0.4
GL00-48B	in	52.3	37.7	10
GL00-49A	lo	57.2	36.3	6.5
GL00-50A	lo	83.6	14.3	2.1
GL00-51A	lo	77.1	21.5	1.4
GL00-52A	lo	62.9	32.5	4.6
GL00-53A	lo	81	17.9	1.1
GL00-54A	in	52	45.9	2.1
GL00-54D	in	83	15.6	1.4
GL00-55A	lo	81.5	16.3	2.2
GL00-56A	lo	81.7	15.7	2.6
GL01-3J	hww	78	10.6	11.4
GL01-3K	hww	75	7.3	17.7
GL01-12A	in	58.5	32.5	9
GL01-12B	in	70.4	23	6.6
GL01-13A	lo	81.3	16	2.7
GL01-14A	lo	82	14.6	3.4
GL01-15A	in	82.4	16.1	1.5
GL01-16A	hk	86.2	9.9	3.9
GL01-16B	hk	85.4	11.5	3.1

Sample number	Gravel unit	Gravel %	Sand %	Mud %
GL01-17A	lo	82.8	13.3	3.9
GL01-18A	in	87.4	8.4	4.2
GL01-22C	lo	75.2	20.4	4.4
GL01-23A	lo	84.3	12.5	3.2
GL01-23C	lo	63.8	28.1	8.1
GL01-25A	hw	74.5	15.2	10.3
GL01-25B	hw	77.4	19.9	3.2
GL01-26A	lo	91.6	7.1	1.3
GL01-26B	lo	69.2	29.5	1.3
GL01-26E	lo	78.1	20.5	1.4
GL01-27A	lo	75.1	20.1	4.8
GL01-28A	in	64.2	25.2	10.6
GL01-29A	in	75.7	21.7	2.6
GL01-29B	in	80.1	18.7	1.2
GL01-31A	hk	79	17.1	3.9
GL01-34A	lo	82.1	17.1	0.8
GL01-37A	lo	76.9	14.7	8.4
GL01-38A	hww	71.9	25.5	2.6
GL01-41A	lo	65	28.5	6.5
GL01-42A	lo	87.	11.6	0.5
GL01-44A	lo	96.6	2.7	0.7
GL01-45A	in	82.4	16.1	1.5
GL01-46B	lo	63.3	31.4	5.3

Appendix 3: Particle shape analysis

Abbreviations

hk: high-level Klondike Gravel
hw: high-level White Channel Gravel (undifferentiated)
hwy: high-level White Channel Gravel, yellow (upper) unit
hww: high-level White Channel Gravel, white (lower) unit
in: intermediate-level gravel
lo: low-level gravel
R: roundness, the curvature of corners or edges
S: sphericity, the degree to which the shape of a particle approaches a sphere

0.5: very angular
1.5: angular
2.5: sub-angular
3.5: sub-rounded
4.5: rounded
5.5: well rounded
0.5: discoidal
1.5: sub-discoidal
2.5: spherical
3.5: sub-prismoidal
4.5: prismoidal

Sample number	Gravel unit	R	S
GL97-21	in	3.5	2.5
GL97-22	in	2.5	2.5
GL97-41	hww	3.5	2.5
GL97-42-1	hww	3.5	2.5
GL97-42-2	hww	3.5	2.5
GL97-42-3	hww	3.5	2.5
GL97-45-1	hww	3.5	2.5
GL97-45-2	hww	3.5	2.5
GL97-45-3	hww	2.5	2.5
GL98-1B	hww	3.5	2.5
GL98-1E	hk	3.5	2.5
GL98-1F	hk	3.5	2.5
GL98-1G	hk	4.5	2.5
GL98-3A	hww	3.5	1.5
GL98-4A	hww	3.5	1.5
GL98-5A	hww	3.5	2.5
GL98-5B	hww	3.5	2.5
GL98-6A	hww	3.5	2.5
GL98-7A	hww	3.5	2.5
GL98-8A	hww	3.5	2.5
GL98-8B	hwy	2.5	2.5
GL98-8C	hk	4.5	1.5
GL98-9A	hww	2.5	2.5
GL98-10A	hk	3.5	2.5
GL98-11C	hw	3.5	2.5
GL98-11D	hk	3.5	2.5
GL98-12A	lo	3.5	2.5
GL98-12H	lo	3.5	2.5
GL98-13C	hw	3.5	2.5

Sample number	Gravel unit	R	S
GL98-14C	hww	3.5	2.5
GL98-14D	hwy	3.5	2.5
GL98-14E	hk	3.5	2.5
GL98-15A	hk	3.5	1.5
GL98-16A	hw	3.5	1.5
GL98-17B	hww	3.5	1.5
GL98-18B	in	2.5	2.5
GL98-20A	hww	3.5	2.5
GL98-21B	lo	1.5	2.5
GL98-21H	lo	2.5	2.5
GL98-22A	hk	3.5	1.5
GL98-23A	hk	3.5	2.5
GL98-24A	hw	3.5	2.5
GL98-25B	lo	1.5	1.5
GL98-26A	hw	3.5	2.5
GL98-27C	hw	3.5	1.5
GL98-27H	hw	3.5	2.5
GL98-28B	lo	2.5	1.5
GL98-28H	lo	2.5	2.5
GL98-29A	hw	2.5	2.5
GL98-30A	lo	3.5	3.5
GL98-31B	hww	1.5	2.5
GL98-35C	lo	2.5	3.5
GL98-35H	lo	3.5	2.5
GL98-36A	hk	4.5	2.5
GL98-37B	in	1.5	0.5
GL98-37E	in	2.5	1.5
GL98-37H	in	3.5	2.5
GL98-38A	hk	4.5	2.5

Sample number	Gravel unit	R	S
GL98-39B	in	3.5	1.5
GL98-39E	lo	3.5	1.5
GL98-39H	in	3.5	2.5
GL98-40A	in	3.5	1.5
GL98-40B	lo	3.5	1.5
GL98-41B	in	2.5	1.5
GL98-42B	in	2.5	1.5
GL98-42C	lo	3.5	2.5
GL98-42H	in	3.5	1.5
GL98-44B	lo	2.5	1.5
GL98-44H	lo	3.5	1.5
GL98-45A	hww	4.5	1.5
GL98-46B	in	2.5	1.5
GL98-46C	lo	4.5	1.5
GL98-47B	lo	1.5	1.5
GL98-48B	lo	4.5	1.5
GL98-50A	hk	4.5	3.5
GL98-56A-1	lo	1.5	2.5
GL98-56A-2	lo	3.5	1.5
GL99-4A	lo	2.5	1.5
GL99-17A-1	lo	3.5	2.5
GL99-17A-2	lo	3.5	2.5
GL99-18A-1	lo	3.5	1.5
GL99-18A-2	lo	3.5	2.5
GL99-19A	in	2.5	2.5
GL99-20A-1	in	2.5	1.5
GL99-20A-2	in	2.5	2.5
GL99-22A	hk	3.5	2.5
GL99-23B	hww	3.5	2.5

Sample number	Gravel unit	R	S
GL99-25A	in	3.5	1.5
GL99-25B	in	3.5	2.5
GL99-26C	lo	2.5	1.5
GL99-27A	lo	2.5	2.5
GL99-28A	lo	3.5	2.5
GL99-29A	lo	2.5	2.5
GL99-33B	in	3.5	2.5
GL99-34A	in	1.5	3.5
GL99-35A-1	lo	3.5	1.5
GL99-35A-2	lo	3.5	2.5
GL99-36A	in	3.5	1.5
GL99-37A	lo	3.5	2.5
GL99-38A	lo	3.5	2.5
GL99-39A	lo	3.5	2.5
GL99-42A	lo	3.5	2.5
GL99-43A	lo	2.5	2.5
GL99-45A	lo	1.5	2.5
GL99-46A	lo	1.5	2.5
GL99-48A	in	3.5	2.5
GL99-49A	lo	3.5	2.5
GL99-53A	in	3.5	2.5
GL99-53B	in	4.5	2.5
GL99-56B-1	in	3.5	2.5
GL99-56B-2	in	3.5	2.5
GL99-57A	in	3.5	1.5
GL99-58C	lo	2.5	1.5
GL99-60B	hww	3.5	2.5
GL00-2A	lo	3.5	2.5
GL00-2B	in	3.5	2.5

Sample number	Gravel unit	R	S
GL00-3A	lo	3.5	1.5
GL00-4A	lo	3.5	1.5
GL00-5A	lo	3.5	1.5
GL00-6A	hww	3.5	1.5
GL00-7A	in	3.5	2.5
GL00-8A	lo	3.5	1.5
GL00-9A-1	lo	2.5	0.5
GL00-9A-2	lo	0.5	0.5
GL00-10A	in	2.5	2.5
GL00-11A	in	3.5	1.5
GL00-12A	lo	3.5	2.5
GL00-13A	lo	3.5	1.5
GL00-15A	lo	3.5	1.5
GL00-17A	in	3.5	1.5
GL00-18A	lo	3.5	2.5
GL00-19A	in	4.5	1.5
GL00-20A	in	3.5	1.5
GL00-21A	lo	3.5	1.5
GL00-22A	in	3.5	1.5
GL00-23A	lo	2.5	1.5
GL00-24A	hk	3.5	2.5
GL00-25A	in	3.5	1.5
GL00-25B	lo	3.5	1.5

Sample number	Gravel unit	R	S
GL00-26A	hk	4.5	1.5
GL00-27A	lo	3.5	1.5
GL00-28A-1	hww	3.5	1.5
GL00-28A-2	hww	3.5	2.5
GL00-29A-1	lo	3.5	1.5
GL00-29A-2	lo	2.5	1.5
GL00-30A	lo	1.5	1.5
GL00-31A	lo	2.5	2.5
GL00-32B	lo	2.5	2.5
GL00-33A	in	3.5	1.5
GL00-33B	in	3.5	2.5
GL00-34A	lo	2.5	1.5
GL00-35A	lo	3.5	1.5
GL00-39A	in	3.5	1.5
GL00-39B	in	3.5	1.5
GL00-40A	in	3.5	2.5
GL00-40B	lo	3.5	2.5
GL00-41A	in	3.5	1.5
GL00-42A	lo	1.5	1.5
GL00-43A	lo	3.5	1.5
GL00-44A	lo	3.5	1.5
GL00-45A	lo	3.5	2.5
GL00-45B	lo	2.5	2.5

Sample number	Gravel unit	R	S
GL00-46A	lo	3.5	1.5
GL00-47B	lo	3.5	1.5
GL00-48A	in	4.5	2.5
GL00-48B	in	3.5	2.5
GL00-49A	lo	2.5	2.5
GL00-50A	lo	3.5	2.5
GL00-51A	lo	1.5	2.5
GL00-52A	lo	3.5	1.5
GL00-53A	lo	3.5	1.5
GL00-54A	in	2.5	1.5
GL00-54D	in	3.5	1.5
GL00-55A	lo	3.5	1.5
GL00-56A	lo	3.5	1.5
GL01-3J	hww	4.5	1.5
GL01-3K	hww	4.5	1.5
GL01-12A	in	4.5	3.5
GL01-12B	in	3.5	1.5
GL01-13A	lo	2.5	1.5
GL01-14A	lo	3.5	1.5
GL01-15A	in	4.5	1.5
GL01-16A	hk	3.5	1.5
GL01-16B	hk	3.5	1.5

Sample number	Gravel unit	R	S
GL01-17A	lo	2.5	3.5
GL01-18A	in	3.5	3.5
GL01-22C	lo	3.5	1.5
GL01-23A	lo	3.5	1.5
GL01-23C	lo	2.5	2.5
GL01-25A	hw	3.5	3.5
GL01-25B	hw	3.5	3.5
GL01-26A	lo	3.5	1.5
GL01-26B	lo	2.5	3.5
GL01-26E	lo	4.5	3.5
GL01-27A	lo	2.5	1.5
GL01-28A	in	3.5	2.5
GL01-29A	in	2.5	1.5
GL01-29B	in	2.5	1.5
GL01-31A	hk	3.5	3.5
GL01-34A	lo	4.5	0.5
GL01-37A	lo	4.5	1.5
GL01-38A	hww	2.5	3.5
GL01-41A	lo	4.5	1.5
GL01-42A	lo	4.5	3.5
GL01-44A	lo	4.5	3.5
GL01-45A	in	3.5	1.5
GL01-46B	lo	1.5	1.5

Appendix 4: Particle composition analysis

Abbreviations

hk: high-level Klondike Gravel
hw: high-level White Channel Gravel (undifferentiated)
hwy: high-level White Channel Gravel, yellow (upper) unit
hww: high-level White Channel Gravel, white (lower) unit
in: intermediate-level gravel
lo: low-level gravel
Q%: percent vein-quartz particles
I%: percent igneous rock particles
M%: percent metamorphic rock particles
S%: percent sedimentary rock particles
Ign: type of igneous rock particles observed
Met: type of metamorphic rock particles observed
Sed: type of sedimentary rock particles observed

a: amphibole
b: black
c: chlorite
f: feldspar
g: graphite
i: biotite
m: muscovite
n: green
q: quartz
r: red
t: garnet
am: amphibolite
an: andesite

ap: aphanite
ba: basalt
ch: chert
cg: conglomerate
di: diorite
gb: gabbro
gd: granodiorite
gn: gneiss
gt: granite
md: mudstone
po: porphyry
qz: quartzite
sc: schist

Sample number	Gravel unit	Q%	I%	M%	S%	Ign	Met	Sed
GL97-21	in	60	0	40	0		q-m sc	
GL97-22	in	65	0	35	0		c-q-m sc	
GL97-41	hww	80	5	15	0		q-m sc	
GL97-42-1	hww	90	1	9	0	q po	m sc	
GL97-42-2	hww	98	1	1	0	ap	g qz	
GL97-42-3	hww	95	0	5	0		q-m sc	
GL97-45-1	hww	40	0	60	0		m-q sc	
GL97-45-2	hww	60	0	40	0		q-m sc	
GL97-45-3	hww	95	0	5	0		qz, q-m sc	
GL98-1B	hww	60	0	40	0		m-q sc	
GL98-1E	hk	5	1	60	35		q-m sc	b ch
GL98-1F	hk	5	40	45	10	ap	qz, gn	b-n ch
GL98-1G	hk	10	40	45	5	ap	qz, gn	b ch
GL98-3A	hww	10	0	90	0		q-c-m sc, gn	
GL98-4A	hww	10	0	90	0		q-m sc	
GL98-5A	hww	10	0	90	0		q-m-c sc	
GL98-5B	hww	10	0	90	0		q-m sc, gn	
GL98-6A	hww	40	0	60	0		q-m sc	
GL98-7A	hww	60	0	40	0		m-q sc, gn	
GL98-8A	hww	80	0	20	0		q-m sc	
GL98-8B	hwy	75	0	25	0		q-m-g sc	
GL98-8C	hk	5	40	15	40	ap, a po	qz	b ch, cg
GL98-9A	hww	90	0	10	0		q-m-g sc	
GL98-10A	hk	15	10	75	0	f-a po, di	qz, q-g sc	

Sample number	Gravel unit	Q%	I%	M%	S%	Ign	Met	Sed
GL98-11C	hww	50	0	50	0		q-m sc, gn	
GL98-11D	hk	15	10	65	10	ap, f po	q-m sc, gn	b ch
GL98-12A	lo	15	10	70	5	ap	q-m sc, gn	b ch
GL98-12H	lo	45	5	45	5	ap	gn, q-m sc	b ch
GL98-13C	hw	30	0	70	0		q-m sc, gn	
GL98-14C	hww	50	0	50	0		qz, q-m sc	
GL98-14D	hwy	40	0	60	0		q-m sc, gn	
GL98-14E	hk	20	0	40	40		q-m sc, qz	b-n ch
GL98-15A	hk	5	5	70	20	ap	q-g sc, qt	b ch, cg
GL98-16A	hw	25	1	74	0	ap	q-g sc, qz	
GL98-17B	hww	70	0	30	0		q-m-g sc	
GL98-18B	in	0	0	100	0		g qz	
GL98-20A	hww	85	0	15	0		q-g-c sc	
GL98-21B	lo	0	0	100	0		qz, q-g sc	
GL98-21H	lo	10	0	90	0		qz, q-m sc	
GL98-22A	hk	20	0	60	20		q-m-g sc	b-n ch
GL98-23A	hk	15	1	80	4	gt	q-m-g sc	b-n ch
GL98-24A	hw	10	10	70	0	q-f po	q-c sc, gn	
GL98-25B	lo	2	0	98	0		c-m-q sc	
GL98-26A	hw	45	5	50	0	q po	c-q-m sc	
GL98-27C	hw	20	10	70	0	q po	c-q sc	

Sample number	Gravel unit	Q%	I%	M%	S%	Ign	Met	Sed
GL98-27H	hw	10	0	90	0		q-m sc	
GL98-28B	lo	5	0	95	0		c-q-m sc	
GL98-28H	lo	1	0	99	0		c sc	
GL98-29A	hw	97	0	3	0		qz, m-q sc	
GL98-30A	lo	80	1	19	0	f-q po	c-q-g sc	
GL98-31B	hww	1	0	99	0		c-q sc	
GL98-35C	lo	10	0	90	0		c-q-a sc, gn	
GL98-35H	lo	10	0	90	0	gb	gn, q-m sc	
GL98-36A	hk	15	60	20	15	ap, f po, gd	q-m sc, qz	b-r-n ch
GL98-37B	in	0	0	100	0		q-m sc, gn	
GL98-37E	in	0	0	100	0		q-m sc	
GL98-37H	in	10	0	90	0		q-m sc	
GL98-38A	hk	15	10	65	10	ap, gd	q-m sc, gn	b ch, cg
GL98-39B	in	60	1	39	0	q po	q-m-g sc	
GL98-39E	lo	50	0	50	0		q-m sc	
GL98-39H	in	80	0	20	0		q-g-m sc	
GL98-40A	in	65	0	35	0		q-m-g sc	
GL98-40B	lo	20	0	80	0		q-m sc, gn	
GL98-41B	in	10	0	90	0		q-m sc, gn	
GL98-42B	in	20	0	80	0		c-q sc	
GL98-42C	lo	60	0	40	0		q-m-c sc	
GL98-42H	in	40	0	60	0		q-m sc	
GL98-44B	lo	5	0	95	0		m-t sc, gn	
GL98-44H	lo	60	0	40	0		m-q sc	
GL98-45A	hww	5	0	95	0		q-c-m sc	
GL98-46B	in	10	0	90	0		m-q sc, gn	
GL98-46C	lo	15	0	85	0		q-m sc, gn	
GL98-47B	lo	0	0	100	0		q-m-c sc, gn	
GL98-48B	lo	0	0	100	0		q-m sc, gn	
GL98-50A	hk	10	30	25	35	ap, gt, f po	gn	b ch, cg
GL98-56A-1	lo	0	0	100	0	gd, gt		
GL98-56A-2	lo	0	0	100	0	gd, gt		
GL99-4A	lo	1	0	99	0		q-m-c sc	
GL99-17A-1	lo	10	0	90	0		q-m sc	
GL99-17A-2	lo	15	20	65	0	ap	q-m sc, gn	
GL99-18A-1	lo	5	10	85	0	f po, gt	qz, q-m-g sc	

Sample number	Gravel unit	Q%	I%	M%	S%	Ign	Met	Sed
GL99-18A-2	lo	15	15	70	0	f po, ap, di	q-m sc, qz	
GL99-19A	in	10	0	90	0		q-g-m sc	
GL99-20A-1	in	5	0	95	0		g-q sc	
GL99-20A-2	in	10	0	90	0		q-g sc, qz	
GL99-22A	hk	20	35	40	5	ap	q-m sc, gn	b-n ch
GL99-23B	hww	65	1	34	0	ap	m-c-q sc	
GL99-25A	in	10	0	90	0		q-c-m-g sc	
GL99-25B	in	10	0	90	0		gn, q-m sc	
GL99-26C	lo	10	0	90	0		q-i sc, gn	
GL99-27A	lo	0	40	60	0	gt	q-m sc, gn	
GL99-28A	lo	1	49	50	0	gd	q-m sc, gn	
GL99-29A	lo	5	0	95	0		m-q sc	
GL99-33B	in	5	0	95	0		q-m-g sc	
GL99-34A	in	15	0	85	0		q-g sc, qz	
GL99-35A-1	lo	2	0	98	0		gn, qt, m sc	
GL99-35A-2	lo	5	0	95	0		gn, q-m sc	
GL99-36A	in	10	0	90	0		gn, q-m sc	
GL99-37A	lo	20	0	80	0		q-m-c sc, gn	
GL99-38A	lo	50	0	50	0		c sc, gn	
GL99-39A	lo	10	0	90	0		c-q-m sc	
GL99-42A	lo	0	0	100	0	gd		
GL99-43A	lo	2	0	98	0	di, gd		
GL99-45A	lo	1	0	99	0	ba, gt		
GL99-46A	lo	0	0	100	0	gd		
GL99-48A	in	1	0	99	0		q-m-c sc	
GL99-49A	lo	5	0	95	0		q-m-c sc, gn	
GL99-53A	in	5	0	95	0	gd	q-m sc, gn	
GL99-53B	in	0	50	50	0	di, gd	gn	
GL99-56B-1	in	3	50	47	0	di, gd	gn, q-m sc	
GL99-56B-2	in	5	40	55	0	ap, gt	q-m sc, gn	
GL99-57A	in	5	0	95	0		q-m sc, gn	
GL99-58C	lo	10	0	90	0		q-c sc	
GL99-60B	hww	85	0	15	0		m-q sc	
GL00-2A	lo	15	0	85	0		q-m-c-a sc	
GL00-2B	in	75	5	20	0	ap	g-q-m sc	
GL00-3A	lo	3	0	97	0		a-q-c sc	
GL00-4A	lo	40	0	60	0		q-m-c sc	

Sample number	Gravel unit	Q%	I%	M%	S%	Ign	Met	Sed
GL00-5A	lo	5	0	95	0	ap, di	gn, q-m sc	
GL00-6A	hww	15	0	85	0	q-f po	q-c-m sc	
GL00-7A	in	5	5	90	0	ap	q-m sc, gn	
GL00-8A	lo	7	5	88	0	di, f po	q-m sc, gn	
GL00-9A-1	lo	10	0	90	0		gn, q-i-a sc	
GL00-9A-2	lo	5	0	95	0		c-q sc	
GL00-10A	in	1	55	44	0	f po, di	q-m sc, am	
GL00-11A	in	4	0	96	0		q-c-m sc, gn	
GL00-12A	lo	0	0	100	0	ap, di, an	m-q sc	
GL00-13A	lo	5	0	95	0		q-m-g sc	
GL00-15A	lo	15	0	85	0		q-c-m sc	
GL00-17A	in	1	0	99	0		m-q-c sc, qz	
GL00-18A	lo	1	0	99	0		gn, c-q sc	
GL00-19A	in	5	0	95	0		gn, q-m-c sc	
GL00-20A	in	5	0	95	0		q-m-g sc	
GL00-21A	lo	7	0	93	0		q-m-c sc, gn	
GL00-22A	in	10	5	85	0		q-m-g sc, qz	
GL00-23A	lo	2	0	98	0		m-a-q sc	
GL00-24A	hk	20	0	80	0		q-m sc, gn	
GL00-25A	in	50	0	50	0	q-f po	q-m sc, gn	
GL00-25B	lo	50	0	50	0		q-m sc	
GL00-26A	hk	10	40	40	10	ap	gn, qz	b ch, cg
GL00-27A	lo	3	0	97	0		q-m sc	
GL00-28A-1	hww	15	0	85	0		q-m sc	
GL00-28A-2	hww	5	0	95	0		q-m-g-a sc	
GL00-29A-1	lo	10	0	90	0		q-m-f sc	
GL00-29A-2	lo	10	0	90	0		q-c-m sc	
GL00-30A	lo	0	0	0	100			md
GL00-31A	lo	50	0	50	0		q-c sc	
GL00-32B	lo	0	0	100	0		m sc	
GL00-33A	in	1	0	99	0	q-f po	m sc, gn	
GL00-33B	in	10	15	75	0	q-f po	q-m sc, gn	
GL00-34A	lo	1	0	99	0		g-q-m sc	
GL00-35A	lo	10	5	85	0	q-f po	c-q-a sc	
GL00-39A	in	5	0	95	0		q-m sc, gn	
GL00-39B	in	3	0	97	0		q-m sc, gn	
GL00-40A	in	85	0	15	0		g-q sc	

Sample number	Gravel unit	Q%	I%	M%	S%	Ign	Met	Sed
GL00-40B	lo	75	0	25	0		g-q sc	
GL00-41A	in	1	9	90	0		q-m sc	
GL00-42A	lo	1	99	0	0	gt		
GL00-43A	lo	2	0	98	0		gn, a-q-c sc	
GL00-44A	lo	5	45	50	0	gt	gn, q-g-m sc	
GL00-45A	lo	5	0	95	0		q-m-c sc, gn	
GL00-45B	lo	5	0	95	0		q-m sc, gn	
GL00-46A	lo	5	0	95	0		gn, q-m sc	
GL00-47B	lo	2	2	96	0	f po	q-m sc, gn	
GL00-48A	in	5	5	90	0	ap	gn, a sc	
GL00-48B	in	5	10	85	0	gt	gn, a-q sc	
GL00-50A	lo	5	0	95	0		am, a-q sc	
GL00-51A	lo	1	0	99	0		gn, q-m sc	
GL00-52A	lo	5	0	95	0		q-m-c sc	
GL00-53A	lo	5	0	95	0		gn, a-c-q sc	
GL00-54A	in	5	4	90	0	q-f po	g-q-m sc	
GL00-54D	in	35	0	65	0		q-m-g sc	
GL00-55A	lo	40	5	55	0	ap	q-m-c sc	
GL00-56A	lo	10	0	90	0		q-m sc	
GL01-3J	hww	99	0	1	0		qz	
GL01-3K	hww	99	0	1	0		qz	
GL01-3L	hww	98	0	2	0		g sc	
GL01-3M	hwy	55	0	45	1		q-c sc, gn	
GL01-12A	in	15	0	85	0	f po	q-m sc, gn	
GL01-12B	in	5	85	10	0	f-a po	q-m sc	
GL01-13A	lo	5	0	95	0		c sc	
GL01-14A	lo	10	5	85	0	f-a po	q-m-c-g sc	
GL01-15A	in	40	0	60	0		q-m sc, gn	
GL01-16A	hk	10	0	90	0		gn, q-m sc	
GL01-16B	hk	4	0	96	0		q-m sc, gn	
GL01-17A	lo	1	0	99	0		q-m sc	
GL01-18A	in	0	0	100	0		gn	
GL01-22C	lo	10	0	90	0	q po, gt	c-q sc	
GL01-23A	lo	5	45	50	0	f po, ap	gn, qz, m sc	
GL01-23C	lo	2	0	98	0		g sc	
GL01-25A	hw	60	0	40	0		g sc	

Sample number	Gravel unit	Q%	I%	M%	S%	Ign	Met	Sed
GL01-25B	hw	50	25	25	0	gt, ap	qz, q-m sc	
GL01-26A	lo	5	80	15	0	di, gd, ap	gn	
GL01-26B	lo	25	4	70	1	ap, a-f po	q-m sc	b ch
GL01-26E	lo	1	70	29	0	f po, di, ap	qz	
GL01-27A	lo	1	9	90	0	ap	c-q-g sc	
GL01-28A	in	50	10	40	0	ap	q-m sc	
GL01-29A	in	1	9	90	0	q po	c-q sc	
GL01-29B	in	5	15	80	0	ap	q-m sc, gn	
GL01-31A	hk	5	1	94	0	q po, ap	q-m sc, gn	

Sample number	Gravel unit	Q%	I%	M%	S%	Ign	Met	Sed
GL01-34A	lo	3	1	96	0	gd	q-m sc, gn	
GL01-37A	lo	1	0	99	0		q-m sc, gn	
GL01-38A	hww	10	0	90	0		m-q sc, qz	
GL01-41A	lo	1	0	99	0		m-q sc, gn	
GL01-42A	lo	1	50	19	30	f po, ap	qz, gn	
GL01-44A	lo	1	89	10	0	f po, ap	gn	
GL01-45A	in	15	0	85	0		q-m-c sc	
GL01-46B	lo	2	0	98	0		m sc	

Appendix 5: Heavy mineral analysis

Abbreviations

act: actinolite
apa: apatite
bio: biotite
cal: calcite
chl: chlorite
chlt: chloritoid
ens: enstatite
epi: epidote
flu: fluorite
gar: garnet
hem: hematite
hor: hornblende
hyp: hypersthene
kya: kyanite
mag: magnetite
mic: microcline
mus: muscovite
pla: plagioclase
pyr: pyrite
qtz: quartz
rk: rock
sch: scheelite
sil: sillimanite
sph: sphene
spi: spinel
zir: zircon

Sample number	Opaques	Nonopaques	Comments
GL97-1	mag, hem	hor, ens, gar, spi, zir	abundant rounded chert
GL97-30	mag	hor, zir, ens	mostly angular rk fragments
GL97-33	mag	ens	mostly angular qtz and mus
GL97-42	mag, hem	zir, epi, chlt, kya	mostly angular qtz
GL97-45	hem	ens	mostly subangular mus and rk fragments
GL98-7A	mag, hem, pyr	zir, ens	mostly qtz and rk fragments
GL98-8B	mag, hem, pyr	zir, ens, kya	mostly qtz and rk fragments
GL98-10A	mag, hem	gar, hor, ens, zir	angular mag
GL98-11C	mag, hem	gar, ens, kya, sph	rounded gar
GL98-11D	mag, hem	gar, hor, ens, kya	rounded gar
GL98-11E	mag, hem	gar, ens, hor, sph	abundant rk fragments
GL98-12A	mag, hem	gar, hor, ens, kya	mostly qtz
GL98-12B	mag, hem	gar, hor, ens	abundant rounded rk fragments
GL98-15A	mag, hem	gar, hor, chlt, ens, apa	euhedral garnets
GL98-16A	mag, hem	gar, hor, ens, sil	euhedral garnets
GL98-17B	mag, hem	gar, ens, kya, zir	mostly qtz and rk fragments
GL98-18B	mag, hem	gar, ens, hor, zir, sph	angular gar fragments
GL98-20A	mag	gar, zir, chlt	mostly rk fragments
GL98-21H	pyr, mag, hem	gar, ens, epi, hor	mostly qtz
GL98-26B	pyr, mag, hem	gar, ens, zir, chl	euhedral mag and pyr
GL98-27C	mag, hem	hor, ens, zir	mostly qtz
GL98-31B	mag, pyr	ens, zir	mostly qtz and rk fragments
GL98-35E	mag, hem	gar, sph, sch	angular mag fragments
GL98-35H	mag, hem	gar, hor, ens, sph	euhedral gar
GL98-38A	mag, hem	gar, hor, hyp, ens, zir	angular gar fragments
GL98-42F	mag, hem, pyr	–	rounded mag
GL98-44B	mag, hem	gar, epi, sph, zir	angular gar fragments
GL98-46C	mag, hem	gar, act, chl, sph, zir	mostly qtz
GL98-50A	mag, hem	gar, chlt, hor, zir, sph	abundant rk frags
GL98-56A	mag, hem	zir, hor, chlt, epi	–
GL99-4A	mag, hem	ens, hor, zir	abundant angular quartz
GL99-5B	hem, mag, pyr	zir, sph	mostly qtz and rk fragments
GL99-6A	hem, mag, pyr	horn, ens, cal, zir	mostly altered rk fragments

Sample number	Opaques	Nonopaques	Comments
GL99-8A	hem, pyr, mag	zir	mostly rk fragments
GL99-17A	pyr, mag, hem, gold	gar, hor, ens, cal, sch, zir	most grains angular
GL99-18A	mag, hem	gar, hor, ens	–
GL99-19A	mag, hem, gold	ens, hor	mostly subangular qtz
GL99-20A	mag, hem	zir	mostly subangular qtz
GL99-21A	hem, mag	zir	mostly subangular qtz and rk fragments
GL99-22A	hem, mag	ens, gar, hor, spi	mostly subangular qtz and rk fragments
GL99-23B	mag	ens, hor, zir	mostly subangular qtz
GL99-25A	mag, hem	gar, ens, hor, act, epi	abundant angular qtz
GL99-25B	mag, hem, pyr	gar, hor, act, sph	rounded mag, subangular qtz
GL99-26C	mag, hem	hyp, hor, gar, chl, zir	abundant angular qtz
GL99-27A	mag, hem	hor, act, ens	abundant angulat qtz, pla,and rk fragments
GL99-28A	mag, hem	gar, hor, ens, sph, zir	most grains angular
GL99-29A	mag, hem, gold	gar, ens, hor	abundant angular qtz
GL99-33B	pyr, mag, hem, gold	hyp, zir	mostly subangular qtz and rk fragments
GL99-34A	mag, hem, gold	gar, hyp	mostly subamgular qtz and rk fragments
GL99-35A	mag, hem	gar, hyp, act, sph, zir	abundant subangular qtz and rk fragments
GL99-35E	mag, pyr, hem	gar, hor, sph	mostly subangular qtz and rk fragments
GL99-36A	mag, hem	gar, hyp, chlt, zir, sph	abundant subangular qtz and rk fragments
GL99-36B	mag, gold	–	–
GL99-37A	mag, hem, pyr	hyp, chl, gar, zir, sph	subangular qtz and rk fragments
GL99-38A	mag, hem, pyr	hyp, chtl, gar, spy	rounded and euhedral mag
GL99-39A	mag, hem, pyr	hyp, chl, chlt, gar	abundant subangular qtz and rk fragments
GL99-42A	mag, hem	ens, hor, act, zir	most grains angular
GL99-43A	mag, hem	ens, hor, zir	angular qtz, pla and rk gragments
GL99-45A	mag, hem	hor, ens, chlt, zir	euhedral mag, sugangular qtz
GL99-46A	mag	bio, hor	abundant subhedral qtz, and pla
GL99-47A	mag	bio, hor	angular mag
GL99-48A	mag, hem	hyp, gar	subangular qtz and rk fragments
GL99-49A	mag, hem	gar, hyp, act, zir, sch	abundant subangular qtz and rk fragments
GL99-49C	mag, hem, pyr	gar, sph, apa, hyp	rounded mag
GL99-53A	mag, hem	gar, hyp, hor, zir, sch	subangular qtz and rk fragments
GL99-53B	mag, hem	gar, ens, chlt, zir, sph	subangular qtz, pla and rk fragments
GL99-55A	mag, hem	gar, hor, ens, sph, zir	rounded mag
GL99-56B	mag	gar, ens, chlt, sph	abundant subangular qtz and rk fragments
GL99-57A	mag, hem	gar, hor, zir	rounded mag and subangular qtz
GL99-58C	mag, hem, pyr	chl, ens, gar	abundant subangular qtz and rk fragments
GL99-60B	mag	ens, kya, zir, chlt	mostly subangular qtz and rk fragments
GL00-2A	hem, mag	gar, ens, chl, hyp, sph	abundant subangular qtz and rk fragments
GL00-2B	mag, hem	gar, chl, ens	mostly subangular qtz and rk fragments
GL00-3A	mag, hem, pyr	ens, chlt, act, epi	angular mag
GL00-4A	hem, mag	ens, chl, epi, flu	mostly subangular qtz and rk fragments
GL00-5A	mag, hem	ens, gar, chlt, sph, zir	–
GL00-6A	hem, mag	ens, chlt, epi, kya	mostly subangular qtz and rk fragments
GL00-7A	hem, mag	ens, gar, chlt, kya	mostly subangulat qtz, pla and rk fragments
GL00-8A	mag, hem	ens, gar, chl	subrounded qtz and rk fragments
GL00-9A	mag, hem, pyr	hor, ens, gar, sph	angular mag

Sample number	Opaques	Nonopaques	Comments
GL00-10A	mag, hem	gar, ens, epi, chlt	subangular qtz and rk fragments
GL00-11A	hem, mag	gar, ens, chlt, zir	subangular qtz, pla and rk fragments
GL00-12A	mag, hem	gar, ens, chlt, hor, zir	abundant angular qtz and rk fragments
GL00-13A	mag, hem	gar, ens, hor, chlt	subangular qtz and rk fragments
GL00-15A	mag, hem	gar, ens, hor, cal, epi	euhedral mag
GL00-17A	mag, hem	ens, hor, epi, zir	subangular qtz and rk fragments
GL00-18A	mag	gar, hor, ens, sph	subangular mag
GL00-19A	mag, hem	hor, ens, chlt, gar, epi	subangular qtz, pla and rk fragments
GL00-20A	mag, hem	gar, hor, ens, zir, sph	subangular qtz, pla and rk fragments
GL00-21A	mag, hem	gar, hor, ens, zir	subangular qtz and rk fragments
GL00-22A	mag, hem	gar, hor, ens, sph, zir	grains subangular
GL00-23A	mag, hem	hor, ens, gar, kya, epi	euhedral mag
GL00-24A	mag, hem	gar, ens, hor, epi	subrounded pla and rk fragments
GL00-25A	hem, mag	ens, hor, gar, chlt, sph	abundant subangular qtz and rk fragments
GL00-25B	hem, mag	ens, gar, epi, hor, spi	subangular rk fragments
GL00-26A	hem, mag	ens, gar, hor	subrounded qtz and rk fragments
GL00-27A	hem, mag	ens	mostly angular rk fragments
GL00-28A	hem, mag	ens, chlt, zir	angular qtz and rk fragments
GL00-29A	mag, hem	ens, epi, zir	subangular rk fragments
GL00-30A	hem, mag	epi, hor	abundant rounded rk fragments
GL00-31A	mag, hem	ens, chl, zir	mostly subangular qtz and rk fragments
GL00-32B	hem, mag	–	mostly subangular qtz and rk fragments
GL00-33A	mag, hem	gar, hor, ens, zir, epi	–
GL00-33B	mag, hem	gar, hor, ens, sph	subangular qtz, pla and rk fragments
GL00-34A	hem, mag	gar, ens	mostly subangular qtz and rk fragments
GL00-35A	mag, hem, pyr	ens, hor, gar, epi	rounded mag
GL00-36A	mag, hem	gar, hor, ens	mostly subangular qtz and rk fragments
GL00-38A	mag, hem	gar, hor, ens, sph, zir	subangular qtz, pla and rk fragments
GL00-39A	mag, hem	gar, hor, ens, epi	mostly subangular qtz, pla and rk fragments
GL00-39B	mag, hem	gar, hor, ens, kya, zir	subangular qrz and rk fragments
GL00-40A	mag	gar, ens, sph, zir	–
GL00-40B	mag, hem	gar, ens, epi, hor	mostly subangular grains
GL00-41A	hem, mag	ens, hor	mostly subangular rk fragments
GL00-42A	mag, hem	gar	mostly subangular qtz, pla and rk fragments
GL00-43A	mag	hor, gar, epi, ens	angular mag
GL00-44A	hem, mag	ens, epi, gar, sph	mostly subangular rk fragments
GL00-45A	mag, hem	gar, hor, ens	angular grains
GL00-45B	mag, hem	gar, hor, ens, epi	angular grains
GL00-46A	mag, hem	hor, gar, epi	subangular mag
GL00-47B	mag, hem	hor, gar, ens	angular grains
GL00-48A	mag, hem	hor, gar	angular grains
GL00-48B	pyr, mag	hor, gar, ens	angular grains
GL00-49A	mag, hem	gar, hor, ens, sph	angular grains
GL00-50A	mag	hor, gar, epi	angular grains
GL00-51A	mag	gar, hor	subangular grains
GL00-52A	mag, hem	gar, hor, sph	subangular grains
GL00-53A	mag, hem	gar, hor, sph, zir	subangular grains

Sample number	Opaques	Nonopaques	Comments
GL00-54A	hem, mag	gar, zir, sph	subrounded gar
GL00-54B	mag, hem	gar, cal, hor	mostly subangular rk fragments
GL00-54D	mag, hem	gar, hor, epi	subangular grains
GL00-55A	mag, hem	gar, hor, ens, epi, sph	mostly subangular qtz and rk fragments
GL00-56A	hem, mag	ens, zir, hor	mostly subangular qtz and rk fragments
GL01-3J	mag	zir	mostly subangular qtz and rk fragments
GL01-3K	mag, hem	sph, mic	mostly subangular qtz and mic fragments
GL01-11	mag, pyr, hem, gold	ens, zir, sph, kya, sch	angular gold
GL01-12A	hem, mag	hr, gar, epi	subangular grains
GL01-12B	hem, mag	gar, hor	subangular grains
GL01-13A	hem, mag	ens chl, epi	mostly subangular rk fragments
GL01-14A	hem, mag	ens, zir, sph, hor, kya	mostly subangular rk fragments
GL01-15A	mag, hem	gar, hor, epi, kya	abundant subangular qtz and rk fragments
GL01-16A	mag	hor, ens, gar, zir, epi	abundant angular qtz and rk fragments
GL01-16B	mag, hem	gar, hor, sph, chl	subangular qtz
GL01-17A	hem, mag	hor, chlt	mostly subangular qtz and rk fragments
GL01-18A	mag, hem	gar, sch	mostly subangular rk fragments
GL01-22C	mag, hem	gar, hor, zir, kya, ens	–
GL01-23A	mag, pyr, hem	ens, epi, kya, zir	mostly subangular qtz and rk fragments
GL01-23C	mag, hem	zir, cal	mostly subangular qtz and rk fragments
GL01-25A	mag, hem	gar, ens, epi, hor, zir	mostly subangular qtz and rk fragments
GL01-25B	mag, hem	hor, gar, sph, zir	mostly subangular qtz and rk fragments
GL01-26A	mag, hem	hor, zir, kya	mostly rounded rk fragments
GL01-26B	mag, hem	hor, zir, epi, ens	mostly subangular qtz, pla and rk fragments
GL01-26E	hem, pyr	gar, kya, ens	mostly subrounded rk fragments
GL01-27A	mag, pyr, hem	gar, hor, cal, epi	mostly subangular qtz and rk fragments
GL01-28A	hem, mag	gar, ens, zir	mostly subangular qtz and rk fragments
GL01-29A	mag, hem	hor, gar, sph, ens, epi	–
GL01-29B	hem, mag	gar, hor, ens, epi	mostly subangular qtz and rk fragments
GL01-31A	mag, hem	gar, hor, ens	–
GL01-33A	hem, mag	zir	mostly subangular qtz and rk fragments
GL01-34A	mag, hem	gar, hor, ens, epi	mostly subangular qtz, pla and rk fragments
GL01-37A	mag, hem	hor, ens, gar, kya, sph	angular grains
GL01-38A	mag, hem	hor, ens, zir	mostly subangular rk fragments
GL01-41A	mag, hem	gar, hor, sph, ens, zir	subangular grains
GL01-42A	mag, hem	gar, ens, zir, sph, hor	mostly subrounded rk fragments
GL01-44A	mag, hem	hor, ens, gar, zir	mostly rounded rk fragments
GL01-45A	mag, hem, gold	hor, gar, chl, zir	angular gold
GL01-46A	hem, pyr, mag	zir, epi	subangular qtz and rk fragments
GL01-46B	hem, pyr, mag	ens	mostly subangular rk fragments

Appendix 6: Radiocarbon dates

Sample number	Laboratory number	Material	Conventional C^{14} age	Calculated (Cal) calendar years
DF98-59	Beta-128237	wood	48 370 ± 1400 BP	–
DF98-69	Beta-134622	wood	>49 440 BP	–
DF98-71	Beta-128238	wood	>45 930 BP	–
GL42-1	GX- 23869	wood	>41 250 BP	–
GL97-37	Beta-128239	wood	46 320 ± 1100 BP	–
GL98-54A	Beta-158228	limestone	19 770 ± 80 BP	–
GL99-24	Beta1-34623	wood	>47 310 BP	–
GL99-26B	Beta-134624	wood	4430 ± 70 BP	Cal BC 3355 to 2900
GL99-30B	Beta-134625	wood	1120 ± 50 BP	Cal AD 785 to 1010
GL99-45B	Beta-134626	wood	650 ± 50 BP	Cal AD 1275 to 1410
GL99-58B	Beta-134627	wood	>49 000 BP	–
GL99-59A	Beta-134628	wood	111.7 ± 0.9% modern	–
GL99-59B	Beta-134629	wood	143.4 ± 1.5% modern	–
GL99-59C	Beta-134630	wood	340 ± 60 BP	Cal AD 1435 to 1660
GL00-5C	Beta-165746	wood	7340 ± 50 BP	Cal BC 6250 to 6070
GL00-8B(1)	Beta-158229	wood	4690 ± 40 BP	Cal BC 3630 to 3570
GL00-8B(2)	Beta-165747	wood	4500 ± 60 BP	Cal BC 3370 to 3000
GL00-9B	Beta-147326	wood	8120 ± 80 BP	Cal BC 7330 to 7010
GL00-10B	Beta-147327	wood	>42 160 BP	–
GL00-11B	Beta-147328	wood	>43 690 BP	–
GL00-12B	Beta-158230	wood	9420 ± 60 BP	Cal BC 9080 to 9040
GL00-14D	Beta-147329	limestone	18 560 ± 70 BP	–
GL00-18B	Beta-147330	wood	4770 ± 70 BP	Cal BC 3670 to 3370
GL00-27B	Beta-147331	wood	4130 ± 70 BP	Cal BC 2890 to 2480
GL00-33C	Beta-147332	wood	158.97 1.04	–
GL00-34B	Beta-158231	wood	1540 ± 80 BP	Cal AD 370 to 660
GL00-37A	Beta-147333	sediment	6620 ± 60 BP	–
GL00-41B	Beta-147334	wood	105.2 ± 0.7% modern	–
GL00-43B	Beta-158232	wood	2320 ± 40 BP	Cal BC 410 to 360
GL00-45C	Beta-165748	wood	8100 ± 50 B	Cal BC 7180 to 7040
GL00-47C	Beta-147335	wood	6150 ± 70 BP	Cal BC 5290 to 4900
GL00-47D	Beta-147336	bone collagen	11 790 ± 40 BP	–
GL00-52B	Beta-165749	wood	7690 ± 60 BP	Cal BC 6640 to 6430
GL00-54C	Beta-147337	wood	>43 810 BP	–
GL00-54E	Beta-147338	wood	122.4 ± 0.9% modern	–
GL00-55B	Beta-143739	wood	>54 890 BP	–
GL01-14B	Beta-158233	wood	4820 ± 60 BP	Cal BC 3700 to 3510
GL01-22D(1)	Beta-158234	wood	6910 ± 50 BP	Cal BC 5880 to 5710
GL01-22D(2)	Beta-165750	wood	7060 ± 60 BP	Cal BC 6020 to 5800
GL01-23B	Beta-158235	wood	6500 ± 60 BP	Cal BC 5540 to 5340
GL01-26F(1)	Beta-158236	wood	210 ± 40 BP	Cal AD 1640 to 1690
GL01-26F(2)	Beta-165751	wood	210 ± 60 BP	Cal AD 1520 to 1580
GL01-36A	Beta-158237	limestone	20 240 ± 90 BP	–
GL01-37B	Beta-170057	wood	170 ± 60 BP	Cal AD 1640 to 1950

Sample number	Laboratory number	Material	Conventional C^{14} age	Calculated (Cal) calendar years
GL01-40A	Beta-158238	limestone	>41 050 BP	–
GL01-40B	Beta-158239	limestone	40 920 ± 2310 BP	(multiple components of different age)
GL01-40B	Beta-158239	limestone	32 950 ± 520 BP	(multiple components of different age)

Appendix 7

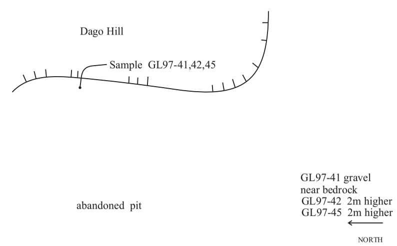
Station descriptions, Klondike River drainage

GL98-03 129
GL97-41,42,45 129
GL98-04 129
GL98-05 130
GL98-06 130
GL98-07 131
GL98-20 131
GL98-09 131
GL98-31 132
GL98-45 132
GL99-23 133
GL98-51 133
GL99-60 134
GL00-06 134
GL00-28 135
GL01-02 135
GL01-38 136
GL01-24 136
GL98-01 137
GL98-02 137
GL98-08 138
GL98-19 138
GL99-22 139
GL00-26 140
GL01-03 140
GL01-16 141
GL01-15 142
GL01-18 143
GL01-28A 143
GL01-45 144
GL99-58 145
GL00-03 146
GL00-04 147
GL00-15 148
GL00-27 149
GL00-29 150
GL00-30 151
GL00-31 152
GL00-32 152
GL01-17 153
GL01-23 154
GL01-26 155
GL01-27 156
GL01-41 157
GL01-42 157
GL01-46 158

STATION

NTS/Map 116 B/3 — Dawson
Stratigraphy/Age Pliocene — High-level gravel: White Channel Gravel
Creek/River Last Chance Creek, Dago Hill
Glacial Interval Unglaciated
Tributary to Hunker Creek
Land form High-level terrace, paleofloodplain
Lat/Long 64 01 00 / 139 07 00
Bedrock Not exposed
Owner/Operator abandoned
Alteration
Other Classic expossure of White Channel Gravel.

SITE PLAN



Station GL97-41,42,45 Date Sept. 3, 1997 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map Grand Forks — 115 O/14
Stratigraphy/Age Pliocene — High-level gravel: White Channel Gravel
Creek/River Bonanza Creek, Gold Hill
Glacial Interval Unglaciated
Tributary to Klondike River
Land form High-level terrace, paleofloodplain
Lat/Long 63 55 10 / 139 19 45
Bedrock Not exposed
Owner/Operator None
Alteration
Other Sample GL98-3A ~3m above bedrock.

SITE PLAN

NORTH

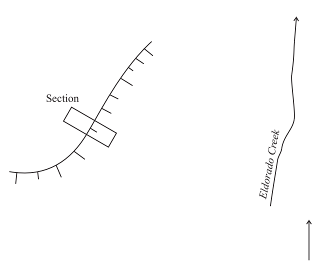
Station GL98-3 Date June 25, 1998 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 O/14
Stratigraphy/Age Late Pliocene — High-level gravel: White Channel Gravel
Creek/River Bonanza Hill, French Hill
Glacial Interval Unglaciated
Tributary to Klondike River
Land form High-level terrace, paleofloodplain
Lat/Long 63 54 00 / 139 19 00
Bedrock Graphite schist
Owner/Operator John Archibald
Alteration
Other Fineness 631-750, gold coarse, with 60% larger than 12 mesh.
Classic exposure of White Channel Gravel.

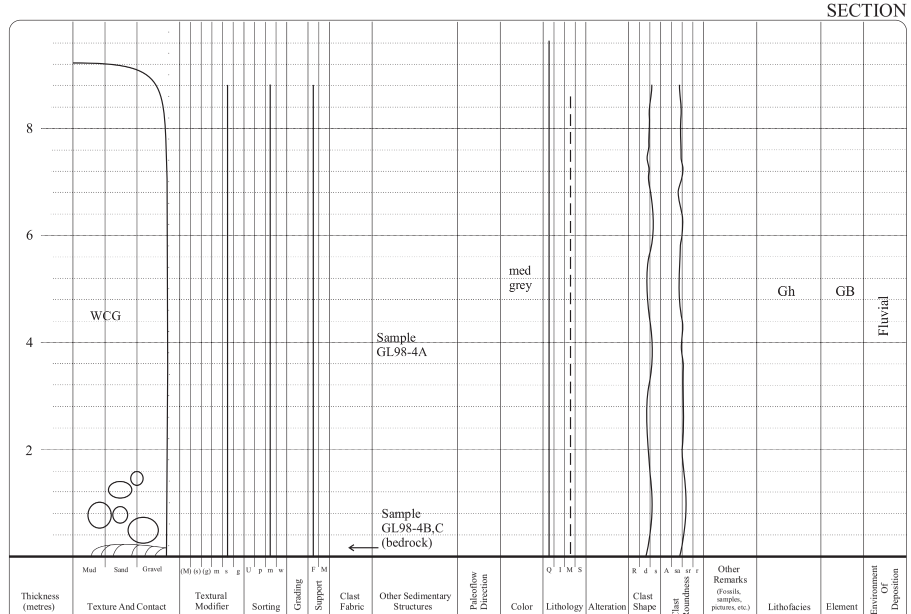
SITE PLAN



Station GL98-4 Date June 25, 1998 Section 4S Panel No

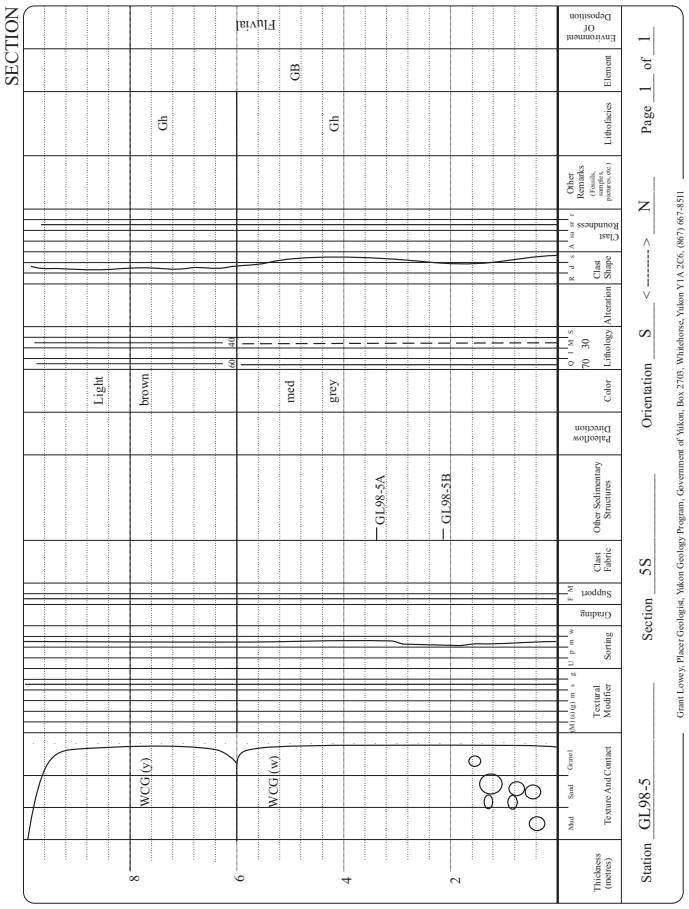
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

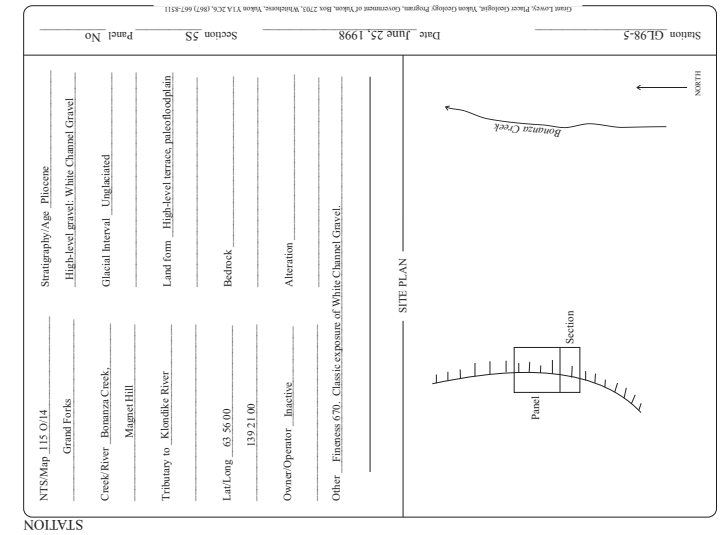
SECTION



Station GL98-4 Section 4S Orientation S < --------> N Page 1 of 1

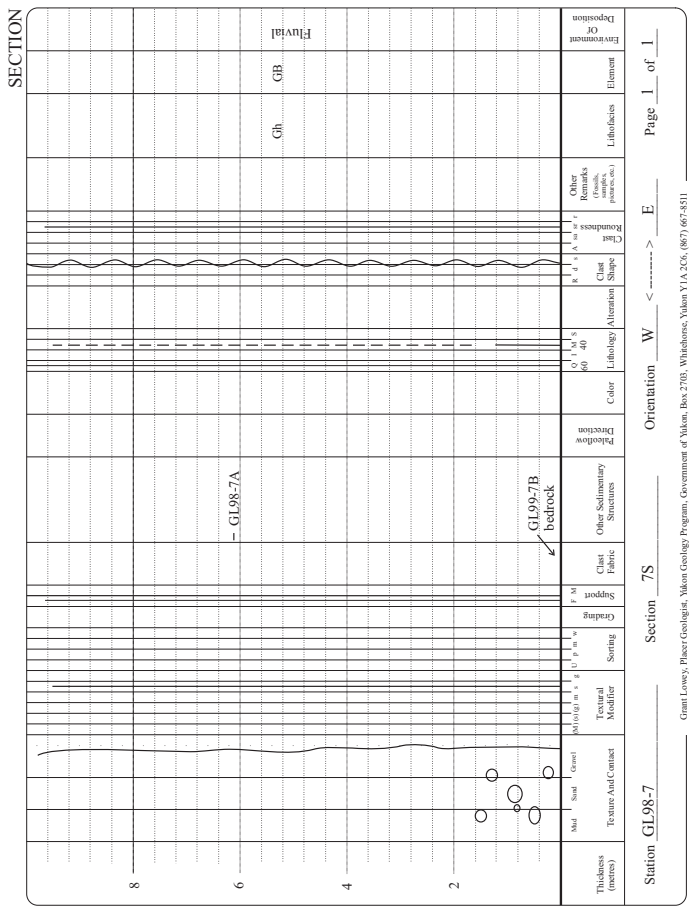
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

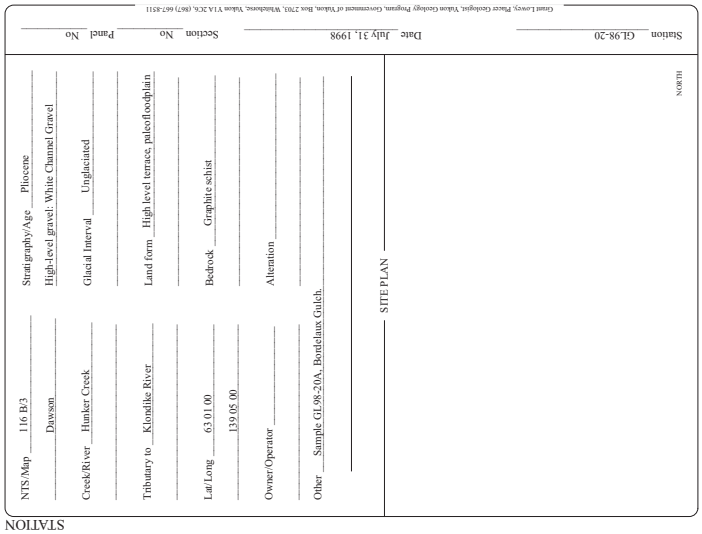

SECTION
Station GL98-5
Section 5S
Orientation S < ------ > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Cratdng
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, porosity, etc)
Lithofacies
Element
Environment Of Deposition
WCG (y)
WCG (w)
Light brown
med grey
GL98-5A
GL98-5B
Gh
GB
Fluvial

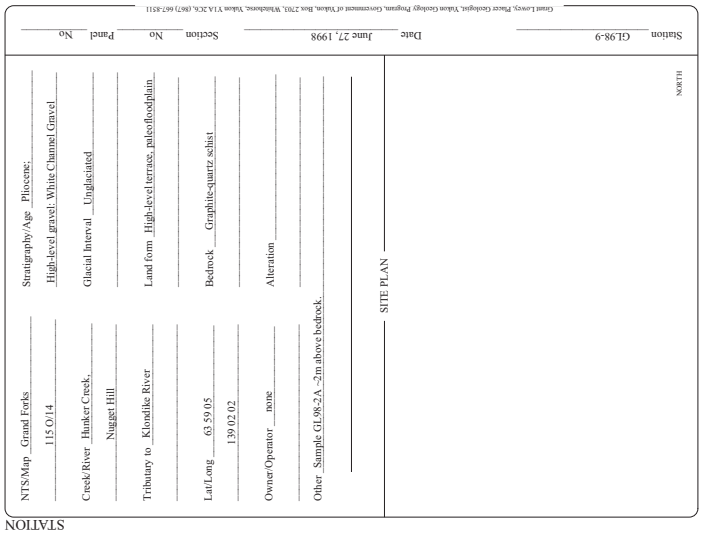

STATION
Station GL98-5
Date June 25, 1998
Section 5S
Panel No
NTS/Map 115 O/14
Stratigraphy/Age Pliocene
Grand Forks
High-level gravel; White Channel Gravel
Creek/River Bonanza Creek,
Magnet Hill
Glacial Interval Unglaciated
Tributary to Klondike River
Land form High-level terrace, paleofloodplain
Bedrock
Lat/Long 63 56 00
139 21 00
Alteration
Owner/Operator Inactive
Other Fineness 670. Classic exposure of White Channel Gravel.
SITE PLAN
NORTH
Bonanza Creek
Section
Panel
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

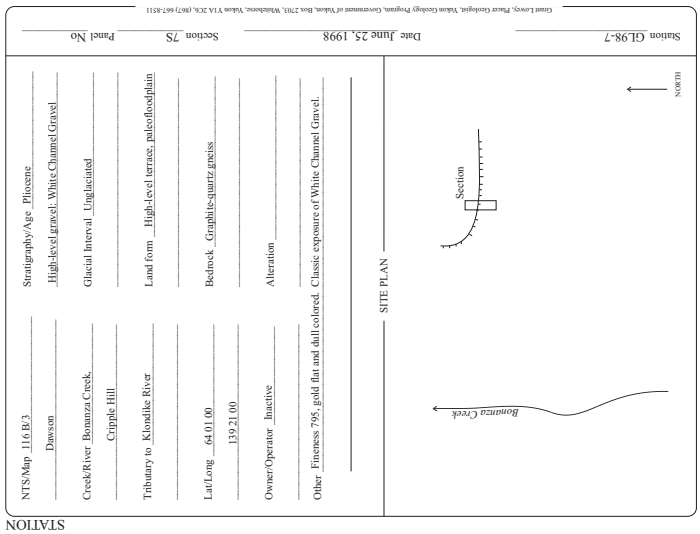
SECTION
Station GL98-6
Section 6S
Orientation S < ------ > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Cratdng
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, porosity, etc)
Lithofacies
Element
Environment Of Deposition
med
grey
GL98-6A
GL98-6B bedrock
Gh
GB
Fluvial

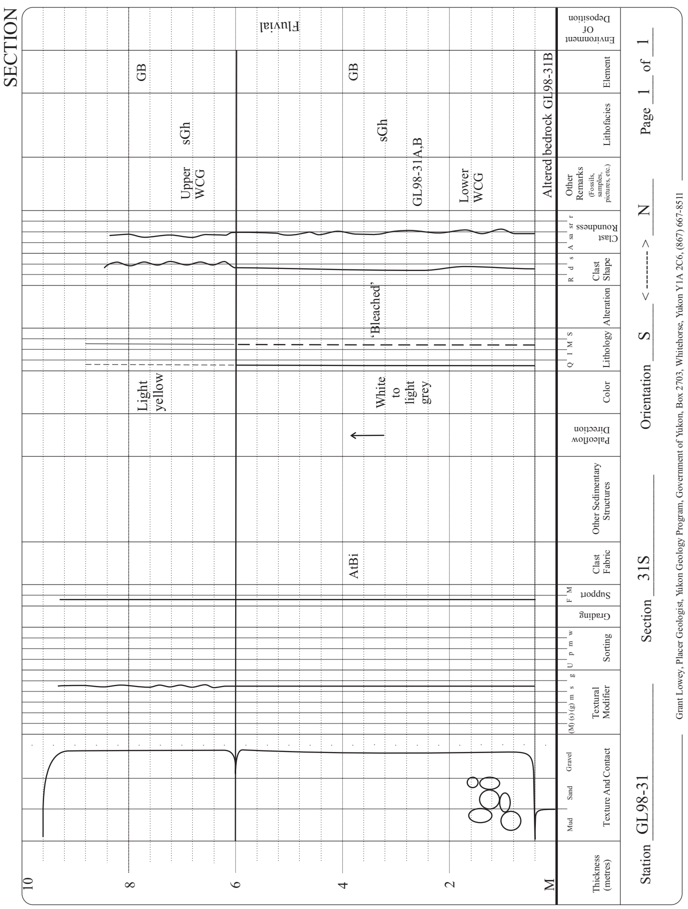
STATION
Station GL98-6
Date June 25, 1998
Section 6S
Panel No
NTS/Map 115 O/14
Stratigraphy/Age Pliocene
Grand Forks
High-level gravel; White Channel Gravel
Creek/River Bonanza Creek,
American Hill
Glacial Interval Unglaciated
Tributary to Klondike River
Land form High-level terrace, paleofloodplain
Bedrock Augen gneiss-schist
Lat/Long 63 57 00
139 21 00
Alteration
Owner/Operator Inactive
Other Fineness 864, most gold was bright fines smaller than number 10 mesh, but a few angular, rough nuggets. Classic exposure of White Channel Gravel.
SITE PLAN
NORTH
Bonanza Creek
Section
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

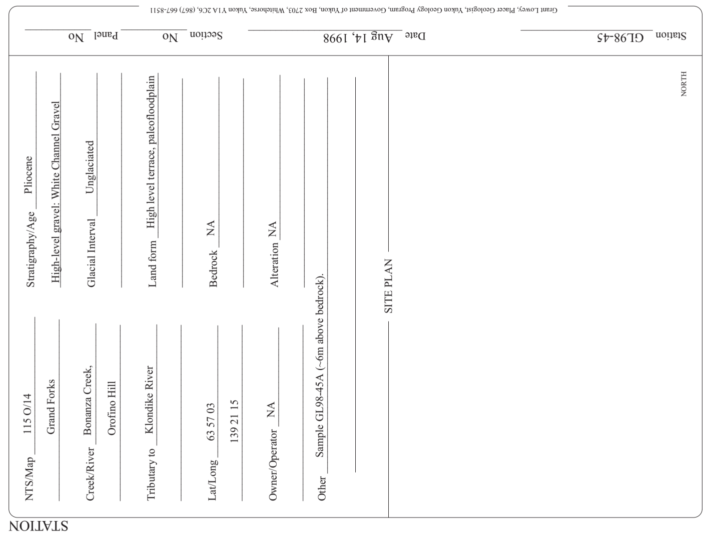

SECTION
Station GL98-7
Section 7S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleocurrent Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Mud
Sand
Gravel
GL98-7A
GL99-7B bedrock
Gh
GB
Fluvial
8
6
4
2

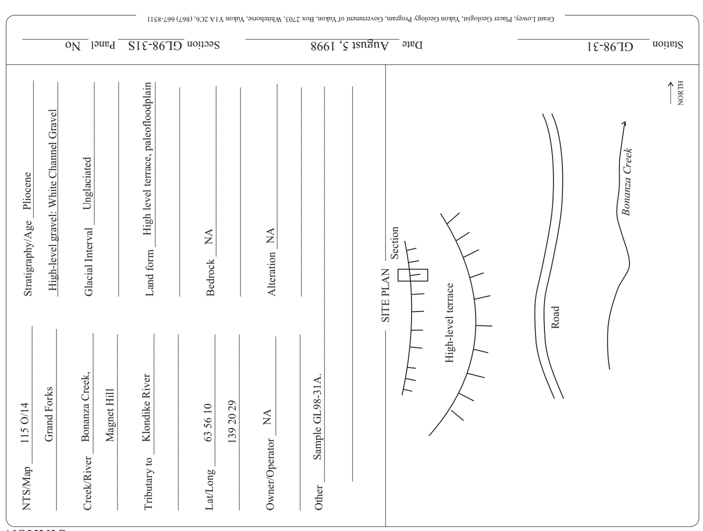

STATION
NTS/Map 116 B/3
Dawson
Creek/River Hunker Creek
Tributary to Klondike River
Lat/Long 63 01 00
139 05 00
Owner/Operator
Other Sample GL98-20A, Bordelaux Gulch.
Stratigraphy/Age Pliocene
High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High-level terrace, paleofloodplain
Bedrock Graphite schist
Alteration
SITE PLAN
NORTH
Station GL98-20
Date July 31, 1998
Section No
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

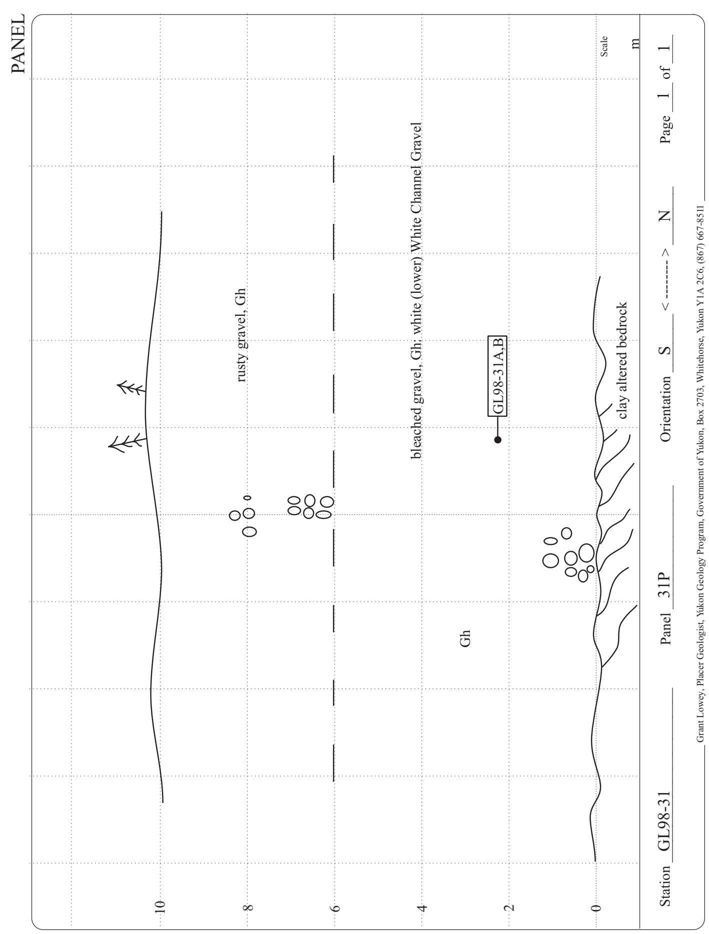

STATION
NTS/Map Grand Forks
115 O/14
Creek/River Hunker Creek,
Nugget Hill
Tributary to Klondike River
Lat/Long 63 59 05
139 02 02
Owner/Operator none
Other Sample GL98-2A ~2m above bedrock.
Stratigraphy/Age Pliocene;
High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High-level terrace, paleofloodplain
Bedrock Graphite-quartz schist
Alteration
SITE PLAN
NORTH
Station GL98-9
Date June 27, 1998
Section No
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

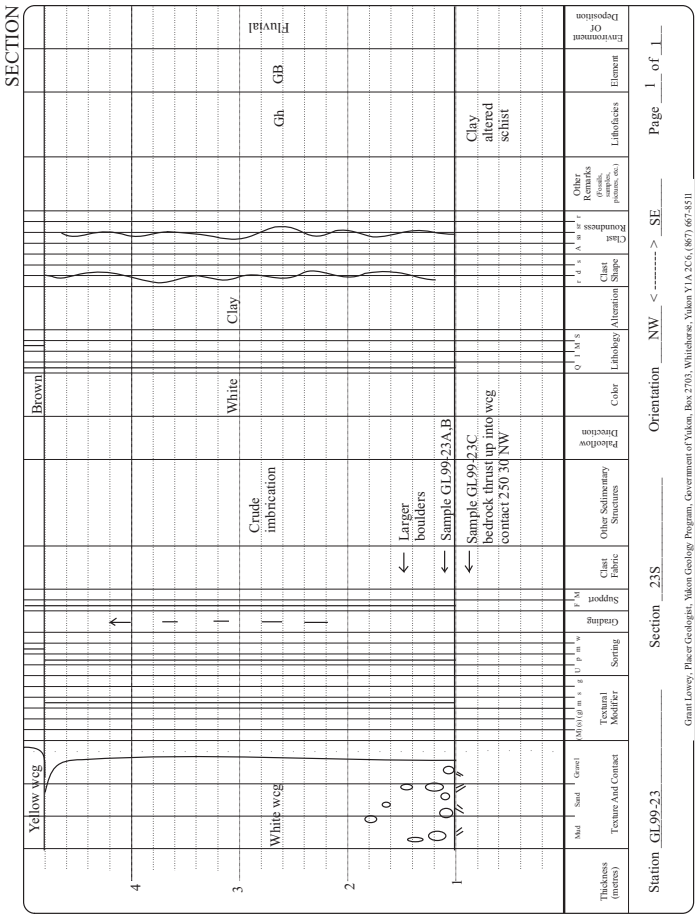

STATION
NTS/Map 116 B/3
Dawson
Creek/River Bonanza Creek,
Cripple Hill
Tributary to Klondike River
Lat/Long 64 01 00
139 21 00
Owner/Operator Inactive
Other Fineness 795, gold flat and dull colored. Classic exposure of White Channel Gravel.
Stratigraphy/Age Pliocene
High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High-level terrace, paleofloodplain
Bedrock Graphite-quartz gneiss
Alteration
SITE PLAN
Bonanza Creek
Section
NORTH
Station GL98-7
Date June 25, 1998
Section 7S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL98-31
Section 31S
Orientation S <-------> N
Page 1 of 1
Fluvial
GB
sGh
Upper WCG
Light yellow
GB
sGh
GL98-31A,B
Lower WCG
'Bleached'
White to light grey
AtBi
Altered bedrock GL98-31B
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, sample, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL98-45
Date Aug 14, 1998
Section No
Panel No
NTS/Map 115 O/14 Grand Forks
Creek/River Bonanza Creek, Orofino Hill
Tributary to Klondike River
Lat/Long 63 57 03 139 21 15
Owner/Operator NA
Other Sample GL98-45A (~6m above bedrock).
Stratigraphy/Age Pliocene High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High level terrace, paleofloodplain
Bedrock NA
Alteration NA
SITE PLAN
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL98-31
Date August 5, 1998
Section GL98-31S
Panel No
NTS/Map 115 O/14 Grand Forks
Creek/River Bonanza Creek, Magnet Hill
Tributary to Klondike River
Lat/Long 63 56 10 139 20 29
Owner/Operator NA
Other Sample GL98-31A.
Stratigraphy/Age Pliocene High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High level terrace, paleofloodplain
Bedrock NA
Alteration NA
SITE PLAN
Section
High-level terrace
Road
Bonanza Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
rusty gravel, Gh
bleached gravel, Gh; white (lower) White Channel Gravel
GL98-31A,B
clay altered bedrock
Gh
Scale
m
Station GL98-31
Panel 31P
Orientation S <-------> N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511



STATION

NTS/Map 115 O/14
Stratigraphy/Age Pliocene
Grand Forks
High-level gravel: White Channel Gravel
Creek/River Bonanza Creek,
American Hill
Glacial Interval Unglaciated
Tributary to Klondike River
Land form High-level terrace, paleofloodplain
Lat/Long 63 56 44
139 20 49
Bedrock NA
Alteration NA
Owner/Operator NA
Other Sample GL98-51A (~4m above bedrock).

SITE PLAN

NORTH

Station GL98-51
Date Aug 20, 1998
Section No
Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

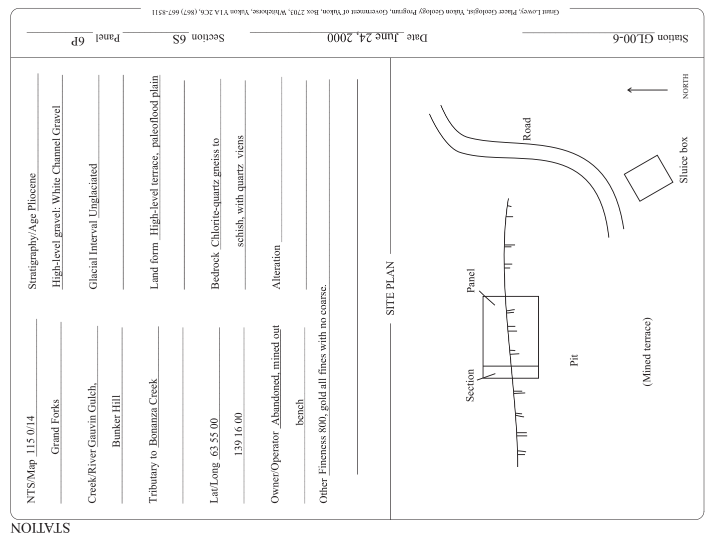
NTS/Map 115 O/14
Stratigraphy/Age Pliocene (late)
Grand Forks
High-level gravel:White Channel Gravel
Creek/River Hunker Creek,
Pleasure Hill
Glacial Interval Unglaciated
Tributary to Klondike River
Landform High-level terrace, paleofloodplain
Lat/Long 64 00 00
139 05 00
Bedrock Schist
Alteration Chlorite
Owner/Operator Abandoned
Other Fineness 810, gold reported to be bright yellow, round and rough. White Channel Gravel.

SITE PLAN

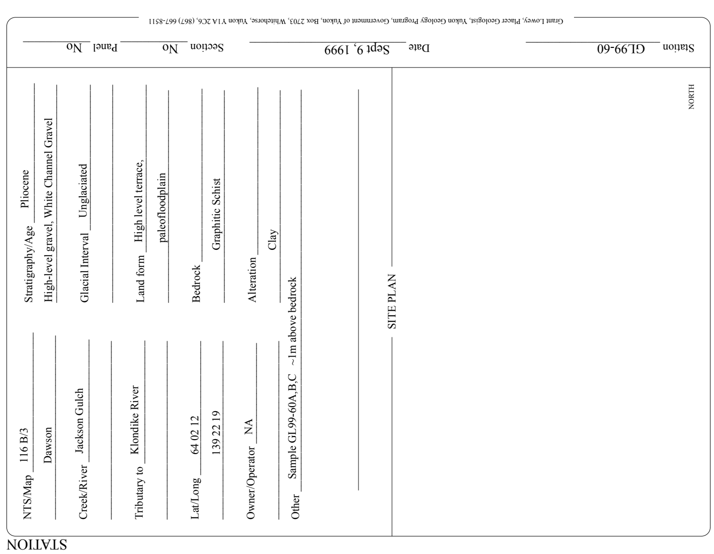
Section
Pit
Road
NORTH

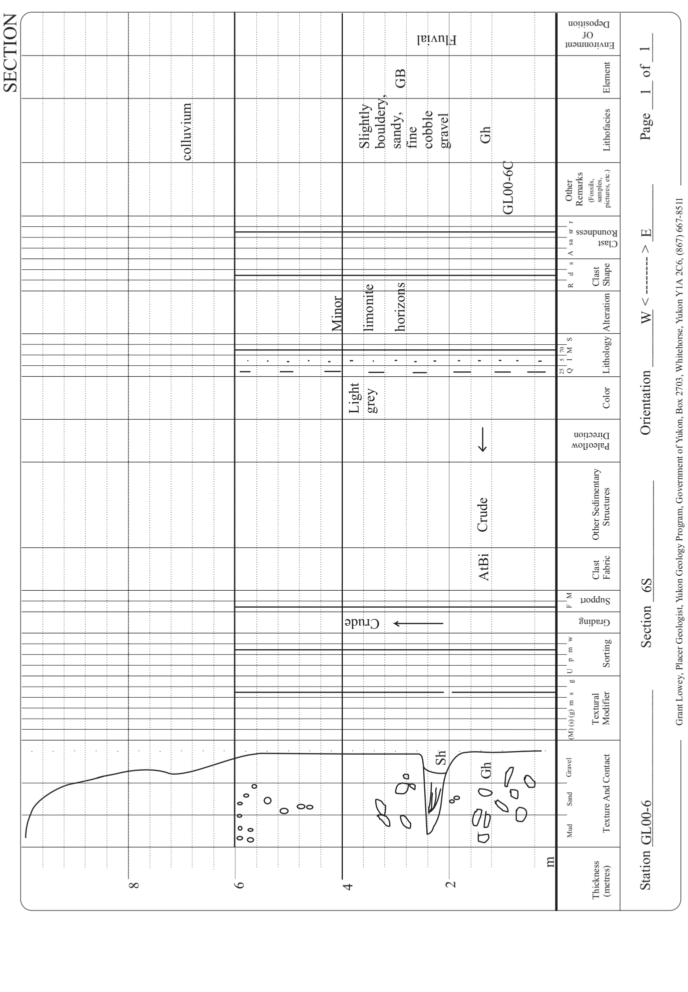
Station GL99-23
Date June 30, 1999
Section 23S
Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL00-6
Date June 24, 2000
Section 6S
Panel 6P
NTS/Map 115 0/14
Grand Forks
Creek/River Gauvin Gulch,
Bunker Hill
Tributary to Bonanza Creek
Lat/Long 63 55 00
139 16 00
Owner/Operator Abandoned, mined out
bench
Other Fineness 800, gold all fines with no coarse.
Stratigraphy/Age Pliocene
High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High-level terrace, paleoflood plain
Bedrock Chlorite-quartz gneiss to
schish, with quartz viens
Alteration
SITE PLAN
Road
Sluice box
NORTH
Panel
Section
Pit
(Mined terrace)
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
colluvium
weathered surface(?)
paleoflow
GL00-6A
coarse cobbles
Gh
Sh
Station GL00-6
Panel 6P
Orientation W <--------> E
Page 1 of 1
Scale m
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL99-60
Date Sept 9, 1999
Section No
Panel No
NTS/Map 116 B/3
Dawson
Creek/River Jackson Gulch
Tributary to Klondike River
Lat/Long 64 02 12
139 22 19
Owner/Operator NA
Other Sample GL99-60A,B,C ~1m above bedrock
Stratigraphy/Age Pliocene
High-level gravel, White Channel Gravel
Glacial Interval Unglaciated
Land form High level terrace,
paleofloodplain
Bedrock Graphitic Schist
Alteration Clay
SITE PLAN
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
colluvium
Slightly bouldery, sandy, fine cobble gravel
GB
Gh
GL00-6C
Fluvial
Minor limonite horizons
Light grey
Crude
AtBi
Crude
Sh
Gh
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Station GL00-6
Section 6S
Orientation W <--------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

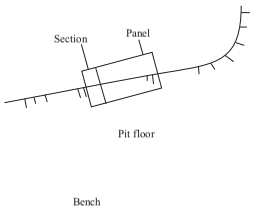
NTS/Map 115 O/14
Grand Forks
Creek/River 15 Pup
Tributary to Last Chance Creek
Lat/Long 63 59 00
139 08 30
Owner/Operator Abandoned
Other Fineness 675.

Stratigraphy/Age Pliocene
High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High-level terrace, paleofloodplain
Bedrock Graphite schist
Alteration Bleaching

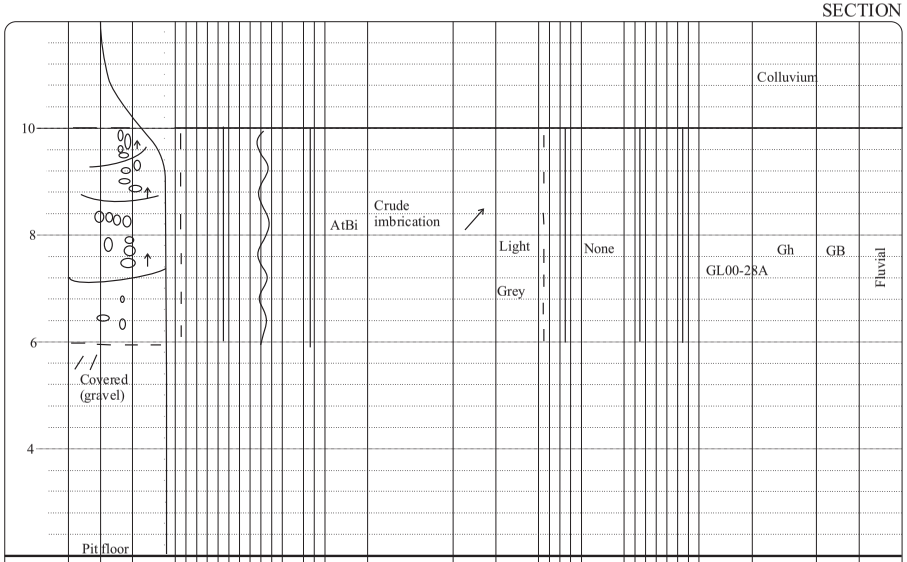
Panel 28P
Section 28S
Date July 20, 2000
Station GL00-28

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SITE PLAN



SECTION

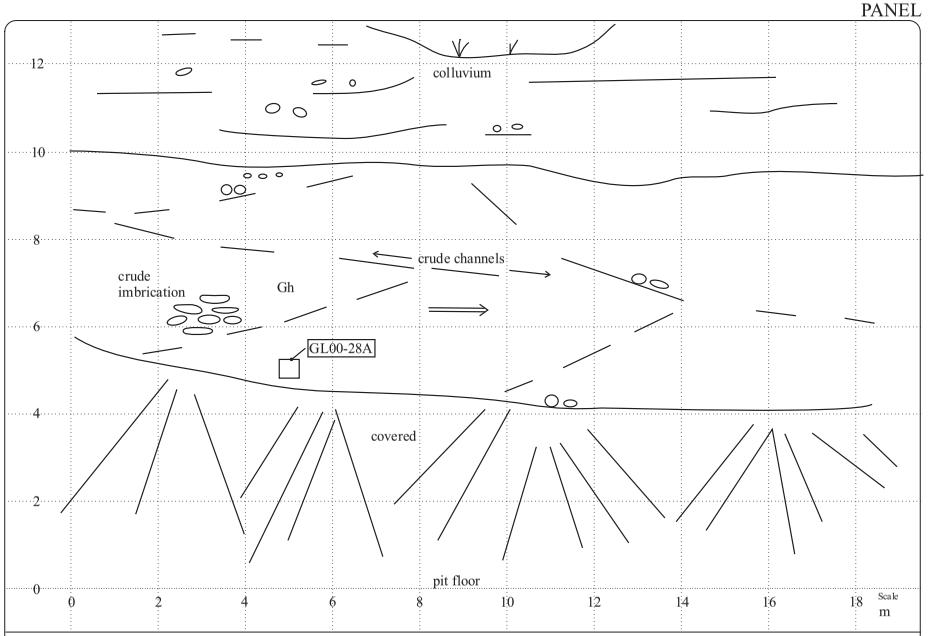


Thickness (metres)	Texture And Contact (Mud, Sand, Gravel)	Textural Modifier (M, (s), (g), m, s, g)	Sorting (U, p, m, w)	Grading	Support (F, M)	Clast Fabric	Other Sedimentary Structures	Paleoflow Direction	Color	Lithology (Qs, I, M, S 95)	Alteration	Clast Shape (R, d, s, A)	Clast Roundness (a, sa, sr, r)	Other Remarks (Fossils, samples, pictures, etc.)	Lithofacies	Element	Environment Of Deposition
						AtBi	Crude imbrication		Light Grey		None			GL00-28A	Gh	GB	Fluvial

Station GL00-28 Section 28S Orientation SW < -------> NE Page 1 of 1

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

PANEL



Station GL00-28 Panel 28P Orientation SW < -------> NE Page 1 of 1

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 116 B/3
Dawson
Creek/River Hunker Creek,
Dago Hill
Tributary to Klondike River
Lat/Long 64 01 00
139 10 00
Owner/Operator
Other Sample GL01-02A.

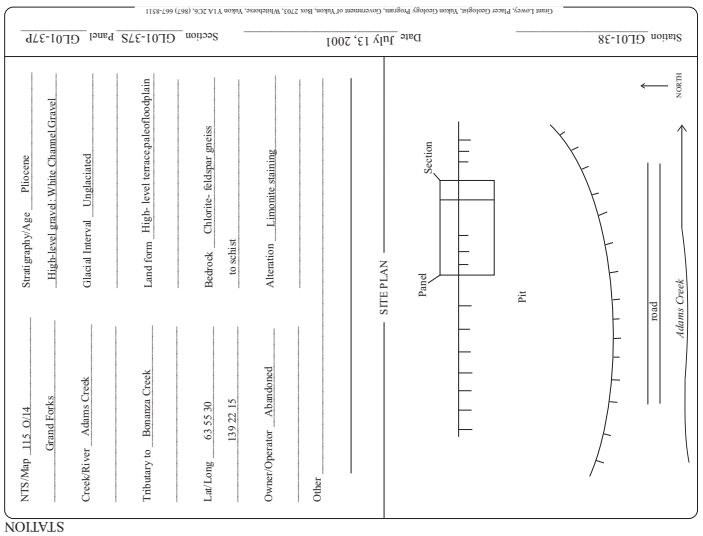
Stratigraphy/Age Pliocene
High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High-level terrace, paleofloodplain
Bedrock Graphite schist
Alteration Clay

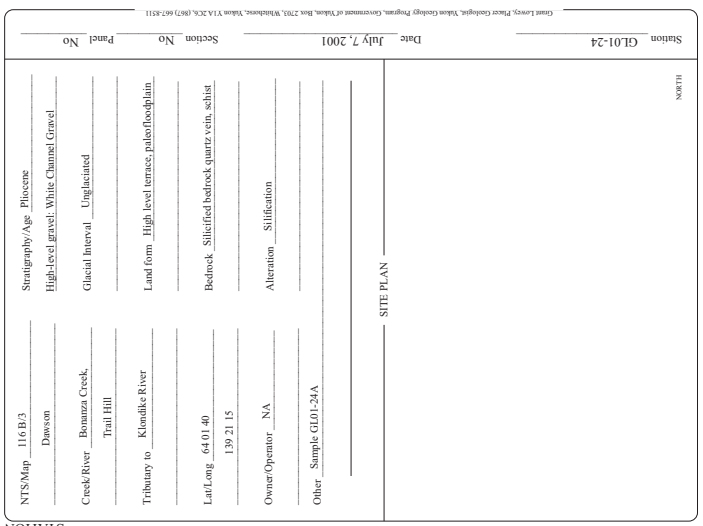
Panel No
Section No
Date June 7, 2001
Station GL01-2

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

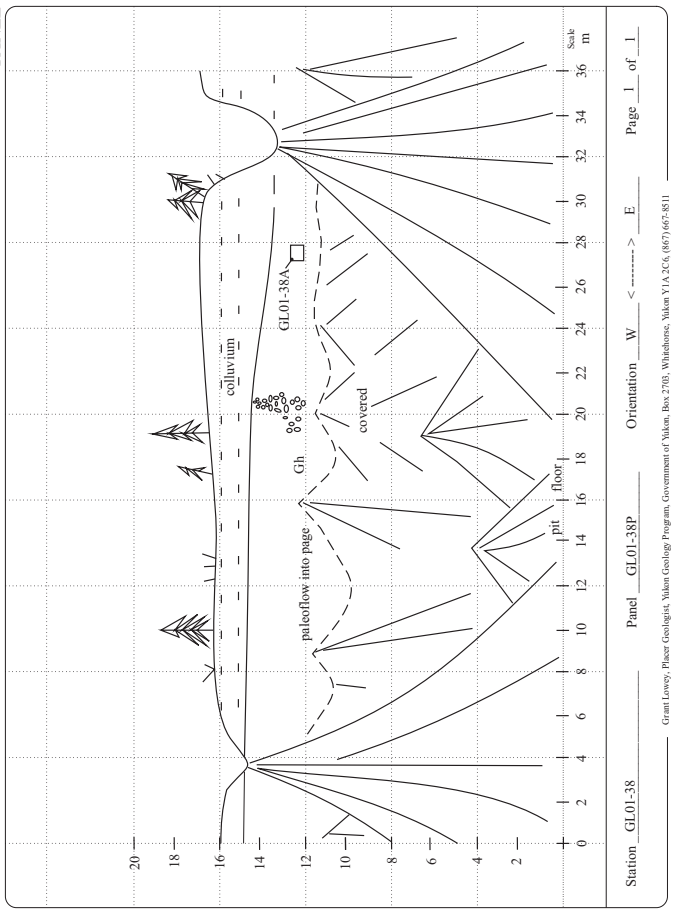
SITE PLAN

NORTH

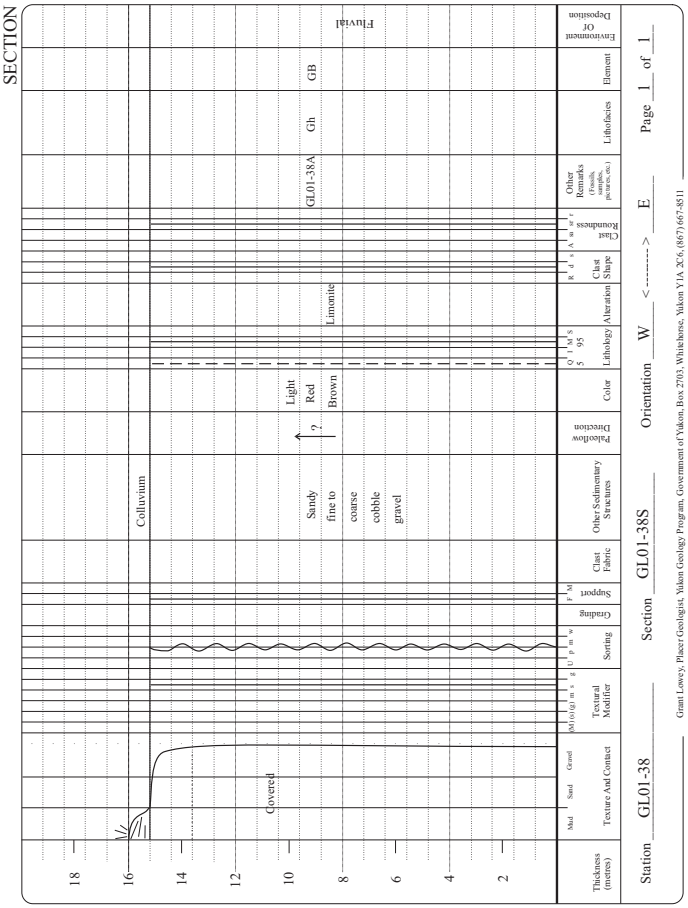


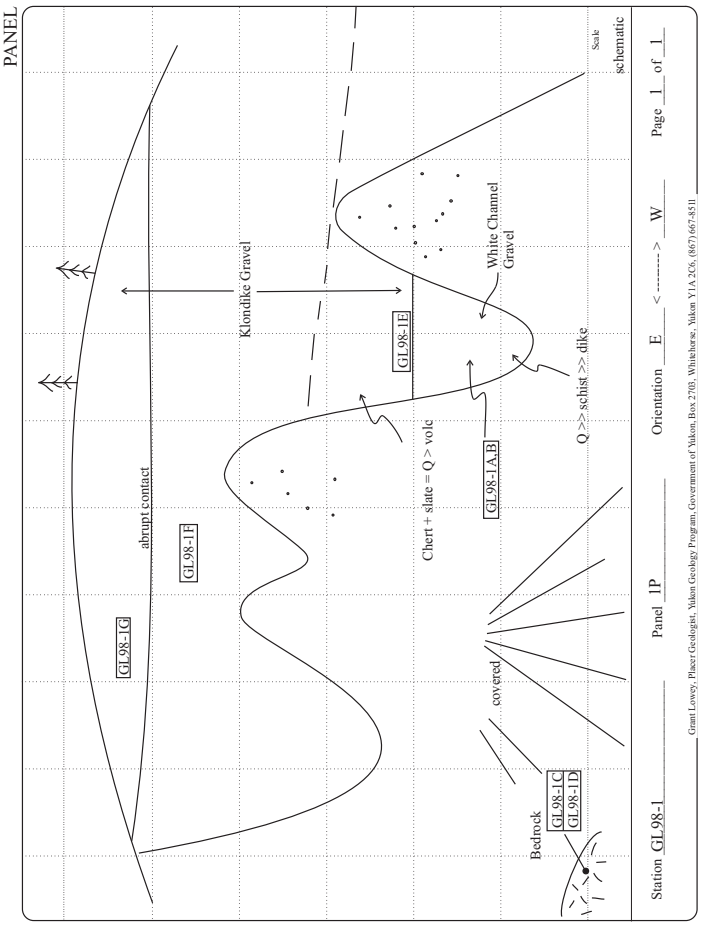


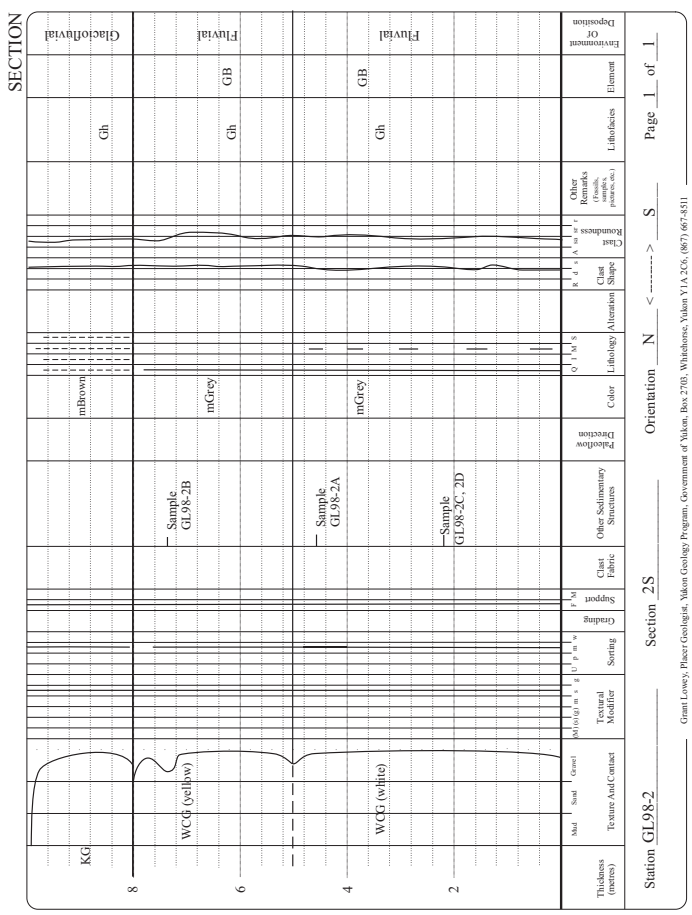
PANEL



SECTION







STATION

NTS/Map 116 B/3
Stratigraphy/Age Pliocene High-level gravel:
Dawson
White Channel Gravel and Klondike Gravel
Creek/River Jackson Hill
Glacial Interval Pre-Reid
Tributary to Klondike River
Land form High-level Terrace, paleofloodplain
Lat/Long 64 02 00
139 22 00
Bedrock Muscovite - quartz schist
Owner/Operator Brendon White
Alteration Clay
Other Fineness 83.5.

SITE PLAN
Panel
Road
NORTH

Station GL98-1
Date June 24,27, 1998
Section
No
Panel GL98-1P

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

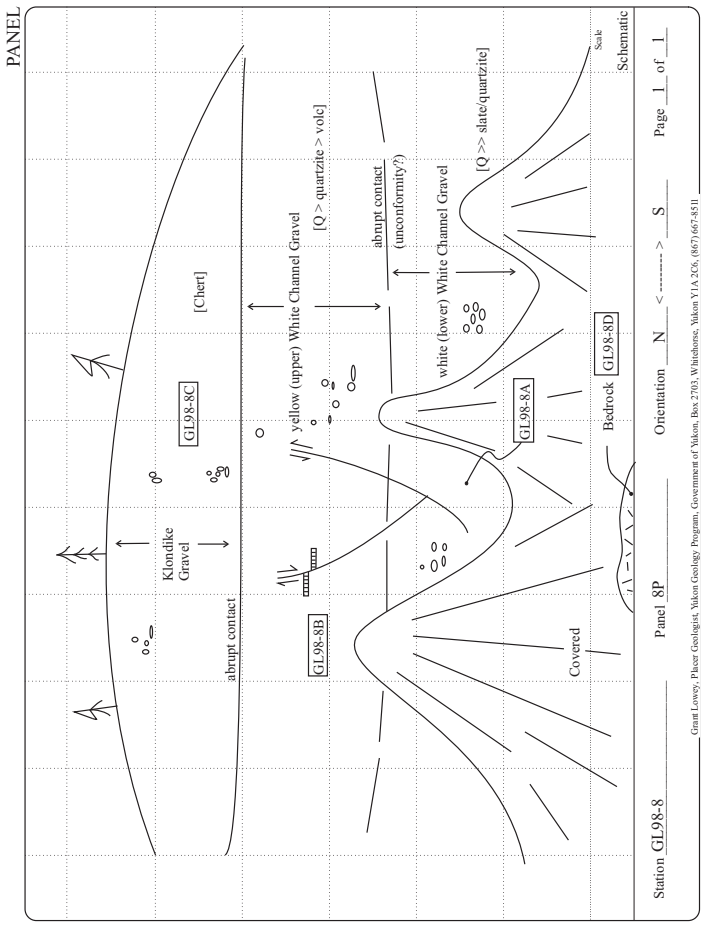
STATION

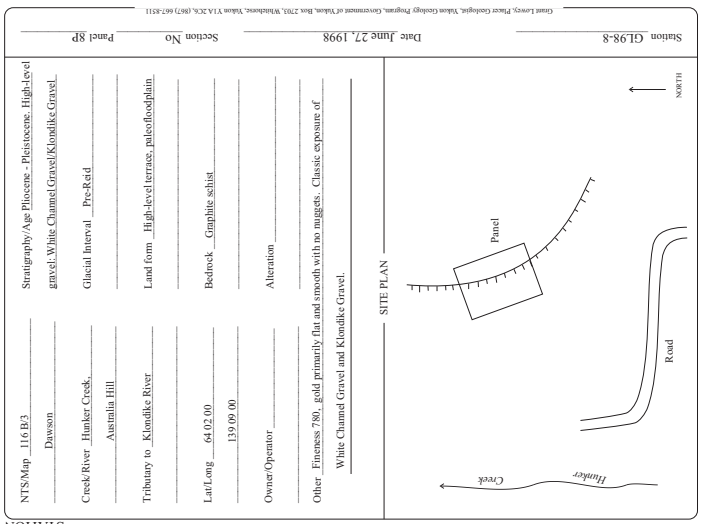
NTS/Map 116 B/3
Stratigraphy/Age Pliocene-Pleistocene, High-level gravel:White Channel Gravel/Klondike Gravel.
Dawson
Creek/River Hunker Creek,
Dago Hill
Glacial Interval Pre-reid
Tributary to Klondike River
Land form High-Level terrace, paleofloodplain
Bedrock
Lat/Long 64 01 00
139 07 00
Alteration
Owner/Operator Inactive
Other Fineness 798-859, gold flat, round, rough, crystalline and wire.
Classic exposure of White Channel Gravel and Klondike Gravel.

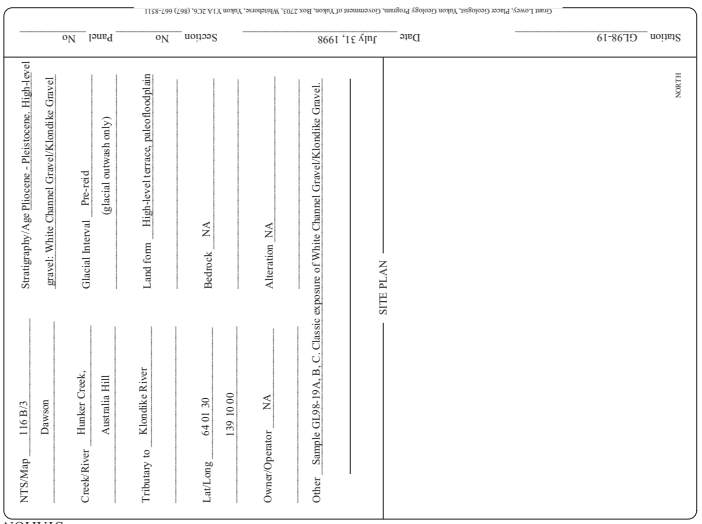
SITE PLAN
Section
Road
Road
NORTH

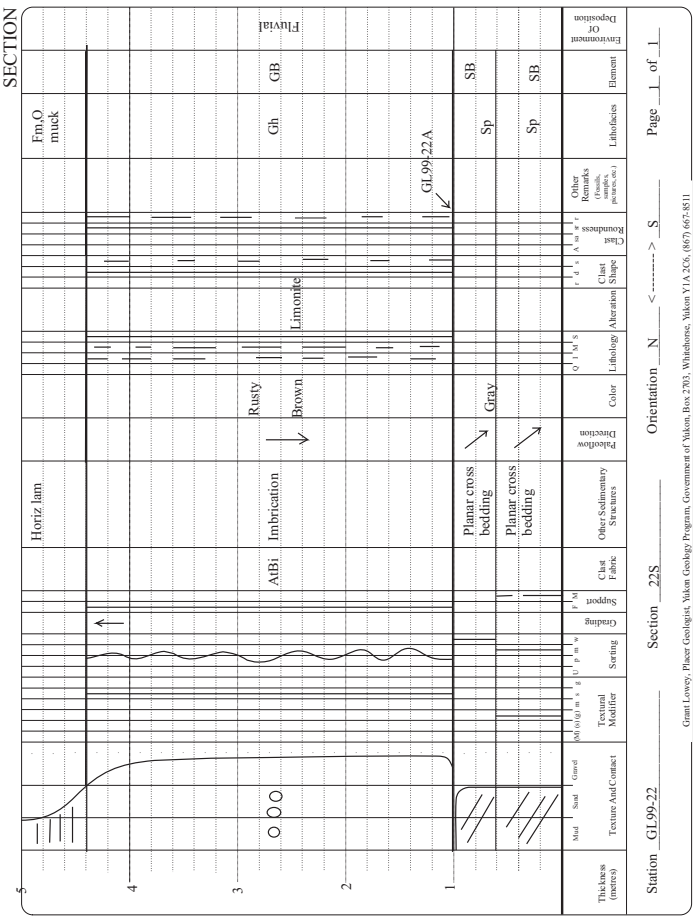
Station GL98-2
Date June 24, 1998
Section GL98-2S
No
Panel

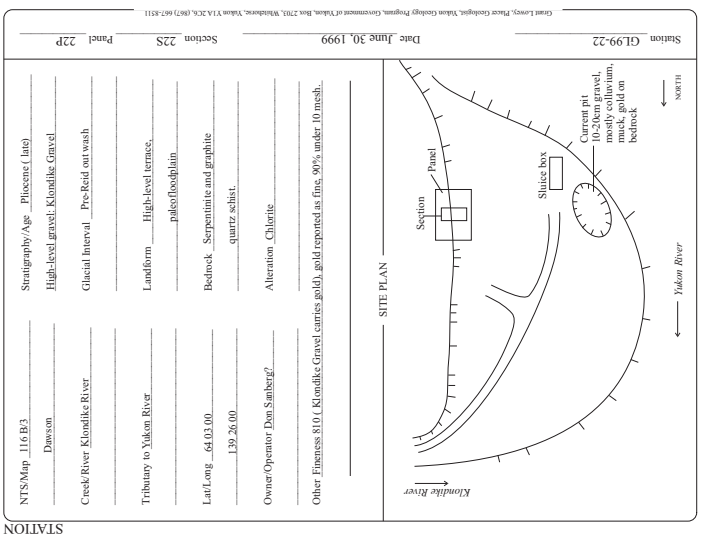
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

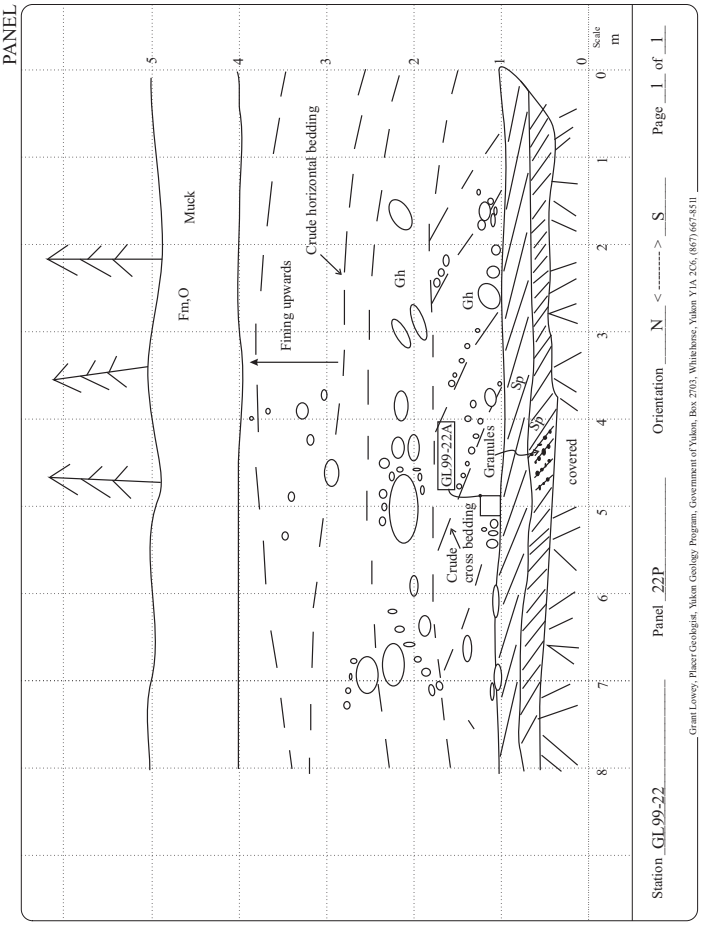

PANEL
Klondike Gravel
[Chert]
abrupt contact
GL98-8C
GL98-8B
yellow (upper) White Channel Gravel
[Q > quartzite > vole]
abrupt contact
(unconformity?)
white (lower) White Channel Gravel
[Q >> slate/quartzite]
GL98-8A
Covered
Bedrock
GL98-8D
Scale
Schematic
Station GL98-8
Panel 8P
Orientation N < -------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

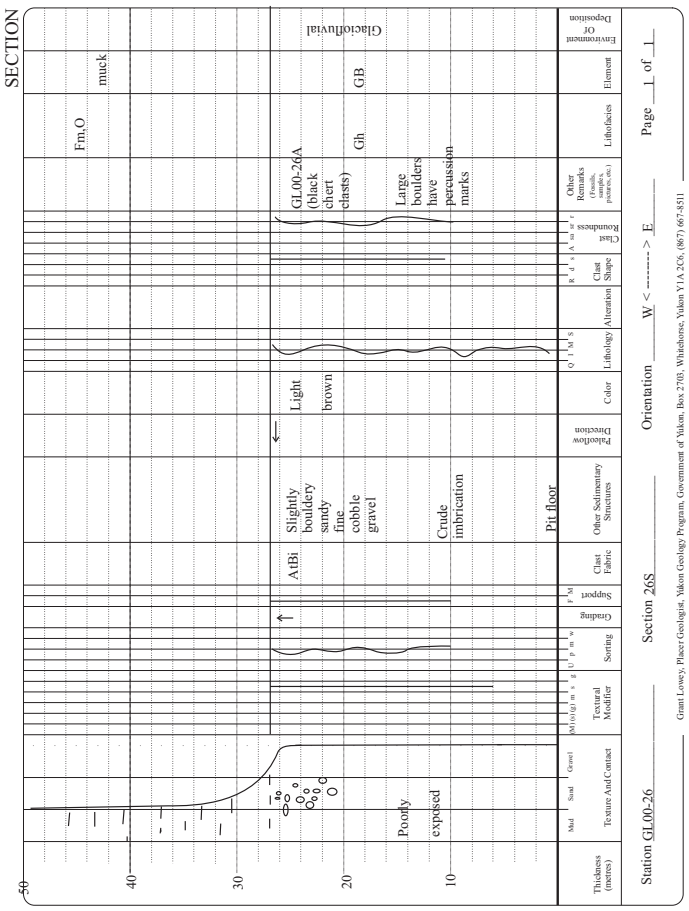

STATION
NTS/Map 116 B/3
Dawson
Stratigraphy/Age Pliocene - Pleistocene. High-level gravel; White Channel Gravel/Klondike Gravel.
Creek/River Hunker Creek,
Australia Hill
Glacial Interval Pre-Reid
Tributary to Klondike River
Land form High-level terrace, paleofloodplain
Lat/Long 64 02 00
139 09 00
Bedrock Graphite schist
Owner/Operator
Alteration
Other Fineness 780, gold primarily flat and smooth with no nuggets. Classic exposure of White Channel Gravel and Klondike Gravel.
SITE PLAN
Hunker Creek
Panel
Road
NORTH
Station GL98-8
Date June 27, 1998
Section No
Panel 8P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

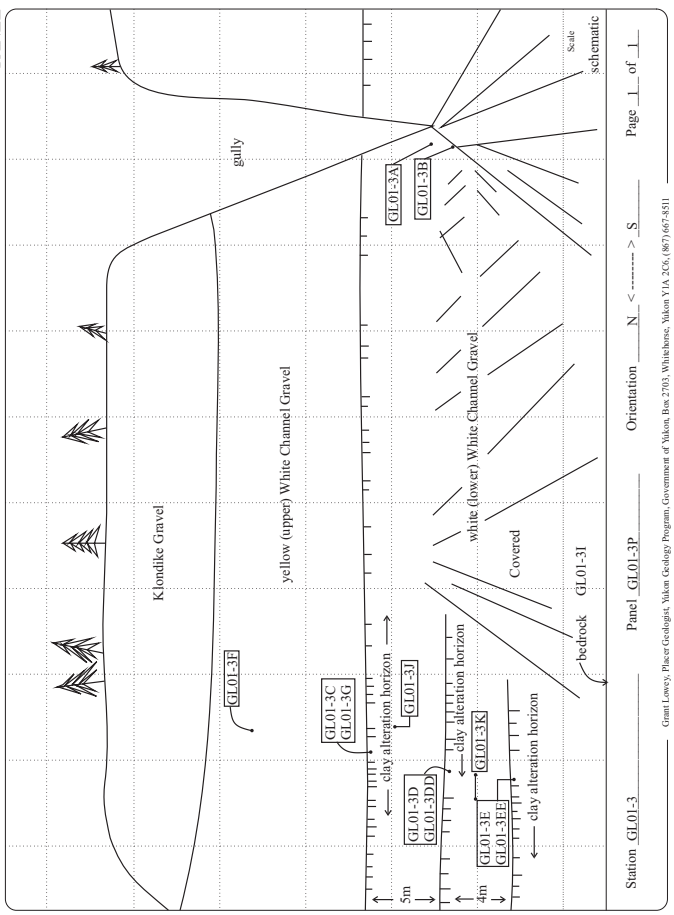

STATION
NTS/Map 116 B/3
Dawson
Stratigraphy/Age Pliocene - Pleistocene. High-level gravel; White Channel Gravel/Klondike Gravel
Creek/River Hunker Creek,
Australia Hill
Glacial Interval Pre-rtd
(glacial outwash only)
Tributary to Klondike River
Land form High-level terrace, paleofloodplain
Lat/Long 64 01 30
139 10 00
Bedrock NA
Owner/Operator NA
Alteration NA
Other Sample GL98-19A, B, C. Classic exposure of White Channel Gravel/Klondike Gravel.
SITE PLAN
NORTH
Station GL98-19
Date July 31, 1998
Section No
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

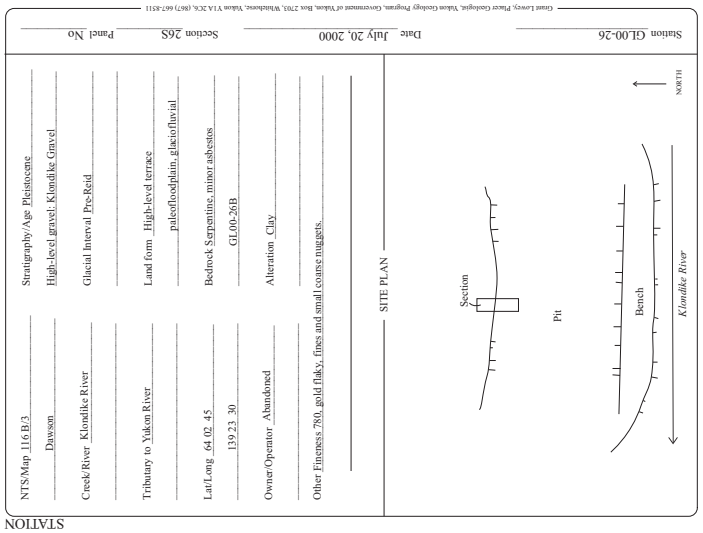

SECTION
Station GL99-22
Section 22S
Orientation N <-------> S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Mud
Sand
Gravel
Horiz lam
Fm,O muck
Imbrication
AtBi
Rusty
Brown
Limonite
Planar cross bedding
Gray
Gh
GB
Sp
SB
GL99-22A
Fluvial

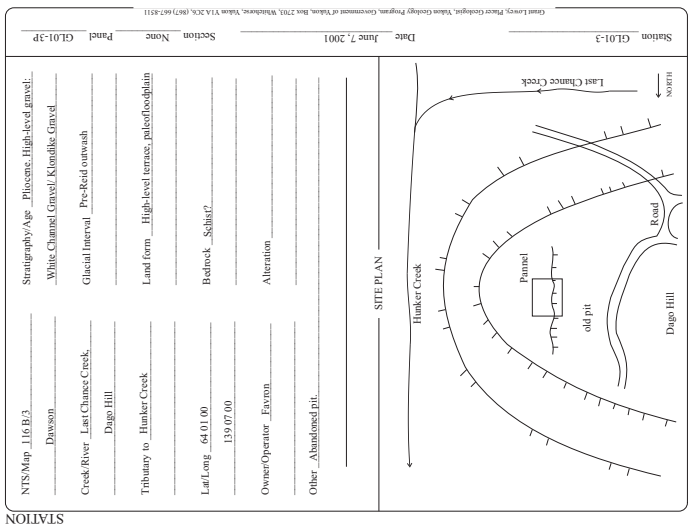

STATION
Station GL99-22
Date June 30, 1999
Section 22S
Panel 22P
NTS/Map 116 B/3
Stratigraphy/Age Pliocene(late)
Dawson
High-level gravel; Klondike Gravel
Creek/River Klondike River
Glacial Interval Pre-Reid out wash
Tributary to Yukon River
Landform High-level terrace,
paleo floodplain
Lat/Long 64 03 00
139 26 00
Bedrock Serpentinite and graphite
quartz schist.
Owner/Operator Don Sinberg?
Alteration Chlorite
Other Fineness 810 (Klondike Gravel carries gold), gold reported as fine, 90% under 10 mesh.
SITE PLAN
Klondike River
Section
Panel
Sluice box
Current pit
10-20m thick gravel, mostly colluvium, muck, gold on bedrock
NORTH
Yukon River
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

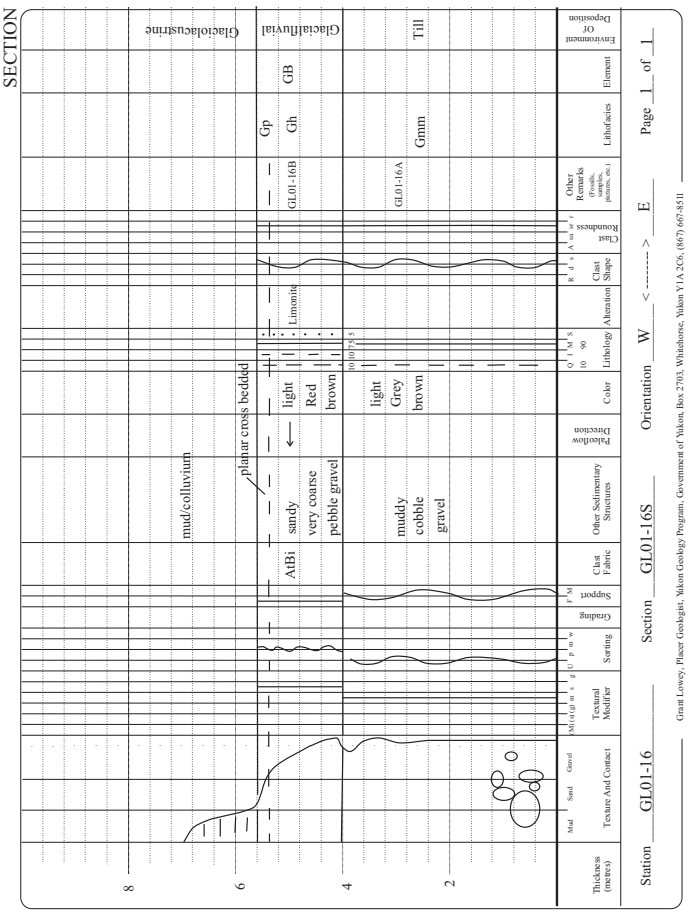

PANEL
Station GL99-22
Panel 22P
Orientation N <-------> S
Page 1 of 1
Fm,O
Muck
Fining upwards
Crude horizontal bedding
Gh
Sp
Crude cross bedding
GL99-22A
Granules
covered
Scale m
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

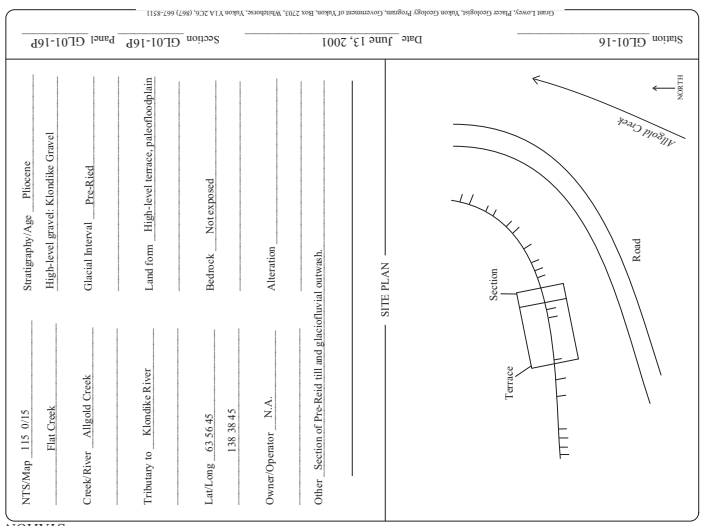

SECTION
Station GL00-26
Section 26S
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (features, samples, photos, etc)
Lithofacies
Element
Environment Of Deposition
Fm.O
muck
GL00-26A (black chert clasts)
Large boulders have percussion marks
Gh
GB
Glaciofluvial
Light brown
AtBi
Slightly boulder sandy fine cobble gravel
Crude imbrication
Pit floor
Poorly exposed

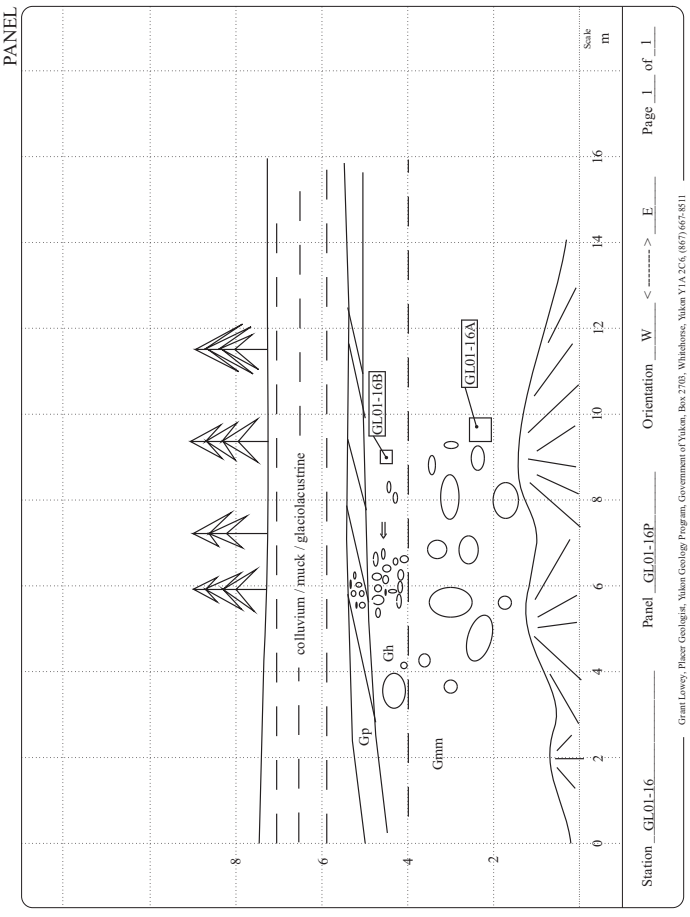

PANEL
Station GL01-3
Panel GL01-3P
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Klondike Gravel
yellow (upper) White Channel Gravel
white (lower) White Channel Gravel
gully
Covered
bedrock
GL01-3I
GL01-3F
GL01-3C
GL01-3G
GL01-3J
GL01-3D
GL01-3D2
GL01-3K
GL01-3E
GL01-3EE
GL01-3A
GL01-3B
clay alteration horizon
5m
4m
Scale
schematic

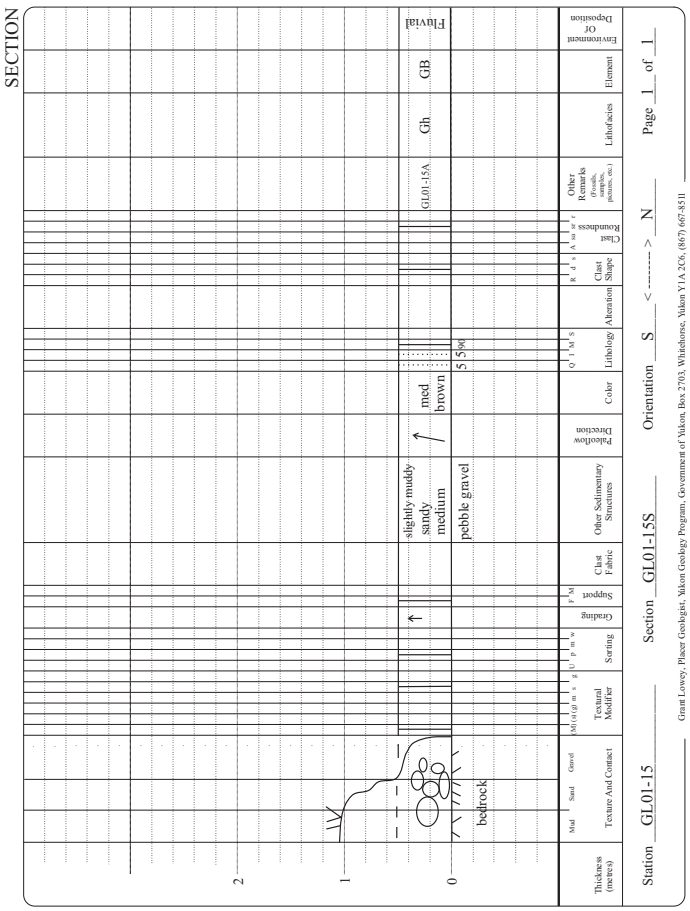

STATION
NTS/Map 116 B/3
Stratigraphy/Age Pleistocene
Dawson
High-level gravel: Klondike Gravel
Creek/River Klondike River
Glacial Interval Pre-Reid
Tributary to Yukon River
Land form High-level terrace
paleofloodplain, glaciofluvial
Lat/Long 64 02 45
139 23 30
Bedrock Serpentine, minor asbestos
GL00-26B
Owner/Operator Abandoned
Alteration Clay
Other Fineness 780, gold flaky, fines and small coarse nuggets.
SITE PLAN
Section
Pit
Bench
Klondike River
NORTH
Station GL00-26
Date July 20, 2000
Section 26S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

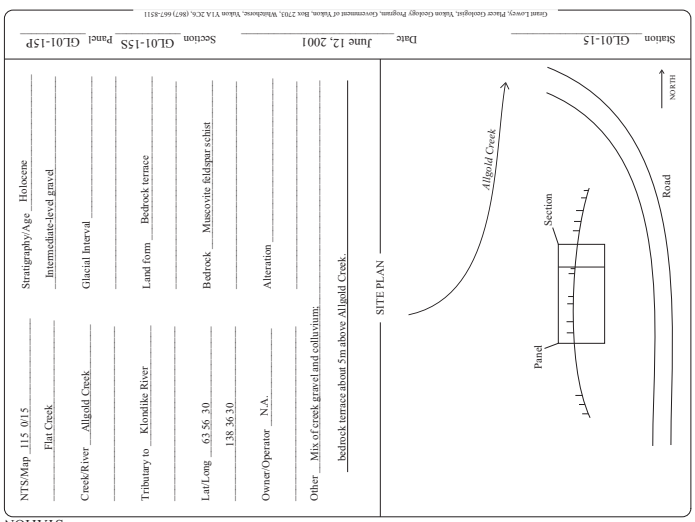

STATION
NTS/Map 116 B/3
Stratigraphy/Age Pliocene, High-level gravel:
Dawson
White Channel Gravel/ Klondike Gravel
Creek/River Last Chance Creek,
Glacial Interval Pre-Reid outwash
Dago Hill
Tributary to Hunker Creek
Land form High-level terrace, paleofloodplain
Lat/Long 64 01 00
139 07 00
Bedrock Schist?
Owner/Operator Favron
Alteration
Other Abandoned pit.
SITE PLAN
Hunker Creek
Last Chance Creek
Pannel
old pit
Road
Dago Hill
NORTH
Station GL01-3
Date June 7, 2001
Section None
Panel GL01-3P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

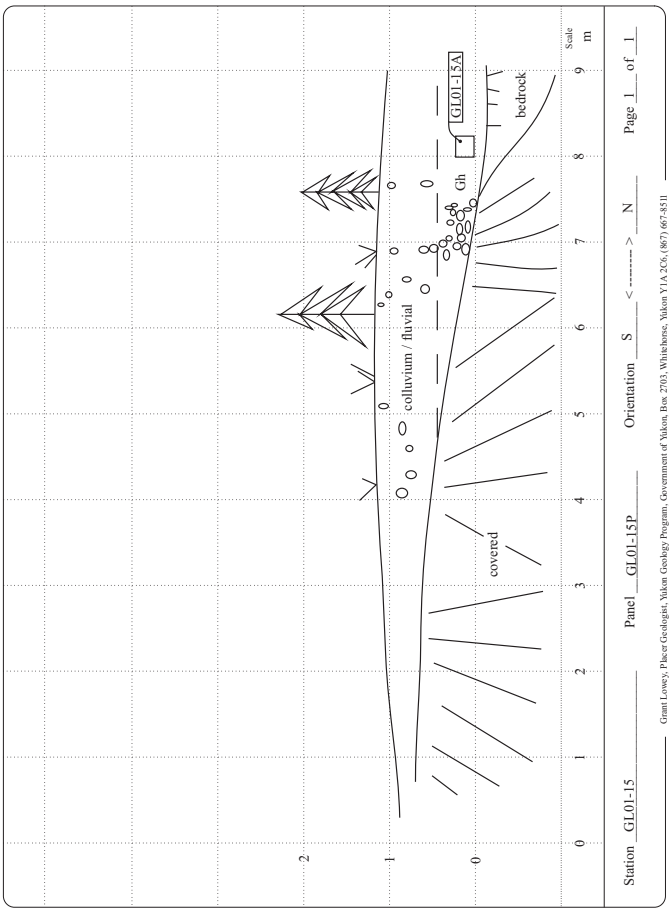

SECTION
Station GL01-16
Section GL01-16S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
mud/colluvium
planar cross bedded
sandy
very coarse
pebble gravel
muddy
cobble
gravel
light
Red
brown
Grey
Limonite
GL01-16B
GL01-16A
Gp
Gh
Gmm
Till
GB
Glaciolacustrine
GlacialFluvial

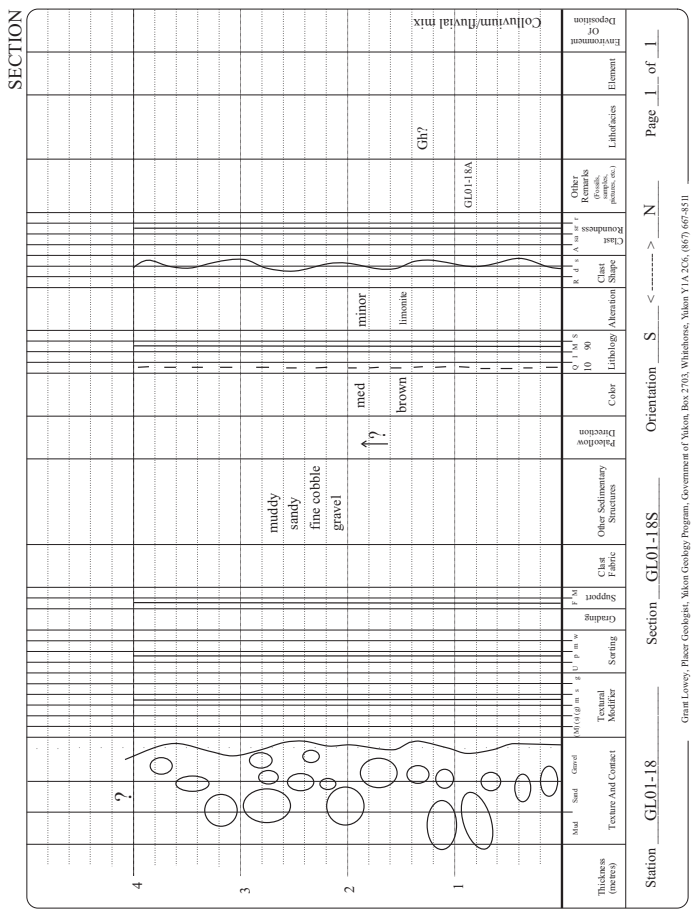

STATION
NTS/Map 115 0/15
Stratigraphy/Age Pliocene
Flat Creek
High-level gravel: Klondike Gravel
Creek/River Allgold Creek
Glacial Interval Pre-Reid
Tributary to Klondike River
Land form High-level terrace, paleofloodplain
Lat/Long 63 56 45
138 38 45
Bedrock Not exposed
Owner/Operator N.A.
Alteration
Other Section of Pre-Reid till and glaciofluvial outwash.
SITE PLAN
Terrace
Section
Road
Allgold Creek
NORTH
Station GL01-16
Date June 13, 2001
Section GL01-16P
Panel GL01-16P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

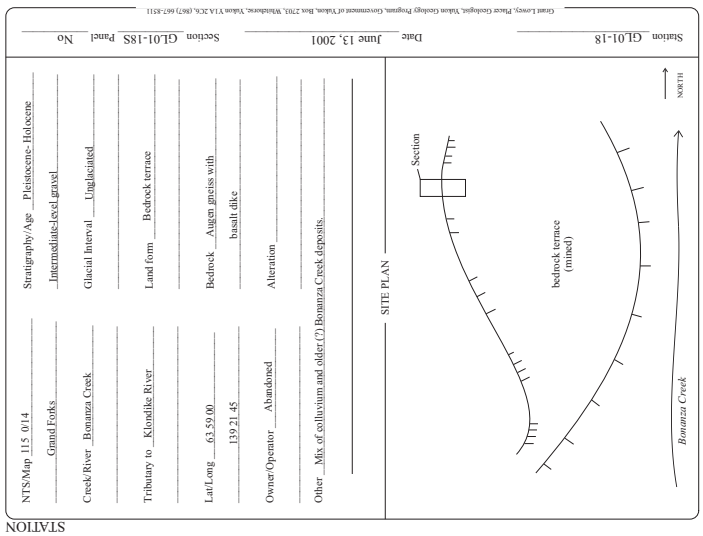

PANEL
colluvium / muck / glaciolacustrine
Gp
Gh
Gmm
GL01-16B
GL01-16A
Scale m
Station GL01-16
Panel GL01-16P
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL01-15
Section GL01-15S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (GSC samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
slightly muddy sandy medium pebble gravel
med brown
GL01-15A
Gh
GB
Fluvial
bedrock


STATION
Station GL01-15
Date June 12, 2001
Section GL01-15S
Panel GL01-15P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/15
Stratigraphy/Age Holocene
Flat Creek
Intermediate-level gravel
Creek/River Allgold Creek
Glacial Interval
Tributary to Klondike River
Land form Bedrock terrace
Lat/Long 63 56 30
138 36 30
Bedrock Muscovite feldspar schist
Owner/Operator N.A.
Alteration
Other Mix of creek gravel and colluvium;
bedrock terrace about 5 m above Allgold Creek.
SITE PLAN
Allgold Creek
Section
Panel
Road
NORTH


PANEL
Station GL01-15
Panel GL01-15P
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
colluvium / fluvial
covered
Gh
GL01-15A
bedrock


SECTION
Station GL01-18 Section GL01-18S Orientation S < ------ > N Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Colluvium/fluvial mix
GL01-18A
Gh?
minor
limonite
med
brown
muddy
sandy
fine cobble
gravel
Thickness (metres)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition


STATION
NTS/Map 115 0/14
Stratigraphy/Age Pleistocene- Holocene
Grand Forks
Intermediate-level gravel
Creek/River Bonanza Creek
Glacial Interval Unglaciated
Tributary to Klondike River
Land form Bedrock terrace
Lat/Long 63 59 00
139 21 45
Bedrock Augen gneiss with
basalt dike
Owner/Operator Abandoned
Alteration
Other Mix of colluvium and older(?) Bonanza Creek deposits.
SITE PLAN
Section
bedrock terrace (mined)
Bonanza Creek
NORTH
Station GL01-18
Date June 13, 2001
Section GL01-18S
Panel
No
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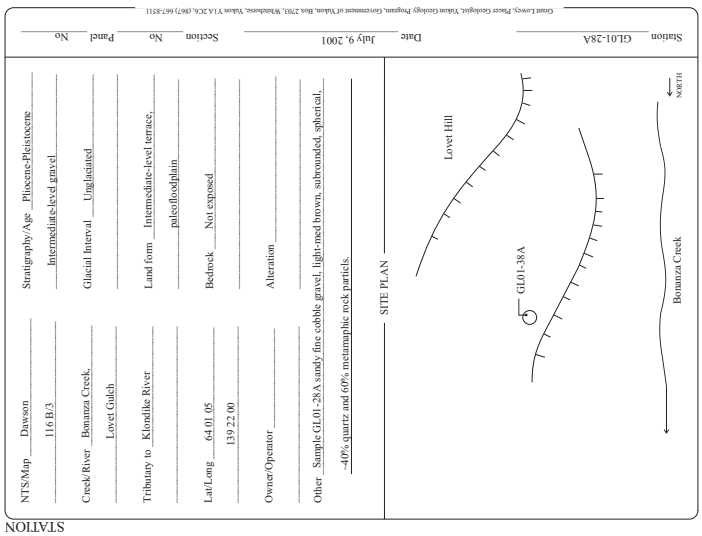
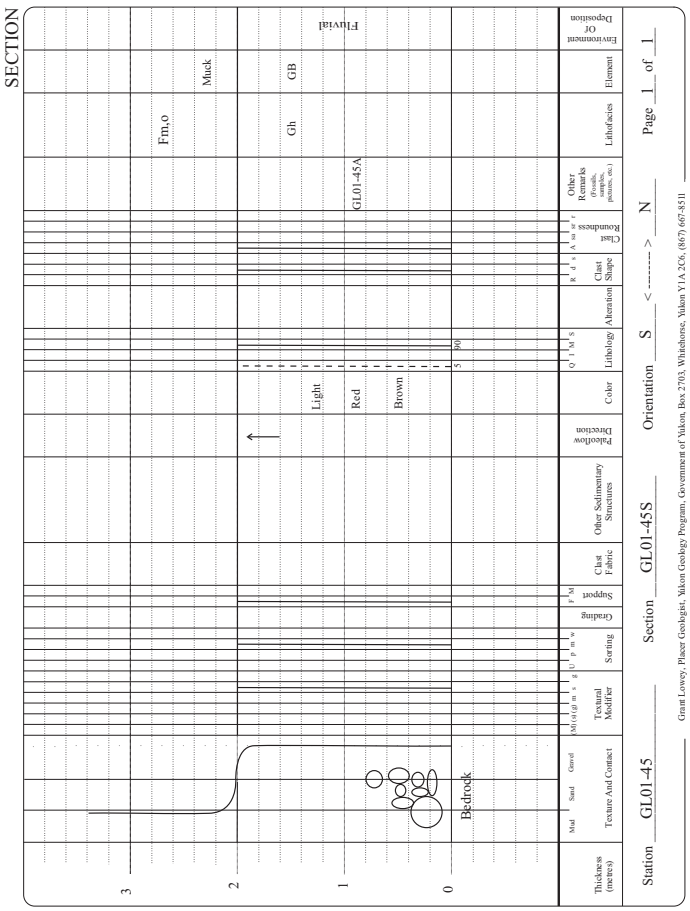
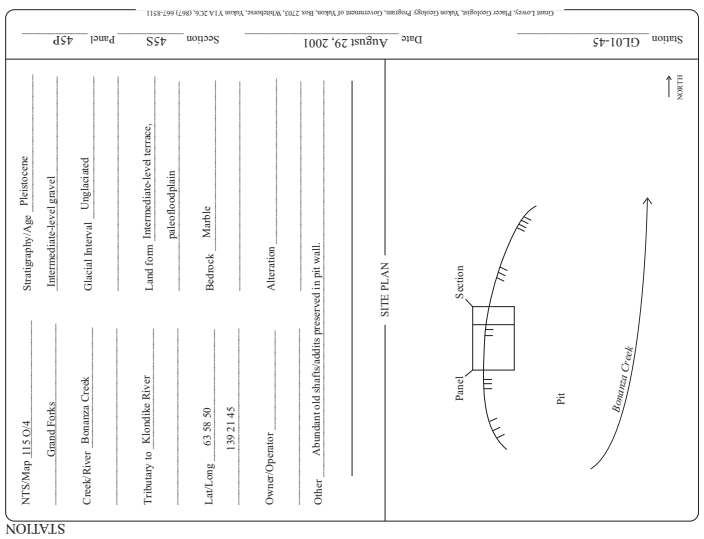

STATION
NTS/Map Dawson
116 B/3
Stratigraphy/Age Pliocene-Pleistocene
Intermediate-level gravel
Creek/River Bonanza Creek,
Lower Gulch
Glacial Interval Unglaciated
Tributary to Klondike River
Land form Intermediate-level terrace,
paleofloodplain
Lat/Long 64 01 05
139 22 00
Bedrock Not exposed
Owner/Operator
Alteration
Other Sample GL01-28A sandy fine cobble gravel, light-med brown, subrounded, spherical,
~40% quartz and 60% metamaphic rock particels.
SITE PLAN
Lovel Hill
GL01-38A
Bonanza Creek
NORTH
Station GL01-28A
Date July 9, 2001
Section
No
Panel
No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL01-45
Section GL01-45S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (features, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Fm,o
Muck
Gh
GB
Fluvial
GL01-45A
Light
Red
Brown
Bedrock


STATION
Station GL01-45
Date August 29, 2001
Section 45S
Panel 45P
Stratigraphy/Age Pleistocene
Intermediate-level gravel
Creek/River Bonanza Creek
Glacial Interval Unglaciated
Tributary to Klondike River
Land form Intermediate-level terrace, paleofloodplain
Lat/Long 63 58 50
139 21 45
Bedrock Marble
Owner/Operator
Alteration
Other Abundant old shafts/addits preserved in pit wall.
SITE PLAN
Section
Panel
Pit
Bonanza Creek
NORTH
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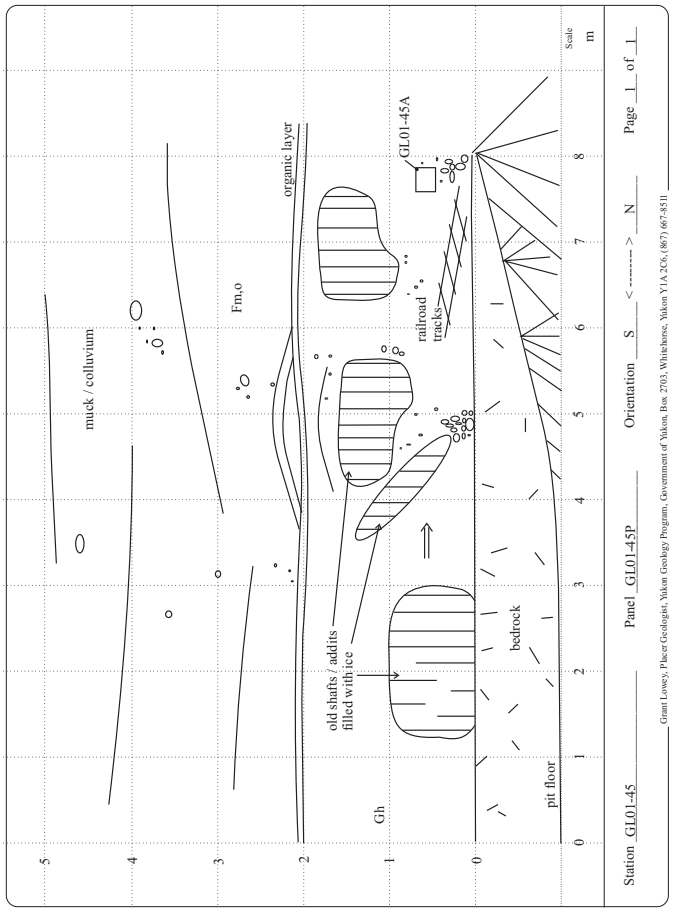
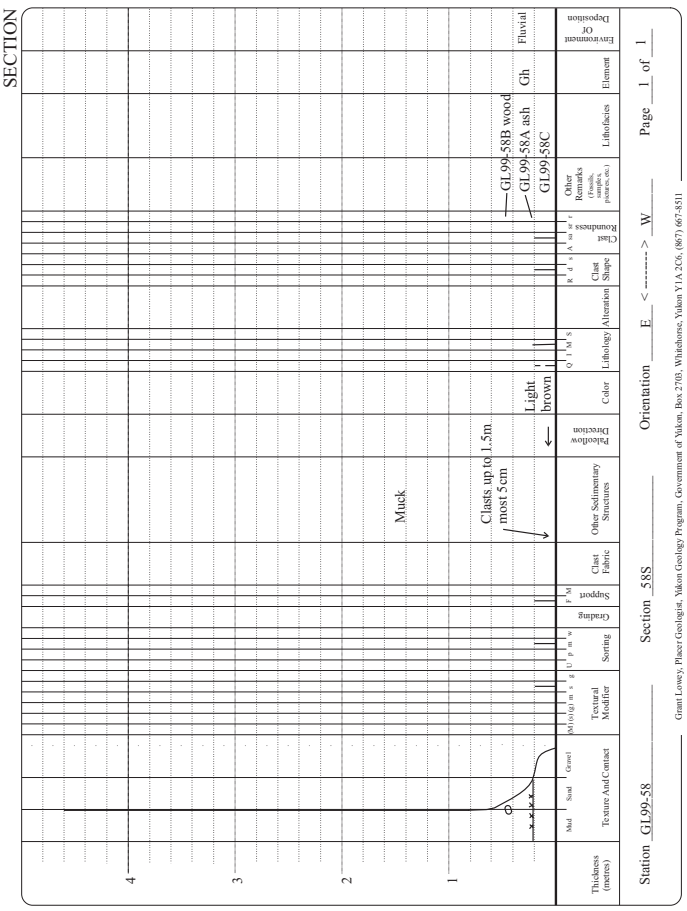
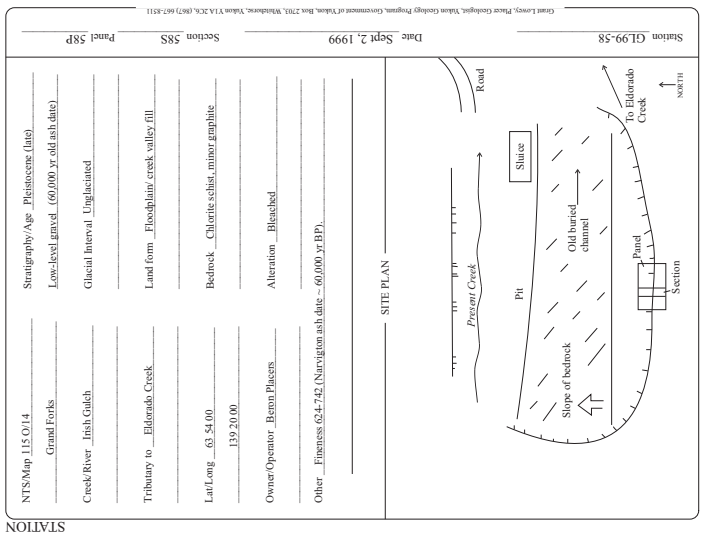
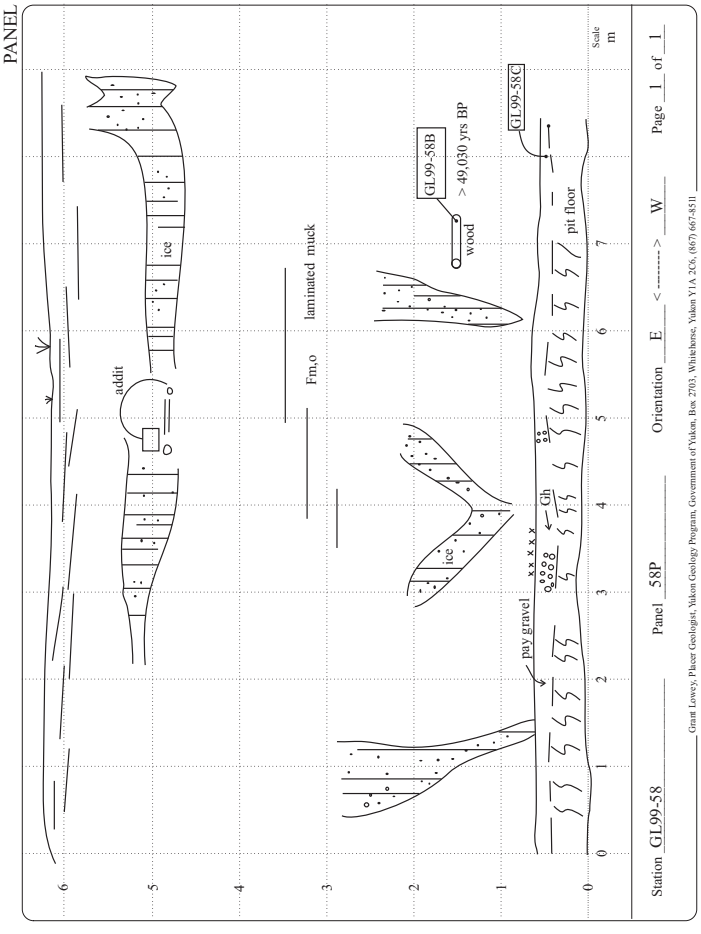

PANEL
muck / colluvium
Fm,o
organic layer
GL01-45A
railroad track
old shafts / addits filled with ice
Gh
bedrock
pit floor
Station GL01-45
Panel GL01-45P
Orientation S < ------- > N
Page 1 of 1
Scale m
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL99-58
Section 58S
Orientation E < ------ > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Muck
Clasts up to 1.5m most 5cm
Light brown
GL99-58B wood
GL99-58A ash
GL99-58C
Gh
Fluvial


STATION
NTS/Map 115 O/14
Grand Forks
Creek/River Irish Gulch
Glacial Interval Unglaciated
Tributary to Eldorado Creek
Land form Floodplain/ creek valley fill
Lat/Long 63 54 00
139 20 00
Bedrock Chlorite schist, minor graphite
Alteration Bleached
Owner/Operator Benn Placers
Other Fineness 624-742 (Natvigtion ash date ~ 60,000 yr BP)
Stratigraphy/Age Pleistocene (late)
Low-level gravel (60,000 yr old ash date)
Station GL99-58
Date Sept 2, 1999
Section 58S
Panel 58P
SITE PLAN
Present Creek
Road
Pit
Sluice
Old buried channel
Slope of bedrock
Panel
Section
To Eldorado Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
addit
ice
Fm,o laminated muck
GL99-58B
> 49,030 yrs BP
wood
GL99-58C
pit floor
pay gravel
Gh
Station GL99-58
Panel 58P
Orientation E < ------ > W
Page 1 of 1
Scale m
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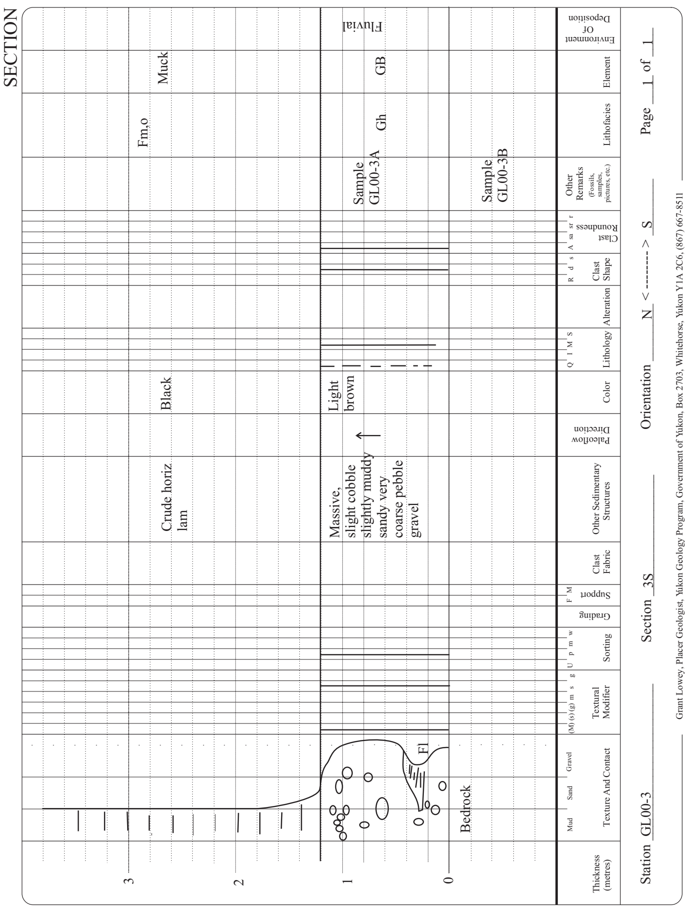
SECTION
Muck
Fm,o
Crude horiz lam
Black
Fluvial
Massive, slight cobble slightly muddy sandy very coarse pebble gravel
Light brown
Sample GL00-3A
Gh
GB
Sample GL00-3B
Fl
Bedrock
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, sample, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Station GL00-3
Section 3S
Orientation N <--------> S
Page 1 of 1
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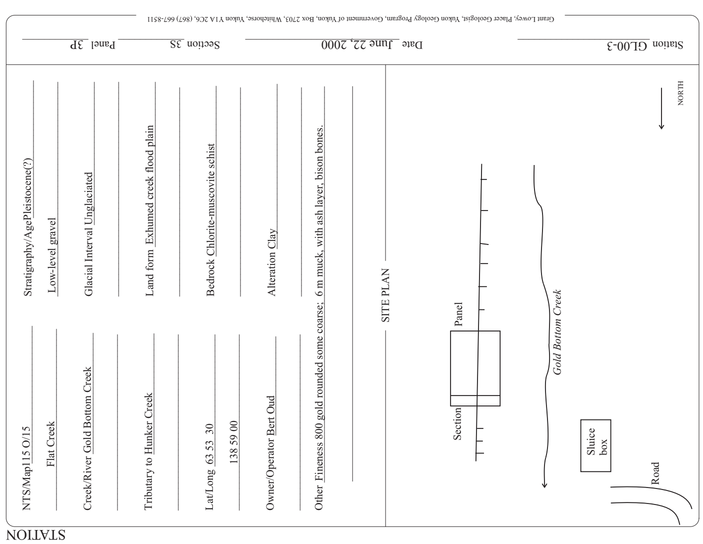
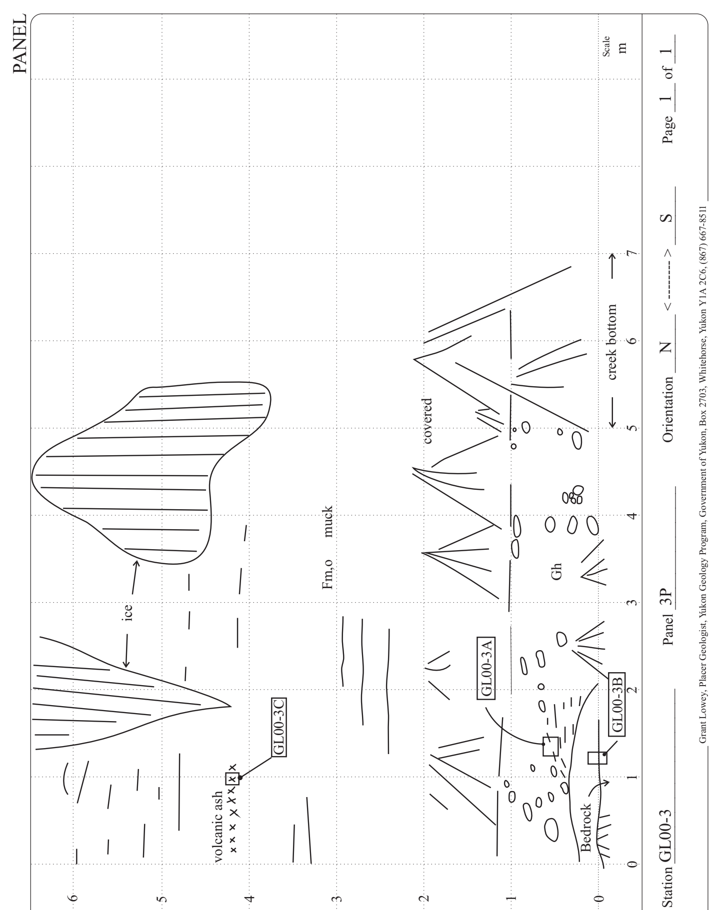
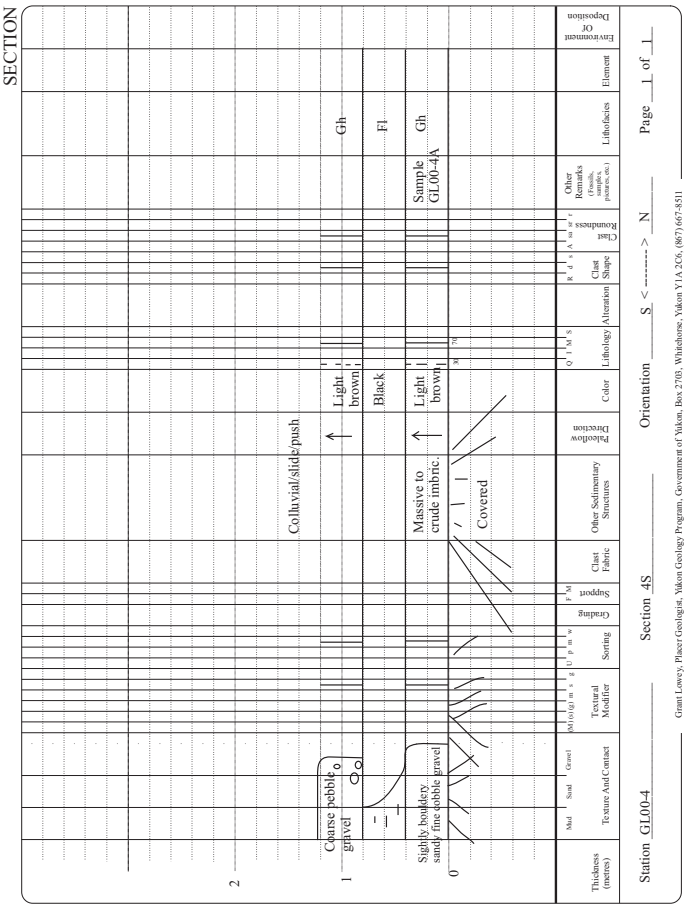
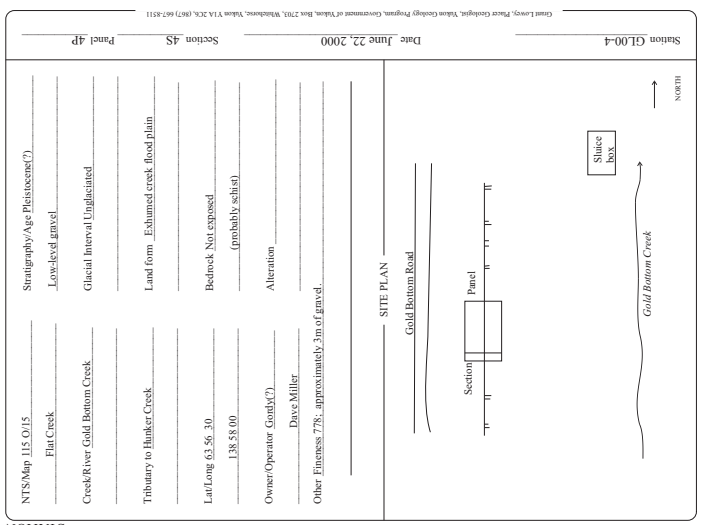
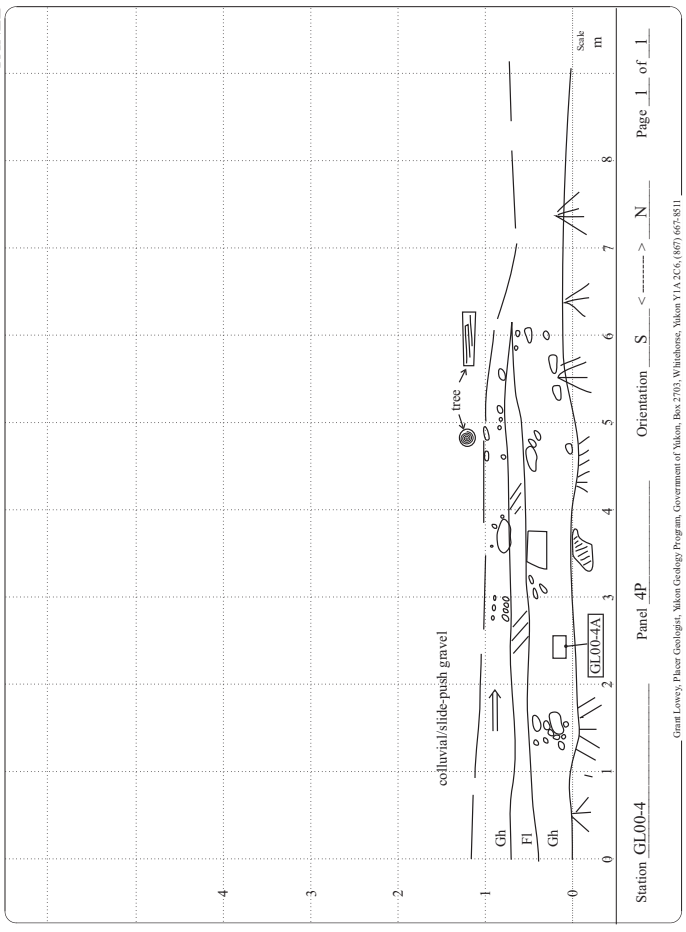
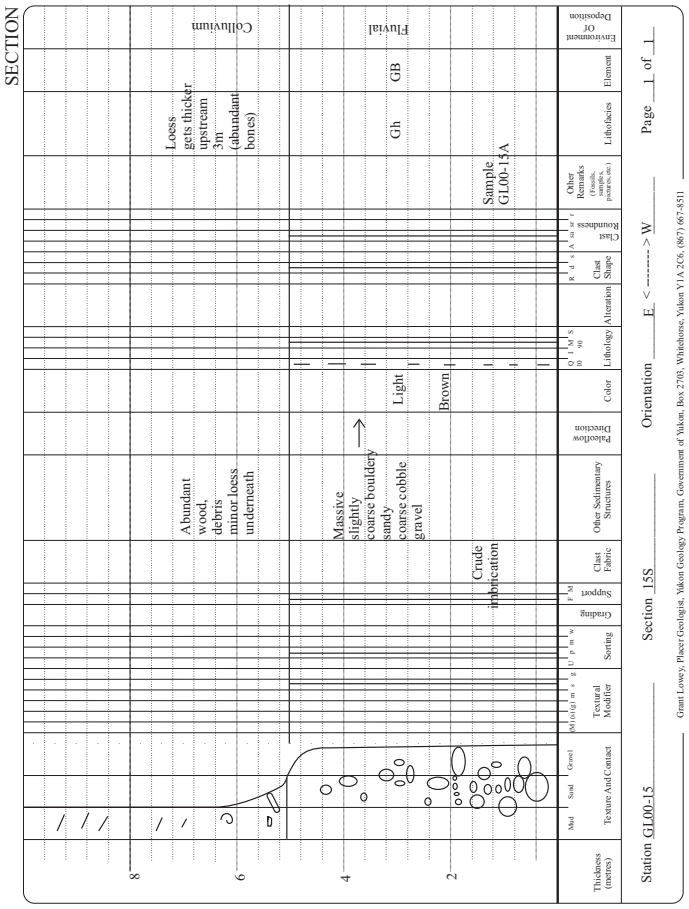

STATION
Station GL00-3
Date June 22, 2000
Section 3S
Panel 3P
NTS/Map115 O/15
Flat Creek
Creek/River Gold Bottom Creek
Tributary to Hunker Creek
Lat/Long 63 53 30
138 59 00
Owner/Operator Bert Oud
Other Fineness 800 gold rounded some coarse; 6 m muck, with ash layer, bison bones.
Stratigraphy/AgePleistocene(?)
Low-level gravel
Glacial Interval Unglaciated
Land form Exhumed creek flood plain
Bedrock Chlorite-muscovite schist
Alteration Clay
SITE PLAN
NORTH
Panel
Section
Gold Bottom Creek
Sluice box
Road
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

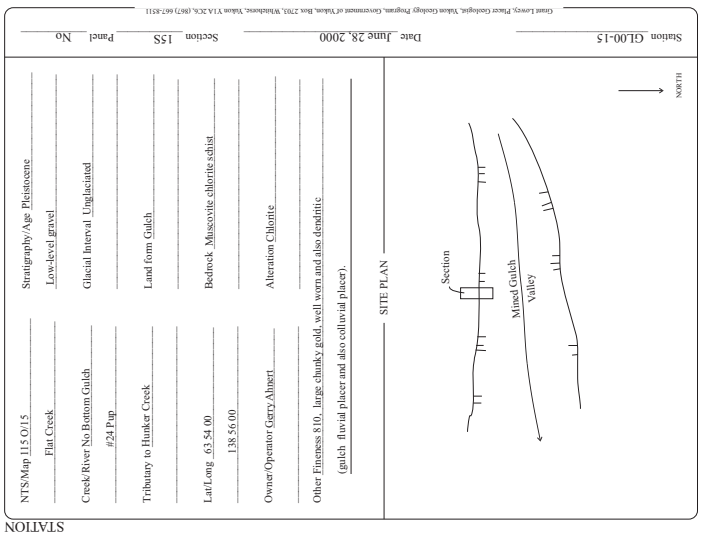

PANEL
ice
volcanic ash
GL00-3C
Fm,o
muck
Gh
covered
GL00-3A
GL00-3B
Bedrock
creek bottom
Scale m
Station GL00-3
Panel 3P
Orientation N <--------> S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

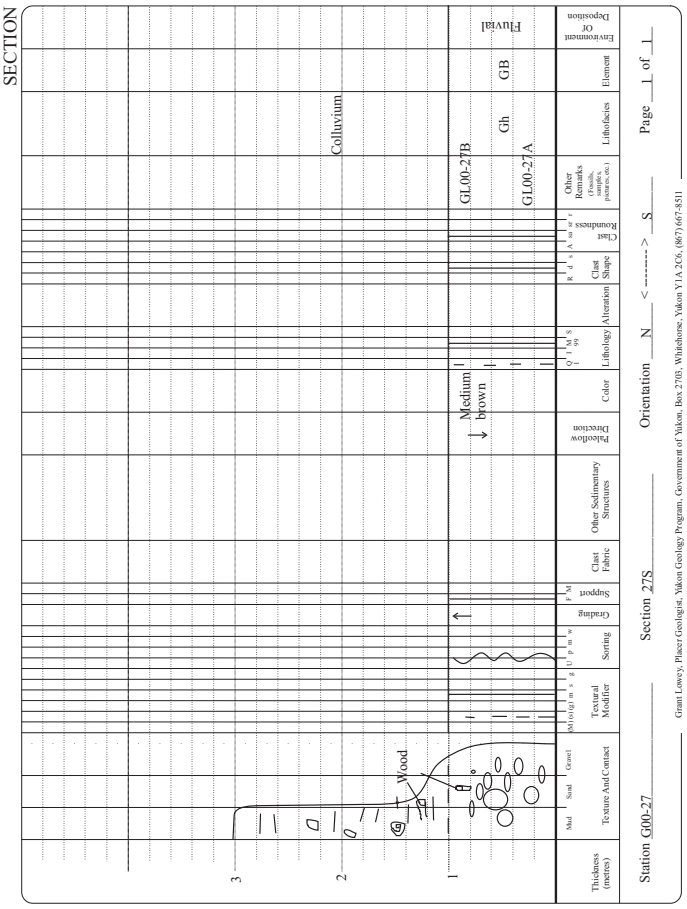

SECTION
Station GL00-4
Section 4S
Orientation
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Colluvial/slide/push
Coarse pebble gravel
Slightly bouldery, sandy fine cobble gravel
Light brown
Black
Light brown
Massive to crude imbric.
Covered
Gh
Fl
Gh
Sample GL00-4A
Thickness (metres)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition

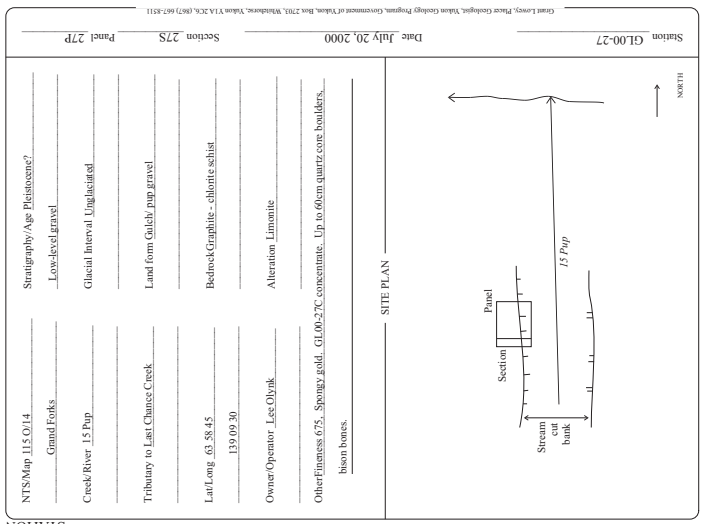

STATION
NTS/Map 115 O/15
Flat Creek
Creek/River Gold Bottom Creek
Tributary to Hunker Creek
Lat/Long 63 56 30
138 58 00
Owner/Operator Gordy(?)
Dave Miller
Other Fineness 778; approximately 3m of gravel.
Stratigraphy/Age Pleistocene(?)
Low-level gravel
Glacial Interval Unglaciated
Land form Exhumed creek flood plain
Bedrock Not exposed
(probably schist)
Alteration
SITE PLAN
Gold Bottom Road
Section
Panel
Sluice box
Gold Bottom Creek
NORTH
Station GL00-4
Date June 22, 2000
Section 4S
Panel 4P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

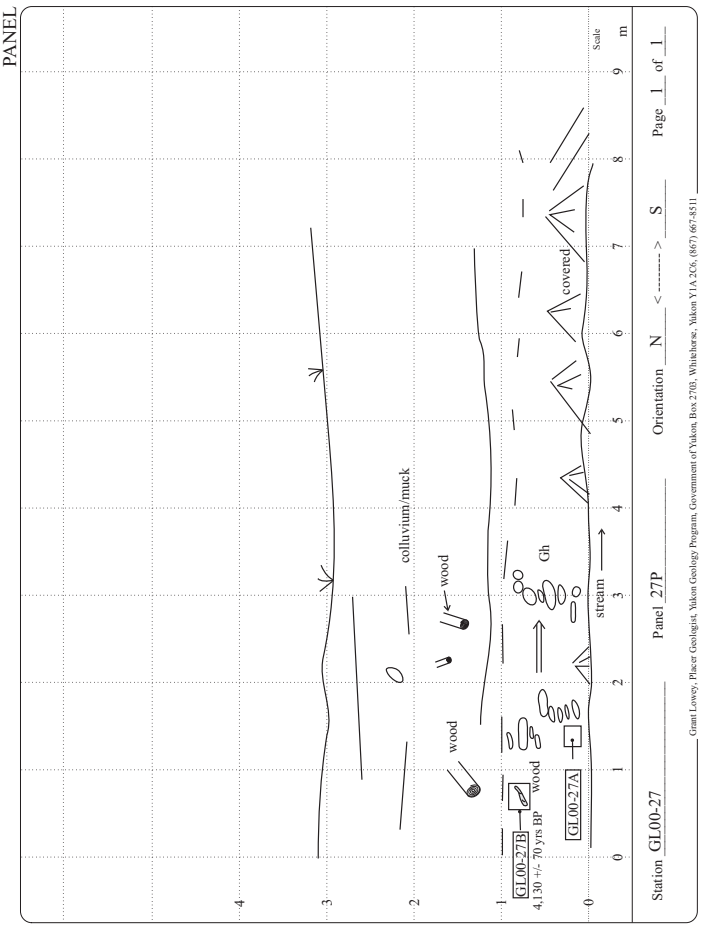

PANEL
colluvial/slide-push gravel
tree
GL00-4A
Gh
Fl
Gh
Scale
m
Station GL00-4
Panel 4P
Orientation
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

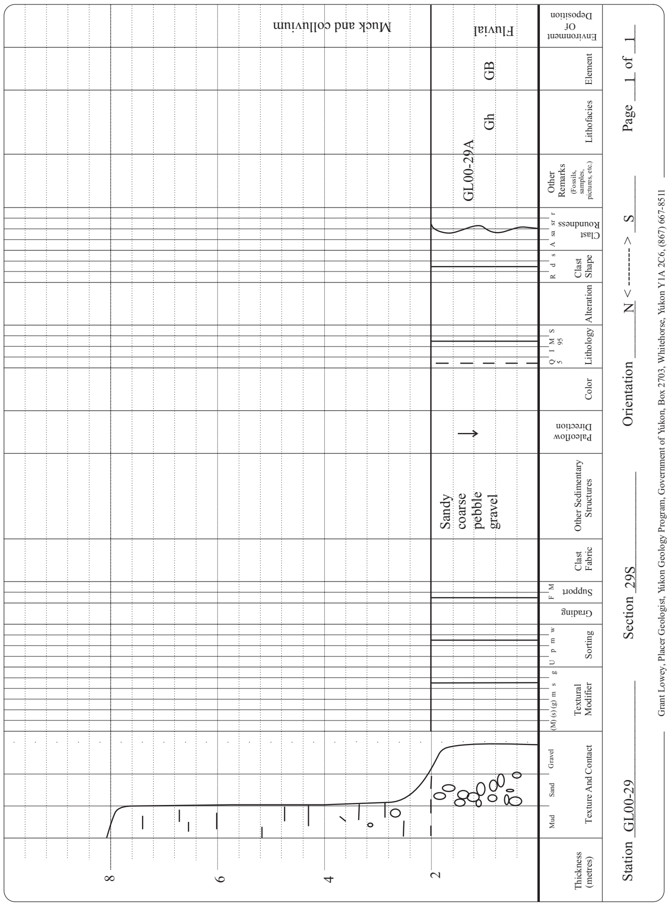

SECTION
Station GL00-15
Section 15S
Orientation E < -------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (features, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Loess gets thicker upstream 3m (abundant bones)
Colluvium
Abundant wood, debris minor loess underneath
Fluvial
Massive slightly coarse bouldery sandy coarse cobble gravel
Gh
GB
Light
Brown
Crude imbrication
Sample GL00-15A

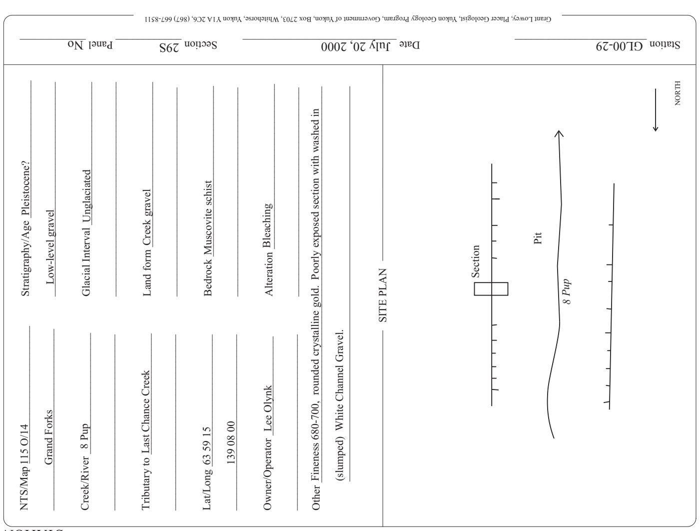

STATION
NTS/Map 115 O/15
Stratigraphy/Age Pleistocene
Flat Creek
Low-level gravel
Creek/River No Bottom Gulch
Glacial Interval Unglaciated
#24 Pup
Tributary to Hunker Creek
Land form Gulch
Lat/Long 63 54 00
Bedrock Muscovite chlorite schist
138 56 00
Owner/Operator Gerry Ahnert
Alteration Chlorite
Other Fineness 810. large chunky gold, well worn and also dendritic
(gulch fluvial placer and also colluvial placer).
SITE PLAN
Section
Mined Gulch
Valley
NORTH
Station GL00-15
Date June 28, 2000
Section 15S
Panel
No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

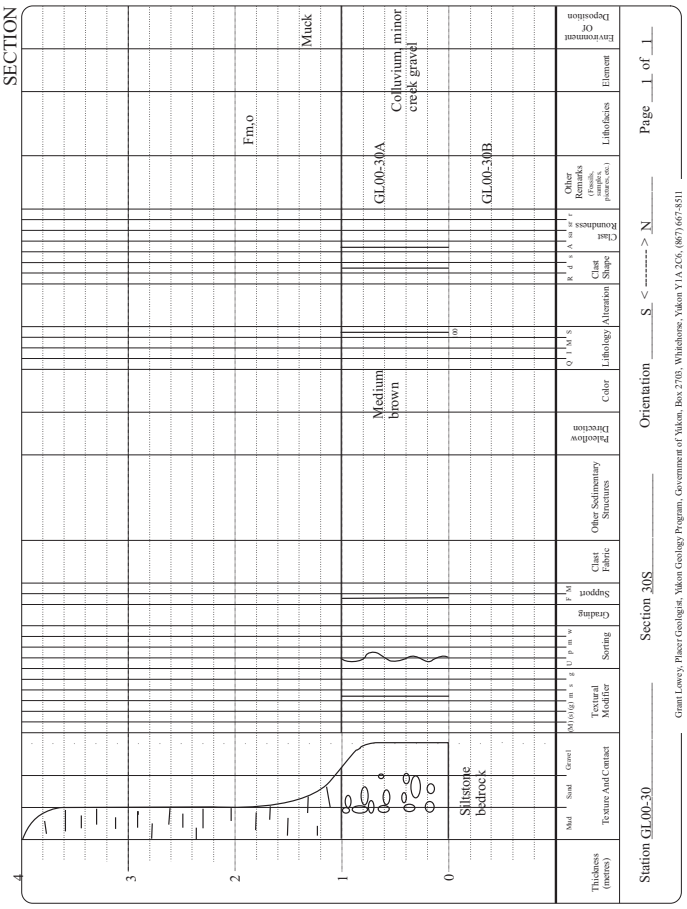

SECTION
Station G00-27
Section 27S
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
GL00-27B
GL00-27A
Medium brown
Colluvium
Wood
Gh
GB
Fluvial

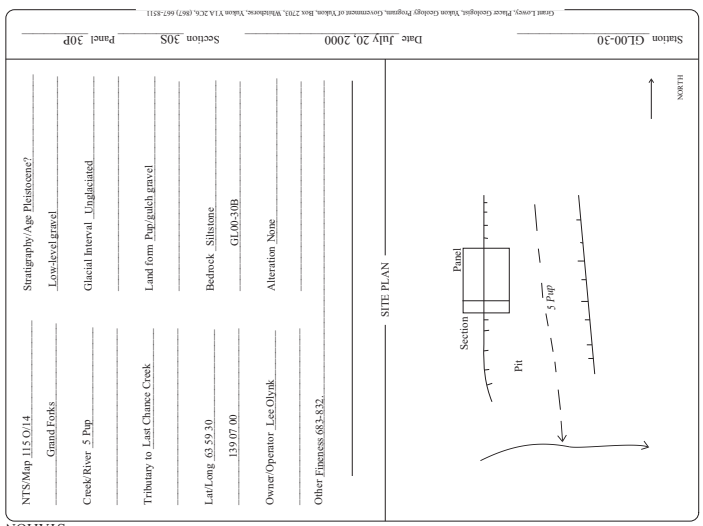

STATION
Station GL00-27
Date July 20, 2000
Section 27S
Panel 27P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/14
Stratigraphy/Age Pleistocene?
Grand Forks
Low-level gravel
Creek/River 15 Pup
Glacial Interval Unglaciated
Tributary to Last Chance Creek
Land form Gulch/ pup gravel
Bedrock Graphite - chlorite schist
Lat/Long 63 58 45
139 09 30
Owner/Operator Lee Olynik
Alteration Limonite
OtherFineness 675. Spongy gold. GL00-27C concentrate. Up to 60cm quartz core boulders, bison bones.
SITE PLAN
NORTH
Panel
Section
15 Pup
Stream cut bank

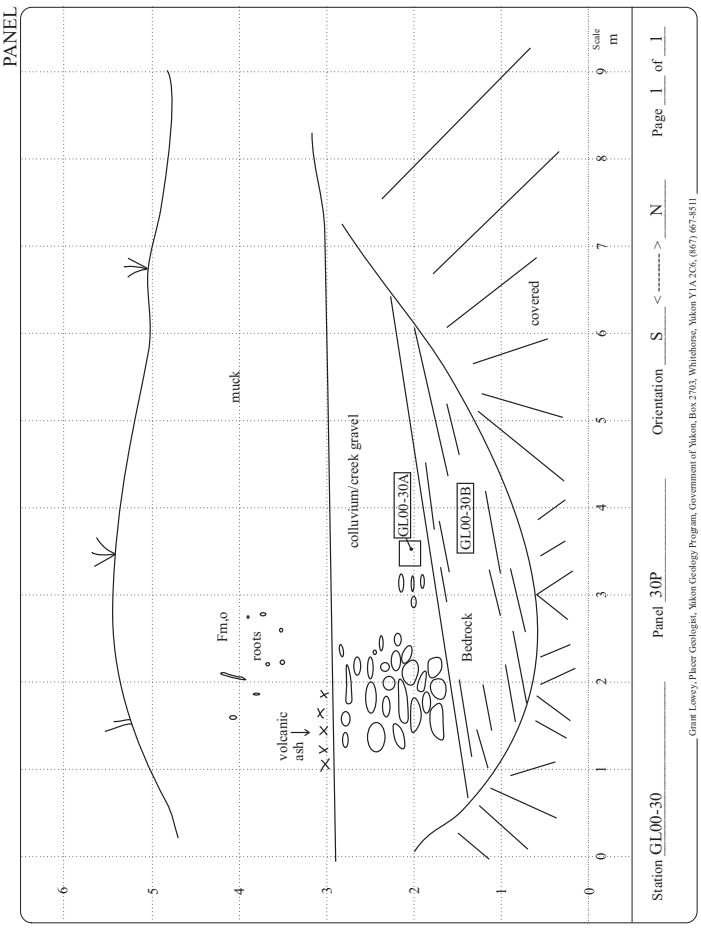

PANEL
Station GL00-27
Panel 27P
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale
m
GL00-27B
4,130 +/- 70 yrs BP
wood
GL00-27A
wood
wood
colluvium/muck
Gh
stream
covered

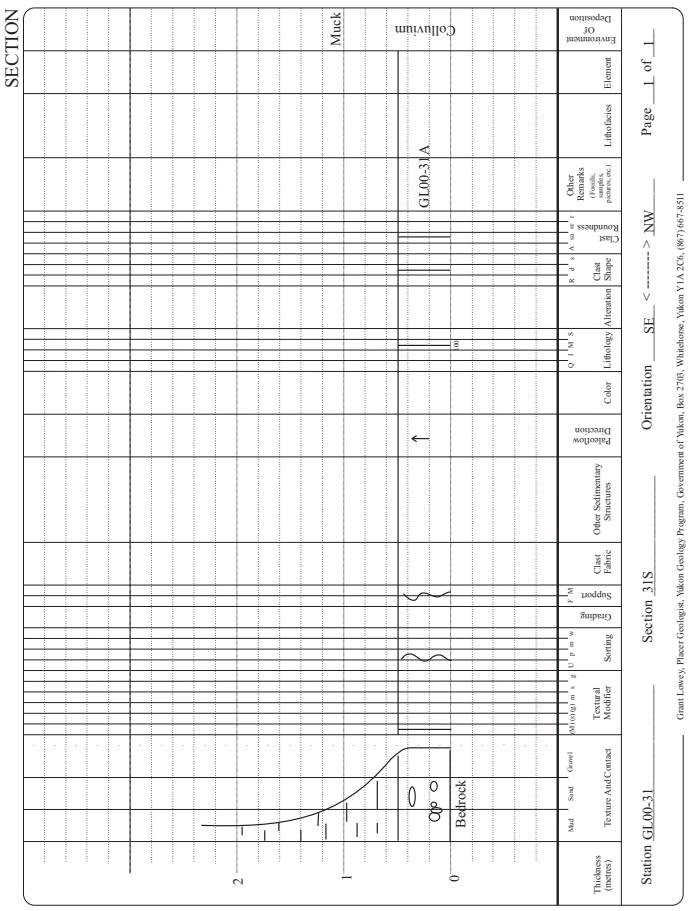

SECTION
Station GL00-29
Section 29S
Orientation N <--------> S
Page 1 of 1
Thickness (metres)
Texture And Contact
Mud Sand Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
2
4
6
8
Sandy coarse pebble gravel
GL00-29A
Gh
GB
Fluvial
Muck and colluvium
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

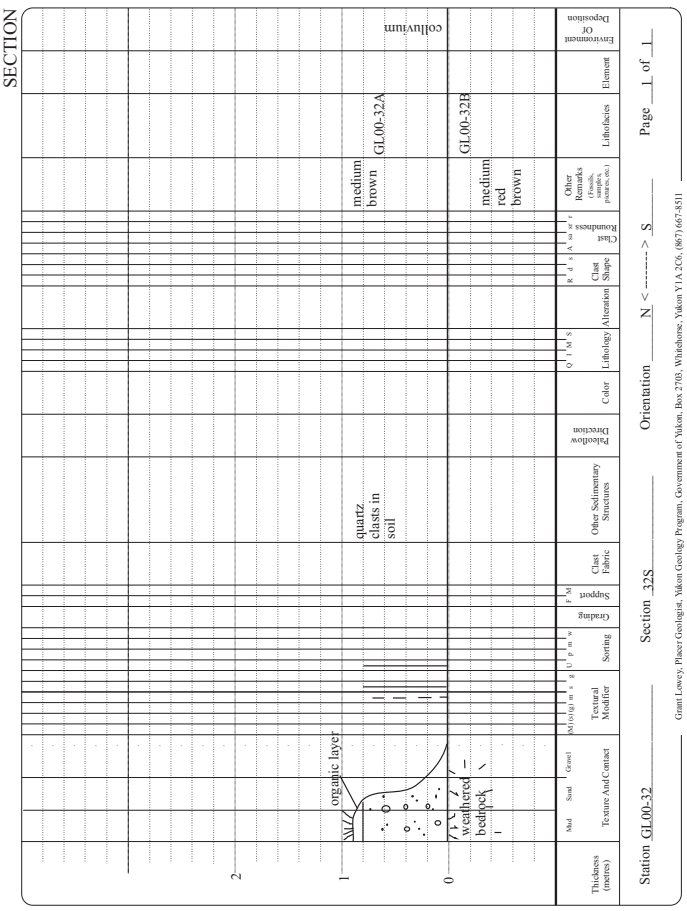

STATION
Station GL00-29
Date July 20, 2000
Section 29S
Panel No
NTS/Map 115 O/14
Grand Forks
Creek/River 8 Pup
Tributary to Last Chance Creek
Lat/Long 63 59 15
139 08 00
Owner/Operator Lee Olynk
Stratigraphy/Age Pleistocene?
Low-level gravel
Glacial Interval Unglaciated
Land form Creek gravel
Bedrock Muscovite schist
Alteration Bleaching
Other Fineness 680-700, rounded crystalline gold. Poorly exposed section with washed in
(slumped) White Channel Gravel.
SITE PLAN
Section
Pit
8 Pup
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL00-30
Section 30S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
GL00-30A
GL00-30B
Fm,o
Muck
Colluvium, minor creek gravel
Medium brown
Siltstone bedrock


STATION
Station GL00-30
Date July 20, 2000
Section 30S
Panel 30P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/14
Stratigraphy/Age Pleistocene?
Grand Forks
Low-level gravel
Creek/River 5 Pup
Glacial Interval Unglaciated
Tributary to Last Chance Creek
Land form Pup/gulch gravel
Bedrock Siltstone
GL00-30B
Lat/Long 63 59 30
139 07 00
Owner/Operator Lee Olynik
Alteration None
Other Fineness (63-832
SITE PLAN
Panel
Section
Pit
5 Pup
NORTH


PANEL
Station GL00-30
Panel 30P
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
muck
Fm,o
roots
volcanic ash
colluvium/creek gravel
GL00-30A
GL00-30B
Bedrock
covered


SECTION
Muck
Colluvium
GL00-31A
Qp
Bedrock
Station GL00-31
Section 31S
Orientation SE < ------- > NW
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
colluvium
GL00-32A
GL00-32B
medium brown
medium red brown
quartz clasts in soil
organic layer
weathered bedrock
Station GL00-32
Section 32S
Orientation N < ------- > S
Page 1 of 1
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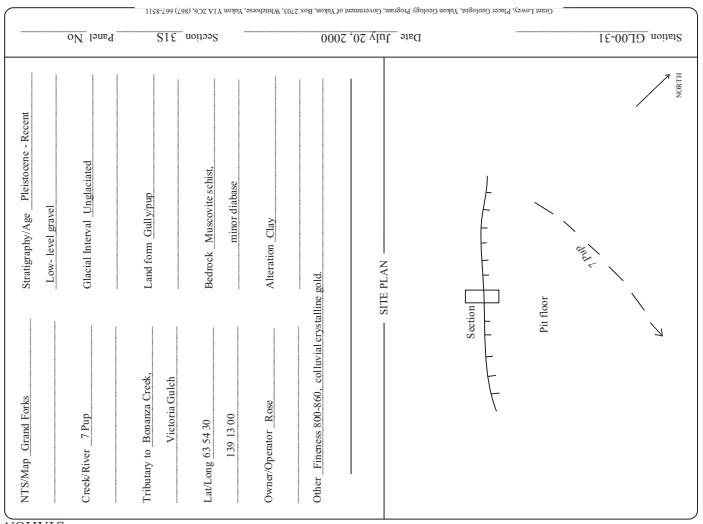
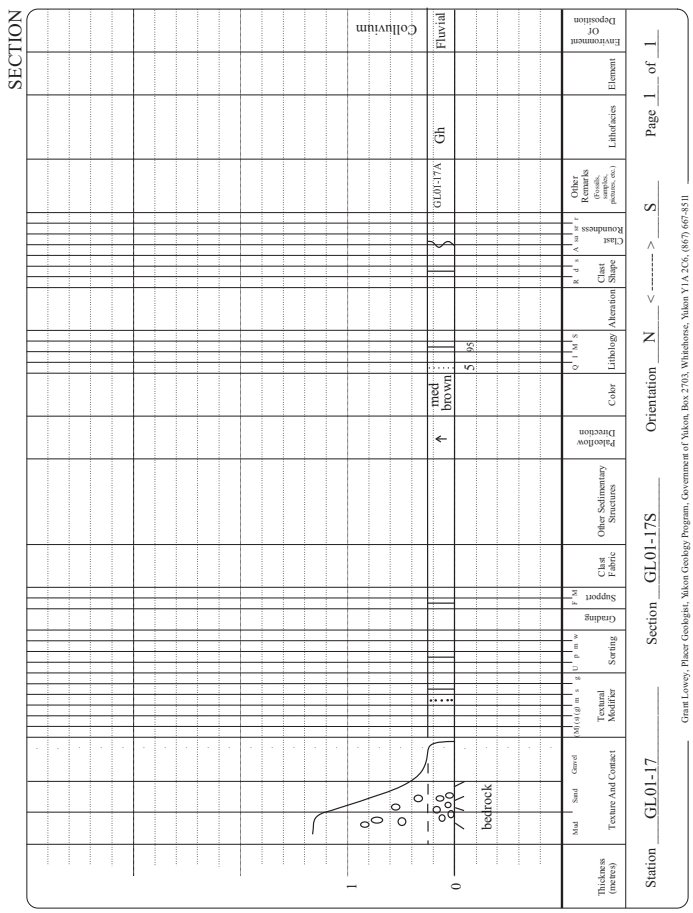
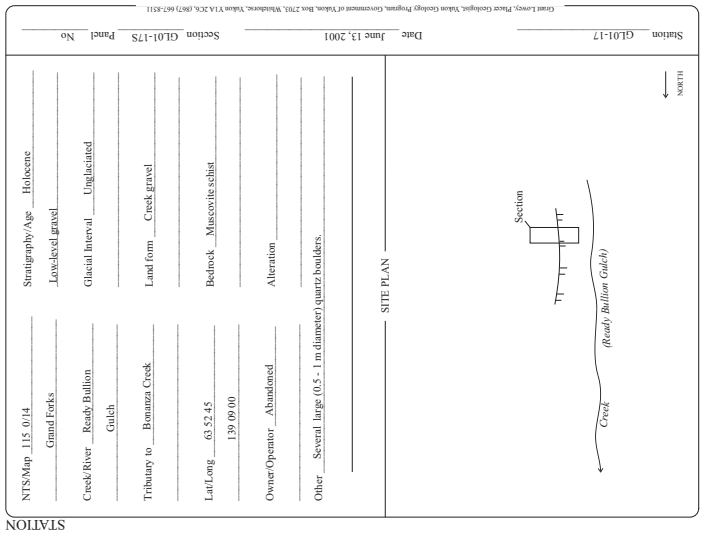
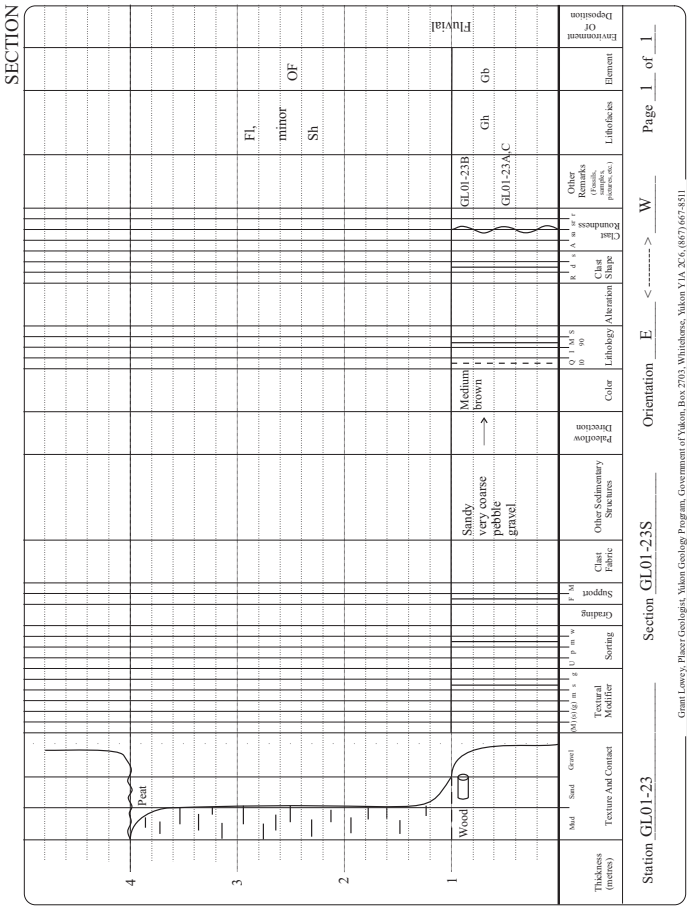
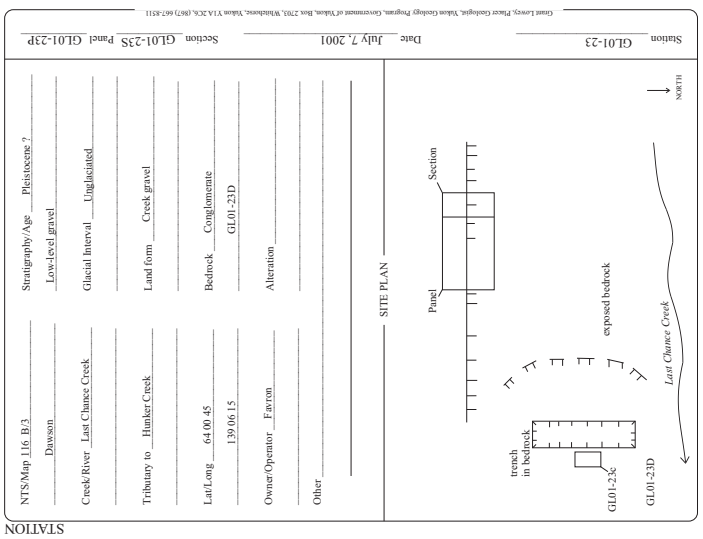

STATION
NTS/Map 115 O/14
Grand Forks
Creek/River 7 Pup
Tributary to Victoria Gulch
Lat/Long 63 54 00
139 13 00
Owner/Operator Jerry Bryde
Other Fineness 800-860, crystalline gold in organic layers, colluvium and weathered bedrock
(bedrock weathers to soft clay in about 2-3 years).
Stratigraphy/Age Pleistocene - Recent
Low-level gravel
Glacial Interval Unglaciated
Land form Colluvium and bedrock
Bedrock Muscovite schist
Alteration Clay
SITE PLAN
tailings
sluice box
7 Pup
section
NORTH
Station GL00-32
Date July 20, 2000
Section 32S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

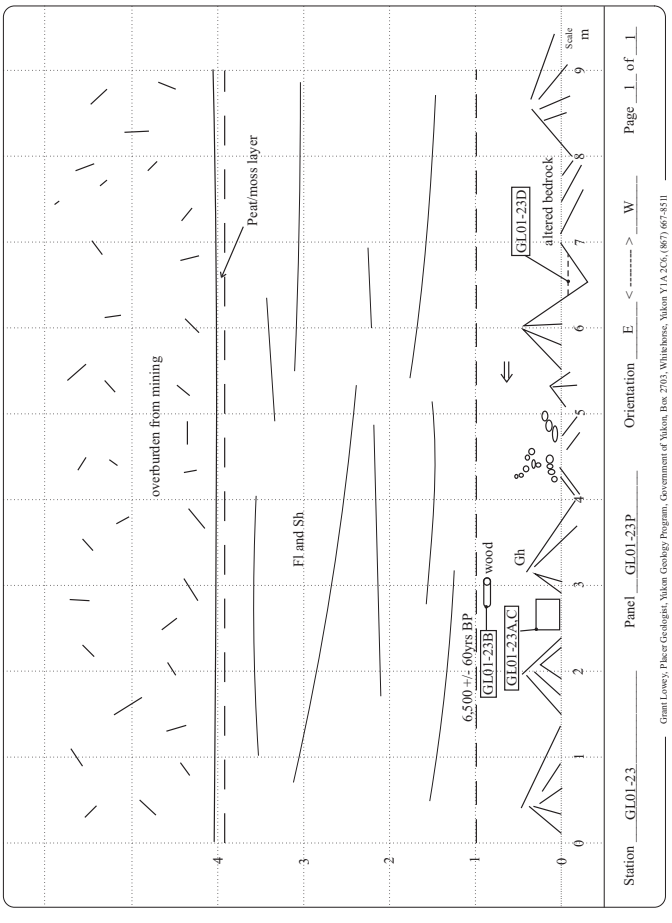
STATION
NTS/Map 115 O/14
Grand Forks
Creek/River 7 Pup
Tributary to Victoria Gulch
Lat/Long 63 54 30
139 13 00
Owner/Operator Rose
Other Fineness 800-860, colluvial crystalline gold
Stratigraphy/Age Pleistocene - Recent
Low- level gravel
Glacial Interval Unglaciated
Land form Gully/rup
Bedrock Muscovite schist,
minor diabase
Alteration Clay
SITE PLAN
Section
Pit floor
7 Pup
NORTH
Station GL00-31
Date July 20, 2000
Section 31S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

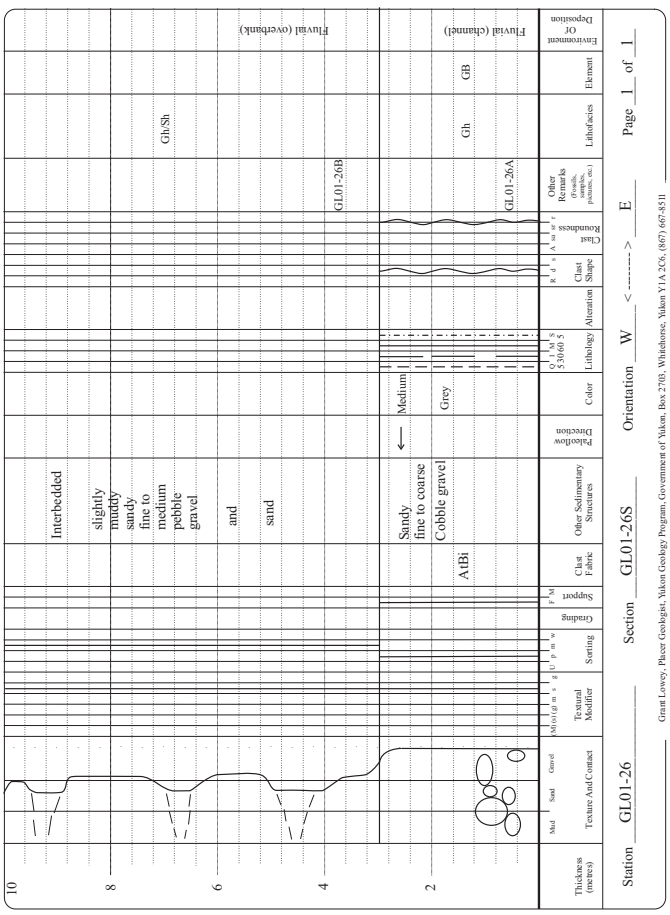

SECTION
Colluvium
Fluvial
GL01-17A
Gh
med brown
bedrock
Station GL01-17
Section GL01-17S
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

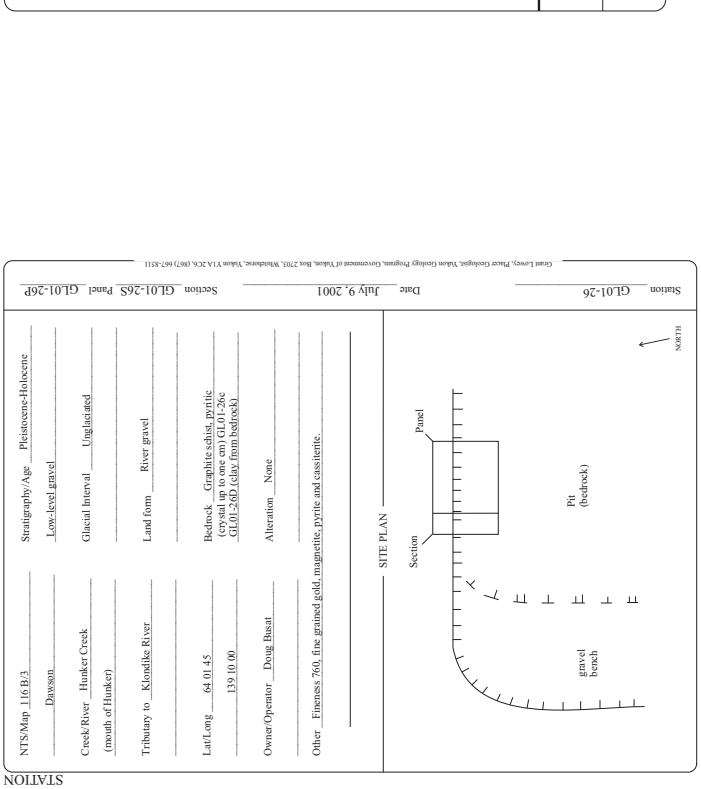

STATION
NTS/Map 115 O/14
Stratigraphy/Age Holocene
Grand Forks
Low-level gravel
Creek/River Ready Bullion
Glacial Interval Unglaciated
Gulch
Tributary to Bonanza Creek
Land form Creek gravel
Lat/Long 63 52 45
139 09 00
Bedrock Muscovite schist
Owner/Operator Abandoned
Alteration
Other Several large (0.5 - 1 m diameter) quartz boulders.
SITE PLAN
Section
Creek
(Ready Bullion Gulch)
NORTH
Station GL01-17
Date June 13, 2001
Section GL01-17S
Panel
No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL01-23
Section GL01-23S
Orientation E <-------> W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Peat
Wood
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Medium brown
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (features, samples, pictures, etc.)
GL01-23B
GL01-23A,C
Lithofacies
Fl, minor Sh
Gh
Gb
Element
Fluvial
Environment Of Deposition

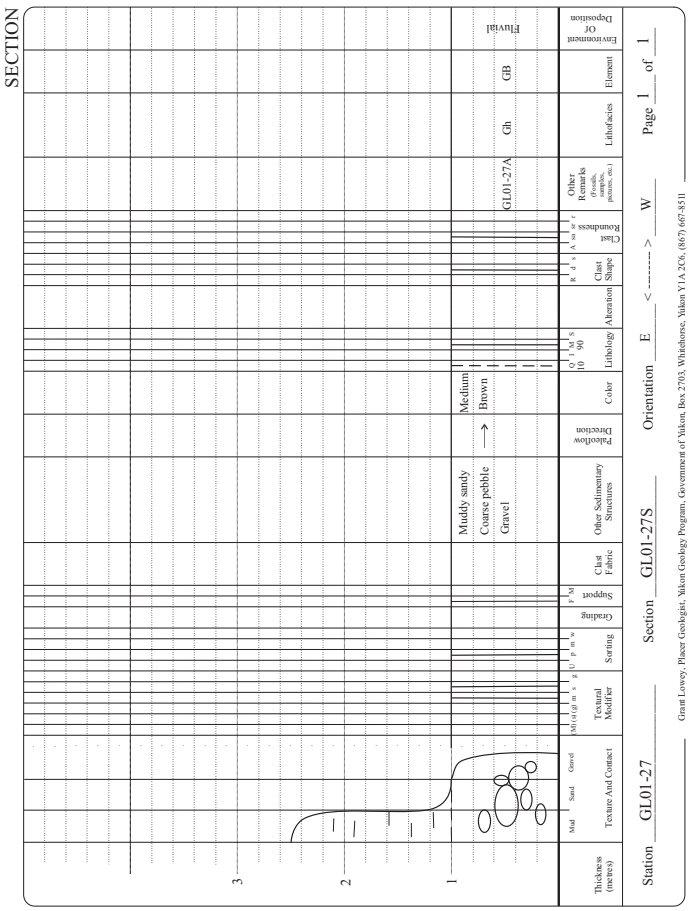

STATION
Station GL01-23
Date July 7, 2001
Section GL01-23S
Panel GL01-23P
Stratigraphy/Age Pleistocene ?
Low-level gravel
NTS/Map 116 B/3
Dawson
Creek/River Last Chance Creek
Glacial Interval Unglaciated
Tributary to Hunker Creek
Land form Creek gravel
Lat/Long 64 00 45
139 06 15
Bedrock Conglomerate
GL01-23D
Owner/Operator Favron
Alteration
Other
SITE PLAN
Panel
Section
exposed bedrock
trench in bedrock
GL01-23c
GL01-23D
Last Chance Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

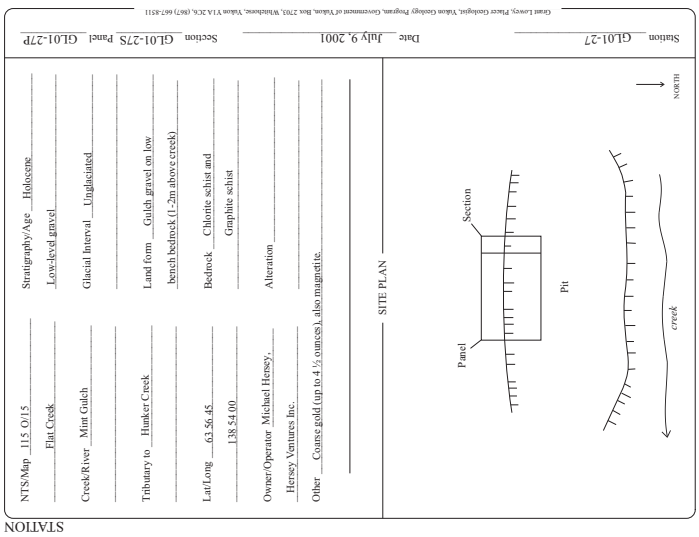

PANEL
overburden from mining
Peat/moss layer
Fl and Sh
6,500 +/- 60yrs BP
GL01-23B
wood
GL01-23A,C
Gh
GL01-23D
altered bedrock
Station GL01-23
Panel GL01-23P
Orientation E <-------> W
Page 1 of 1
Scale m
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL01-26
Section GL01-26S
Orientation W < ------ > E
Page 1 of 1
Interbedded slightly muddy sandy fine to medium pebble gravel and sand
Sandy fine to coarse Cobble gravel
AtBi
Gh/Sh
Gh
GB
Fluvial (overbank)
Fluvial (channel)
GL01-26B
GL01-26A
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

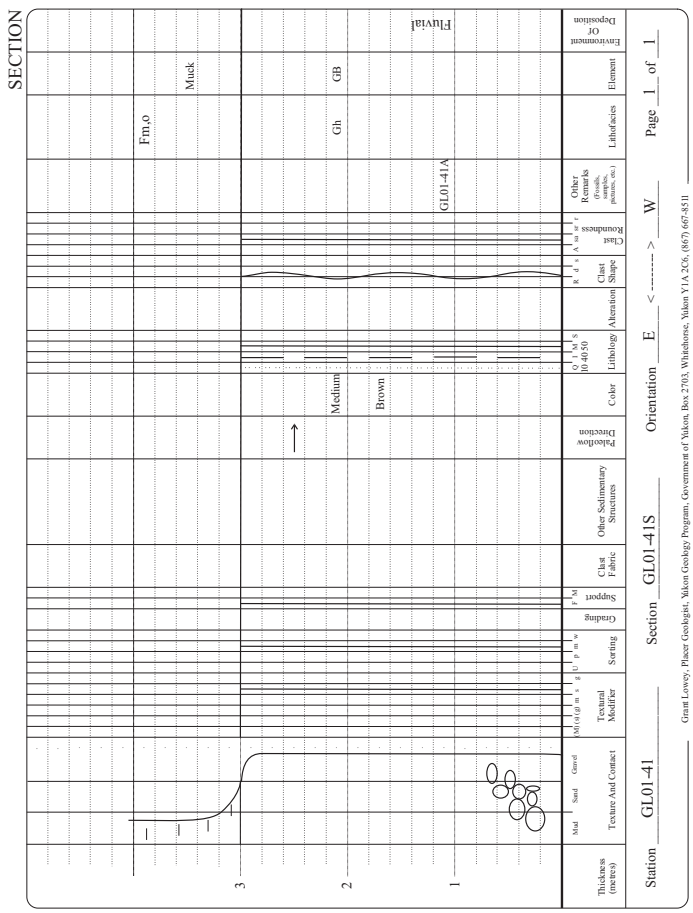

STATION
NTS/Map 116 B/3
Stratigraphy/Age Pleistocene-Holocene
Dawson
Low-level gravel
Creek/River Hunker Creek
(mouth of Hunker)
Glacial Interval Unglaciated
Tributary to Klondike River
Land form River gravel
Lat/Long 64 01 45
139 10 00
Bedrock Graphite schist, pyritic (crystal up to one cm) GL01-26c GL01-26D (clip) from bedrock)
Owner/Operator Doug Busat
Alteration None
Other Fineness 760, fine grained gold, magnetite, pyrite and cassiterite.
SITE PLAN
Section
Panel
Pit (bedrock)
gravel bench
NORTH
Station GL01-26
Date July 9, 2001
Section GL01-26S Panel GL01-26P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

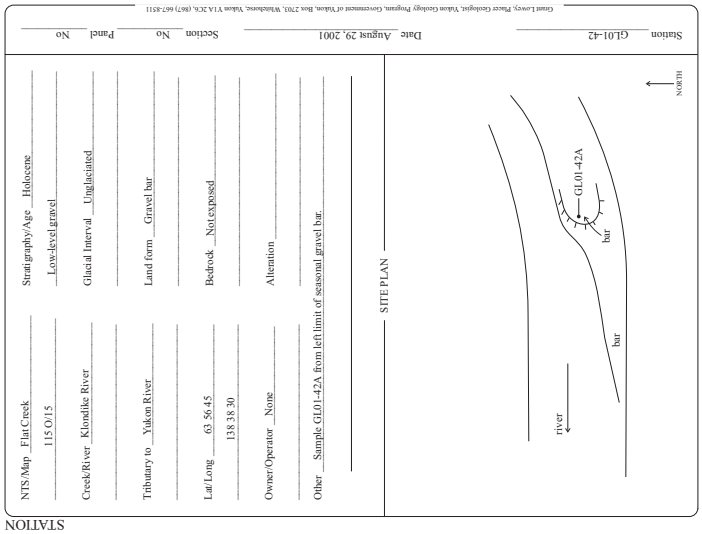

PANEL
Gp
Sh / Fl
GL01-26F
210 +/- 40 yrs BP
Sh
Gp
Sh
GL01-26B
Gp
GL01-26E
Paleoflow
Gh
GL01-26A
bedrock
pit floor
Station GL01-26
Panel GL01-26P
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

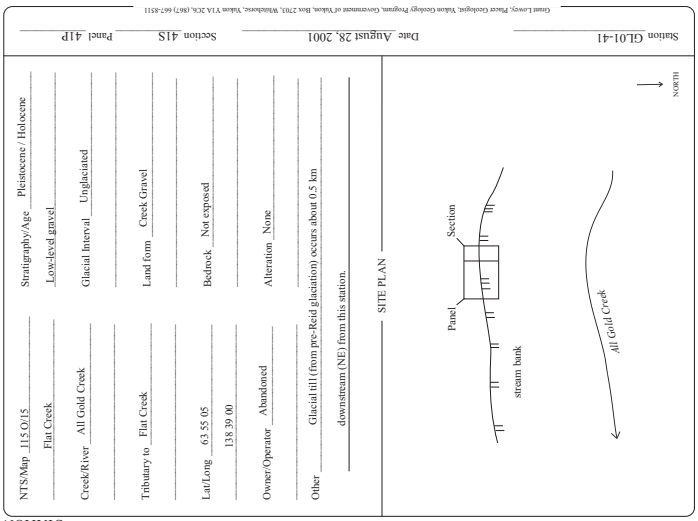

SECTION
Station GL01-27
Section GL01-27S
Orientation E < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (inches)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast Size
Other Remarks (features, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Muddy sandy
Coarse pebble
Gravel
Medium
Brown
GL01-27A
Gh
GB
Fluvial

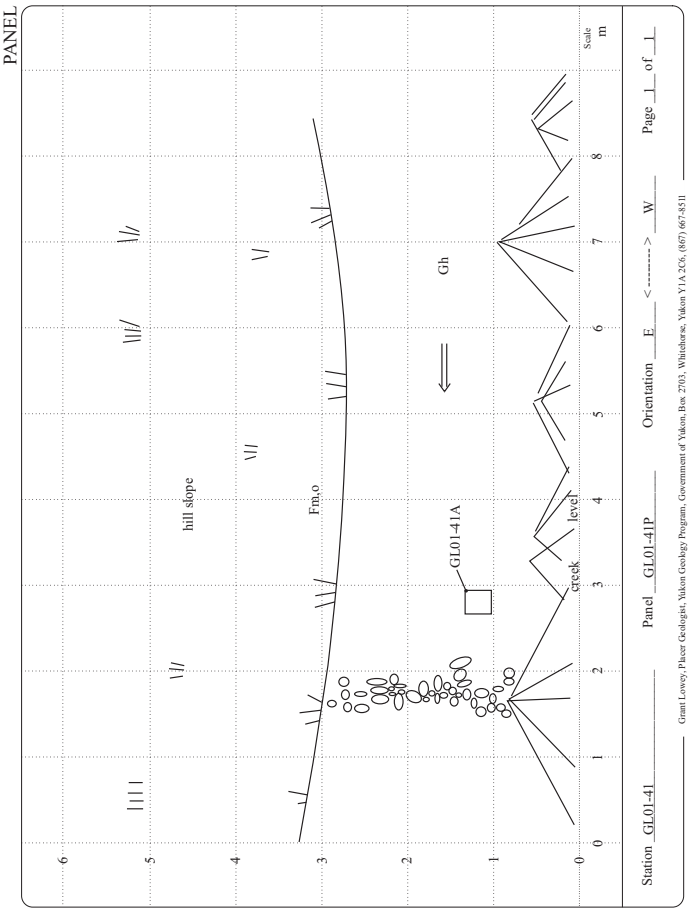

STATION
Station GL01-27
Date July 9, 2001
Section GL01-27S Panel GL01-27P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/15
Stratigraphy/Age Holocene
Flat Creek
Low-level gravel
Creek/River Mint Gulch
Glacial Interval Unglaciated
Tributary to Hunker Creek
Land form Gulch gravel on low
bench bedrock (1-2m above creek)
Lat/Long 63 56 45
138 54 00
Bedrock Chlorite schist and
Graphite schist
Owner/Operator Michael Hersey,
Hersey Ventures Inc.
Alteration
Other Coarse gold (up to 4 ½ ounces), also magnetite.
SITE PLAN
Panel
Section
Pit
creek
NORTH

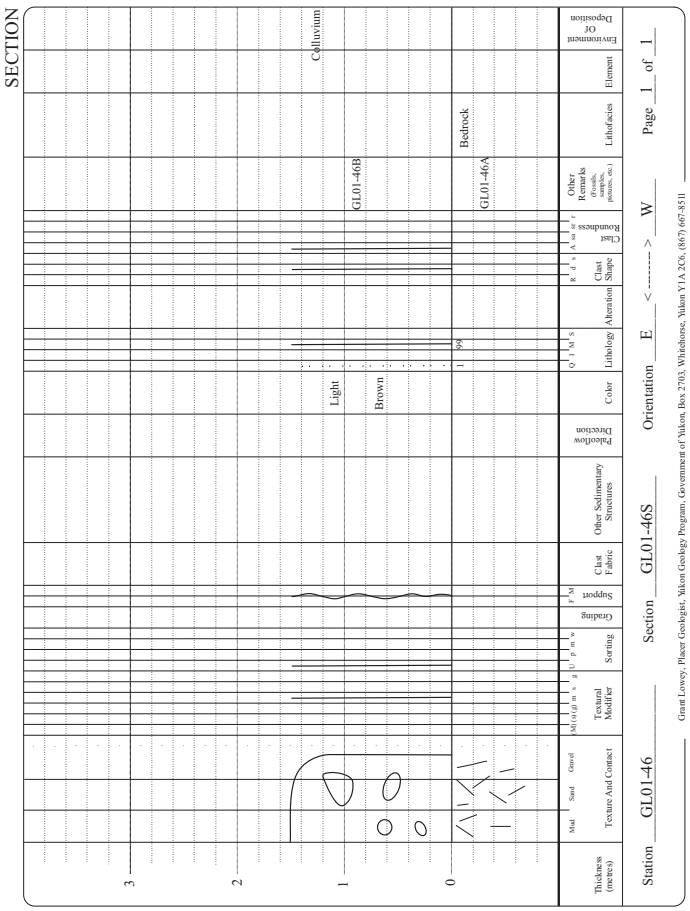

PANEL
Station GL01-27
Panel GL01-27P
Orientation E < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
Gh
GL01-27A
slide rock
colluvium
paleoflow
pit
floor
bedrock

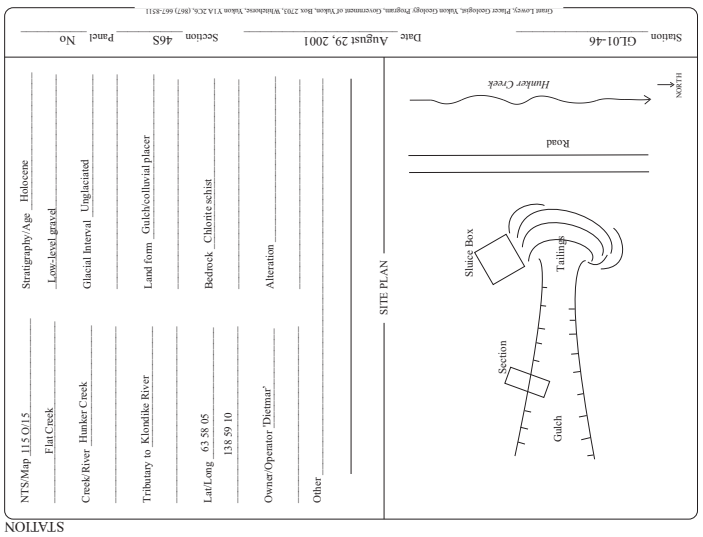

SECTION
Station GL01-41
Section GL01-41S
Orientation E < ------ > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast Size
Other Remarks
Lithofacies
Element
Environment Of Deposition
Fm,o
Muck
Gh
GB
Fluvial
GL01-41A
Medium
Brown


STATION
NTS/Map 115 O/15
Flat Creek
Creek/River Klondike River
Tributary to Yukon River
Lat/Long 63 56 45
138 38 30
Owner/Operator None
Other Sample GL01-42A from left limit of seasonal gravel bar.
Stratigraphy/Age Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Gravel bar
Bedrock Not exposed
Alteration
Station GL01-42
Date August 29, 2001
Section No
Panel No
SITE PLAN
river
bar
bar
GL01-42A
NORTH
(Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 O/15
Flat Creek
Creek/River All Gold Creek
Tributary to Flat Creek
Lat/Long 63 55 05
138 39 00
Owner/Operator Abandoned
Other Glacial till (from pre-Reid glaciation) occurs about 0.5 km downstream (NE) from this station.
Stratigraphy/Age Pleistocene / Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Creek Gravel
Bedrock Not exposed
Alteration None
Station GL01-41
Date August 28, 2001
Section 41S
Panel 41P
SITE PLAN
Section
Panel
stream bank
All Gold Creek
NORTH
(Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
Station GL01-41
Panel GL01-41P
Orientation E < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
hill slope
Fm,o
GL01-41A
creek level
Gh

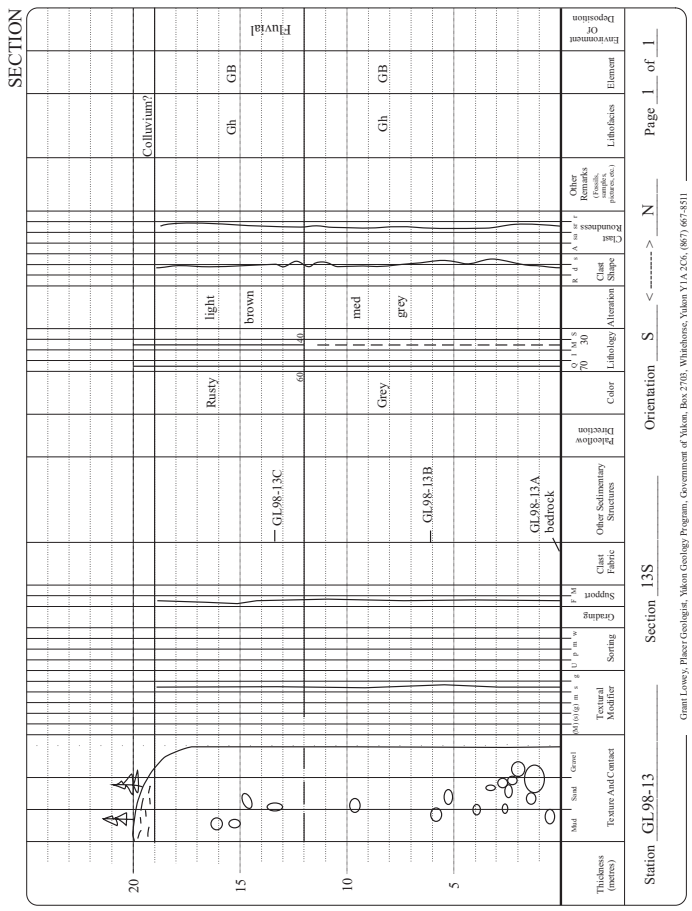

SECTION
Station GL01-46
Section GL01-46S
Orientation E < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (inches)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast
Other Remarks (GPS data, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Bedrock
Colluvium
Light
Brown
GL01-46A
GL01-46B

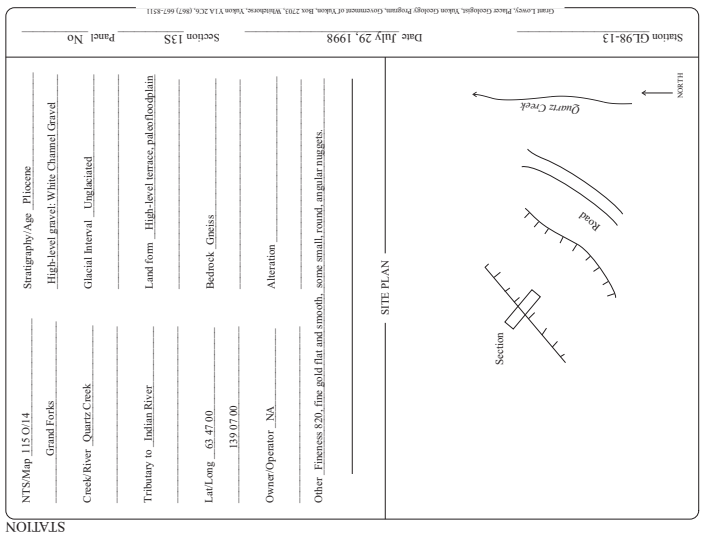

STATION
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/15
Stratigraphy/Age Holocene
Flat Creek
Low-level gravel
Creek/River Hunker Creek
Glacial Interval Unglaciated
Tributary to Klondike River
Land form Gulch/colluvial placer
Lat/Long 63 58 05
138 89 10
Bedrock Chlorite schist
Owner/Operator 'Dietmar'
Alteration
Other
SITE PLAN
Station GL01-46
Date August 29, 2001
Section 46S
Panel No
Sluice Box
Tailings
Section
Gulch
Road
Hunker Creek
NORTH

Appendix 8

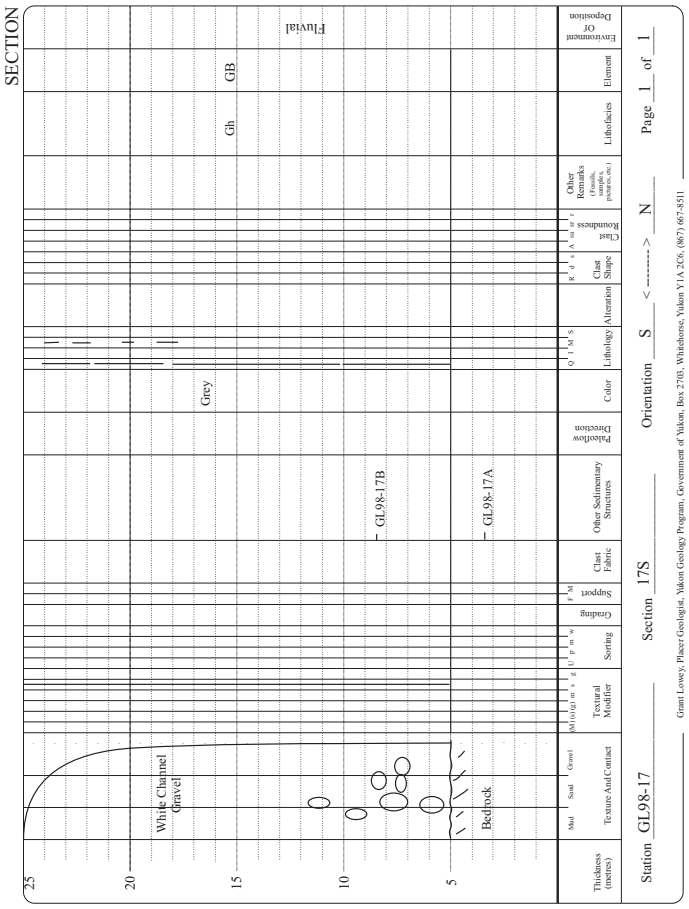
Station descriptions, Indian River drainage

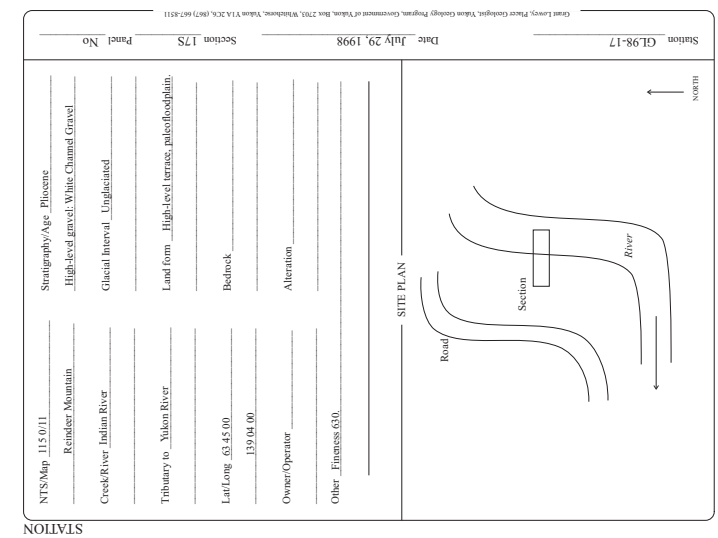
GL98-13 161
GL98-16 161
GL98-17 162
GL98-24 162
GL98-26 163
GL98-27 164
GL99-24 165
GL98-29 166
GL98-14 166
GL98-22 167
GL98-15 167
GL98-36 168
GL98-38 168
GL98-50 169
GL01-31 170
GL98-11 171
GL98-23 171
GL98-18 172
GL98-37 172
GL98-41 173
GL99-48 173
GL00-33 174
GL00-54 175
GL01-12 176
GL97-21,22 177
GL98-39 177
GL98-40 178
GL98-42 179
GL98-46 180
GL00-02 181
GL00-25 182
GL00-40 183
GL98-12 184
GL98-21 184
GL98-25 185
GL98-28 185
GL98-34 186
GL98-30 186
GL98-35 186
GL98-44 187
GL98-47 187
GL98-48 188
GL99-04 189
GL99-37 190
GL99-38 191
GL99-39 192
GL99-49 192
GL00-34 193
GL00-35 194
GL00-55 195
GL00-56 196
GL01-13 197
GL01-14 198

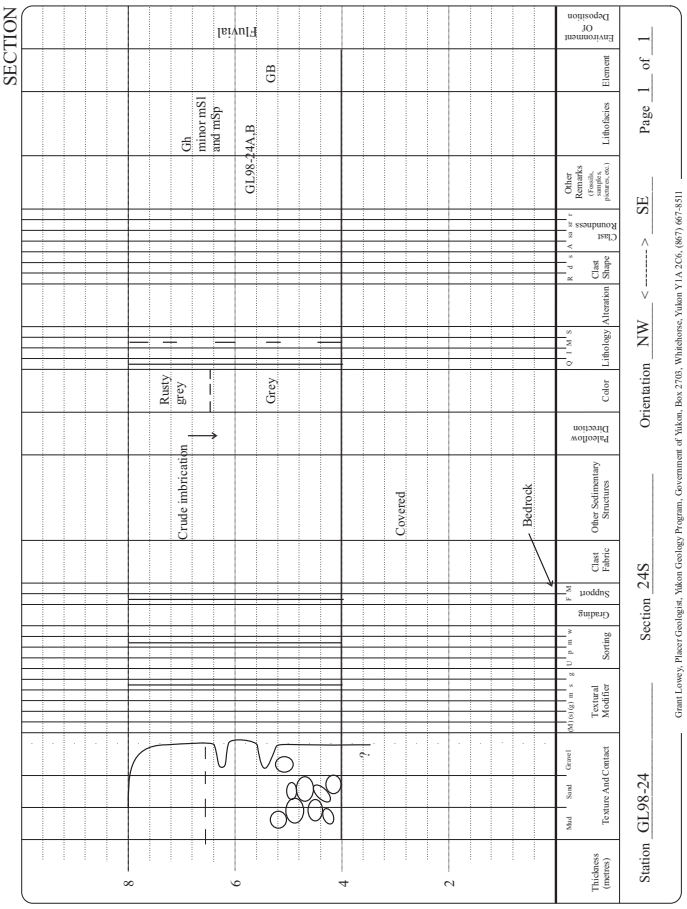

SECTION
Station GL98-13
Section 13S
Orientation S < ------ > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Colluvium?
Fluvial
Rusty
light brown
Grey
med grey
GL98-13C
GL98-13B
GL98-13A bedrock
Gh
GB

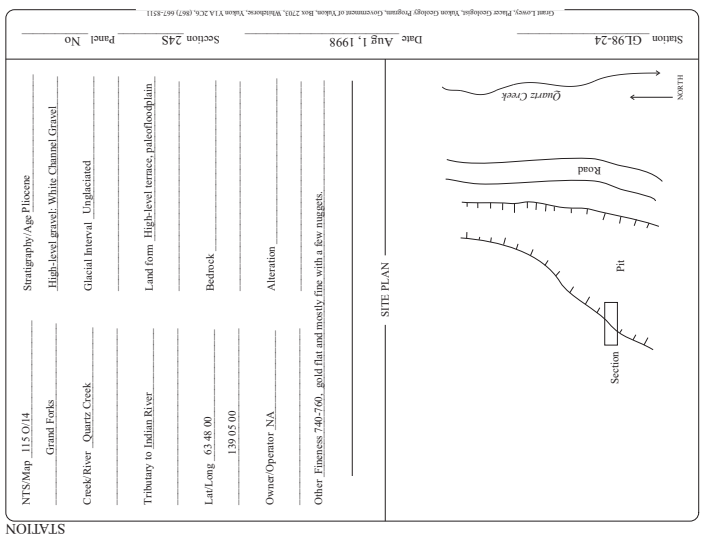

STATION
NTS/Map 115 O/14
Stratigraphy/Age Pliocene
Grand Forks
High-level gravel; White Channel Gravel
Creek/River Quartz Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form High-level terrace, paleofloodplain
Lat/Long 63 47 00
139 07 00
Bedrock Gneiss
Owner/Operator NA
Alteration
Other Fineness 820, fine gold flat and smooth, some small, round, angular nuggets.
Station GL98-13
Date July 29, 1998
Section 13S
Panel No
SITE PLAN
Quartz Creek
road
Section
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

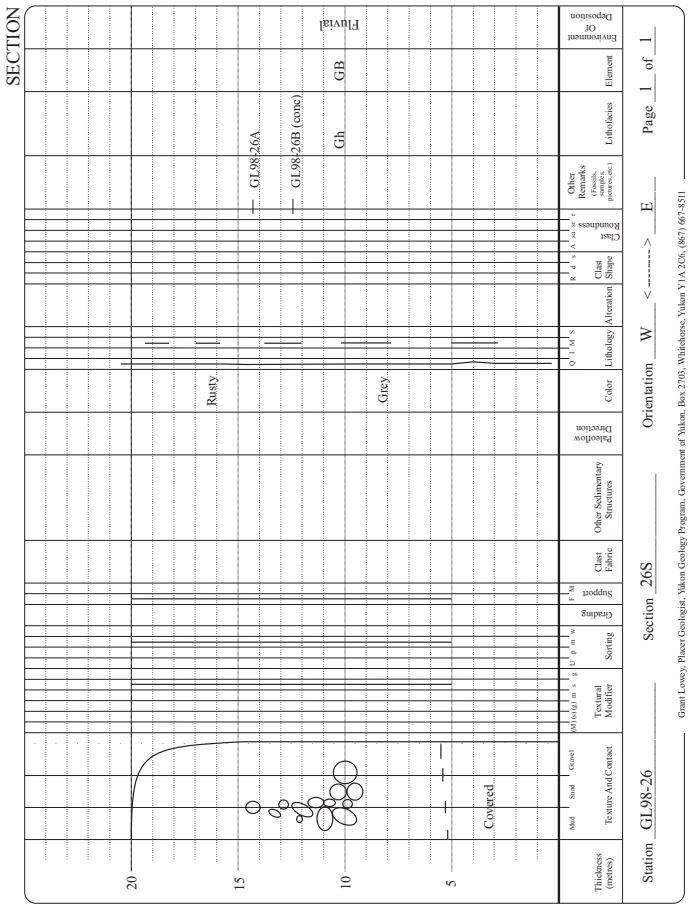
STATION
NTS/Map 115 O/11
Stratigraphy/Age Pliocene
Reindeer Mountian
High-level gravel; White Channel Gravel
Creek/River Indian River
Glacial Interval Unglaciated
Tributary to Yukon River
Land form High-level terrace, paleofloodplain
Lat/Long 63 44 49
139 05 30
Bedrock NA
Owner/Operator NA
Alteration NA
Other Sample GL98-16A, GL98-16B.
Station GL98-16
Date July 29, 1998
Section No
Panel No
SITE PLAN
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

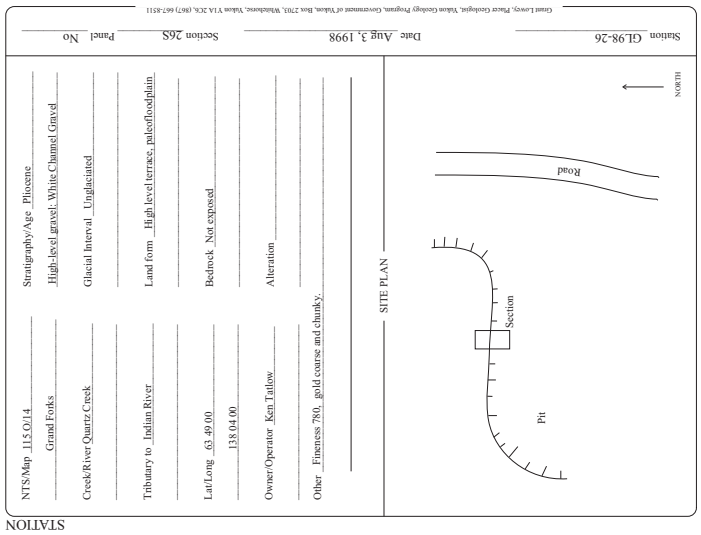

SECTION
Station GL98-17
Section 17S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Cladding
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, photos etc)
Lithofacies Element
Environment Of Deposition
White Channel Gravel
Grey
Gh
GB
Fluvial
GL98-17B
GL98-17A
Bedrock

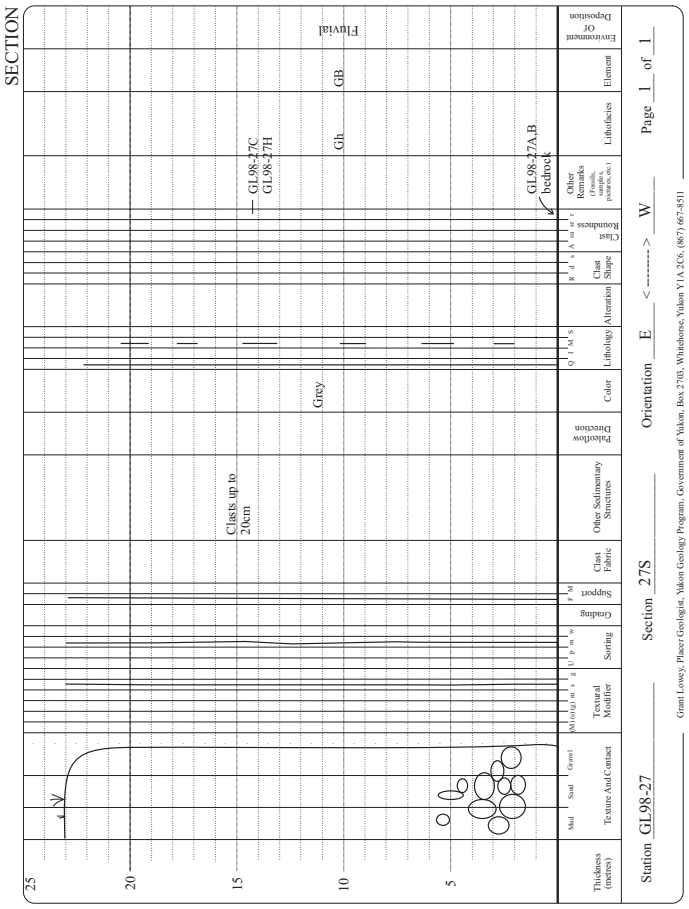

STATION
Station GL98-17
Date July 29, 1998
Section 17S
Panel No
Stratigraphy/Age Pliocene
High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High-level terrace, paleofloodplain
Bedrock
Alteration
Owner/Operator
Other Fineness 630
NTS/Map 115 O/11
Reindeer Mountain
Creek/River Indian River
Tributary to Yukon River
Lat/Long 63 45 00
139 04 00
SITE PLAN
Road
Section
River
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

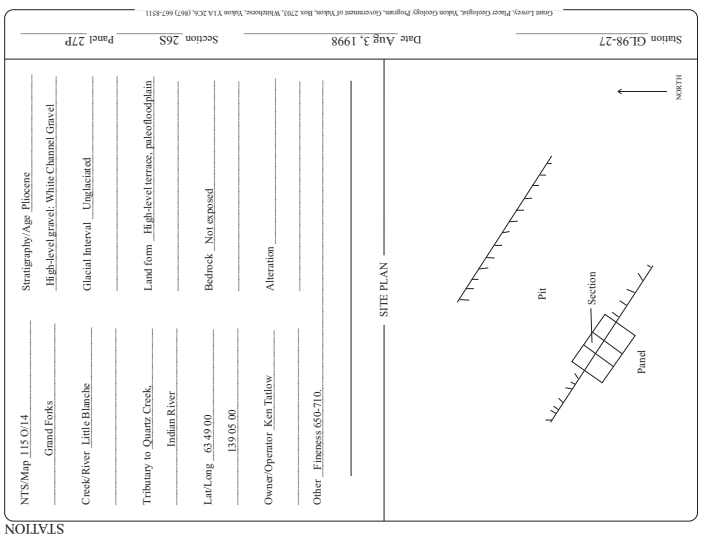

SECTION
Station GL98-24
Section 24S
Orientation NW < ------- > SE
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Cladding
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, photos etc)
Lithofacies Element
Environment Of Deposition
Rusty grey
Crude imbrication
Gh minor mSl and mSp
GL98-24A,B
GB
Grey
Covered
Bedrock
Fluvial

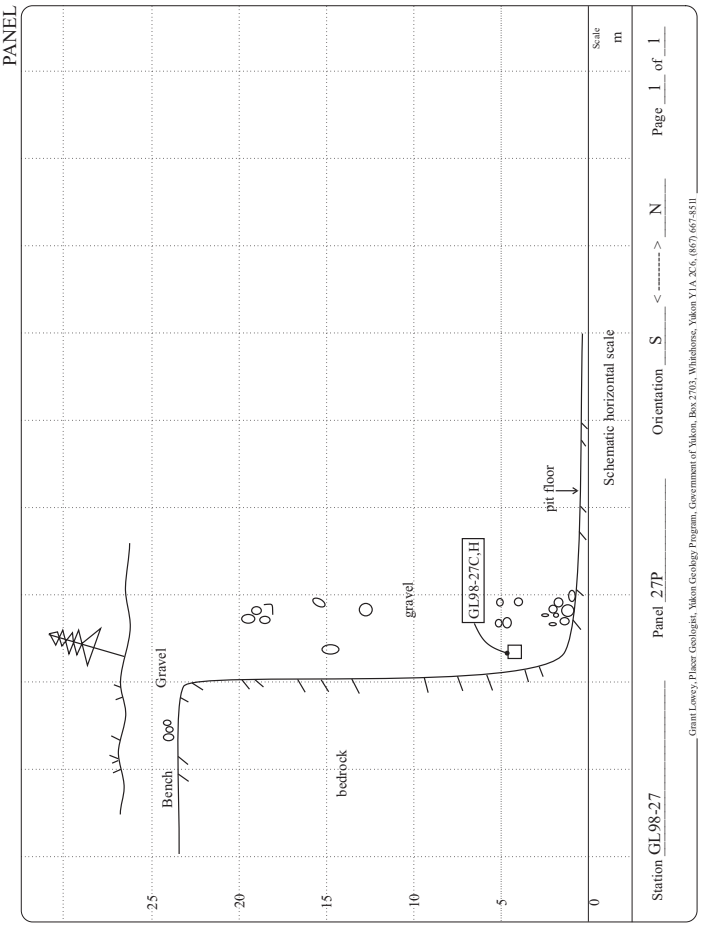

STATION
Station GL98-24
Date Aug 1, 1998
Section 24S
Panel No
Stratigraphy/Age Pliocene
High-level gravel: White Channel Gravel
Glacial Interval Unglaciated
Land form High-level terrace, paleofloodplain
Bedrock
Alteration
Owner/Operator NA
Other Fineness 740-760 gold flat and mostly fine with a few nuggets.
NTS/Map 115 O/14
Grand Forks
Creek/River Quartz Creek
Tributary to Indian River
Lat/Long 63 48 00
139 05 00
SITE PLAN
Quartz Creek
Road
Pit
Section
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL98-26
Section 26S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Alteration
Other Remarks
Lithofacies
Element
Environment Of Deposition
Rusty
Grey
Covered
GL98-26A
GL98-26B (conc)
Gh
GB
Fluvial


STATION
NTS/Map 115 O/14
Stratigraphy/Age Pliocene
Grand Forks
High-level gravel; White Channel Gravel
Creek/River Quartz Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form High level terrace, paleofloodplain
Lat/Long 63 49 00
138 04 00
Bedrock Not exposed
Owner/Operator Ken Tatlow
Alteration
Other Fineness 780, gold coarse and chunky.
SITE PLAN
Road
Section
Pit
NORTH
Station GL98-26
Date Aug 3, 1998
Section 26S
Panel
No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL98-27
Section 27S
Orientation E < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (structures, samples, photos etc.)
Lithofacies
Element
Environment Of Deposition
Clasts up to 20cm
Grey
GL98-27C
GL98-27H
GL98-27A,B
bedrock
Gh
GB
Fluvial


STATION
Station GL98-27
Date Aug 3, 1998
Section 26S
Panel 27P
NTS/Map 115 O/14
Grand Forks
Stratigraphy/Age Pliocene
High-level gravel; White Channel Gravel
Creek/River Little Blanche
Glacial Interval Unglaciated
Tributary to Quartz Creek,
Indian River
Land form High-level terrace, paleo/floodplain
Lat/Long 63 49 00
139 05 00
Bedrock Not exposed
Owner/Operator Ken Tatlow
Alteration
Other Fineness 650-710
SITE PLAN
NORTH
Pit
Section
Panel
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
Station GL98-27
Panel 27P
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Bench
Gravel
bedrock
gravel
GL98-27C,H
pit floor
Schematic horizontal scale
Scale
m

STATION

NTS/Map 115 O/14 Stratigraphy/Age Pliocene

Grand Forks High-level gravel: White Channel Gravel

Creek/River Quartz Creek Glacial Interval Unglaciated

Tributary to Indian River Landform High-level terrace, paleofloodplain

Lat/Long 63 49 00 Bedrock Chlorite schist

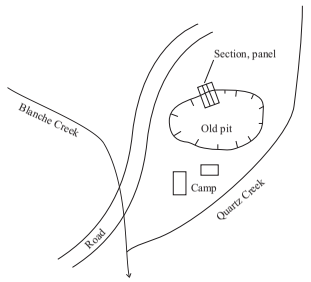
139 04 00

Owner/Operator Tatlow Alteration Oxidation

Other Fineness 780, gold from White Channel Gravel is coarse and chunky.

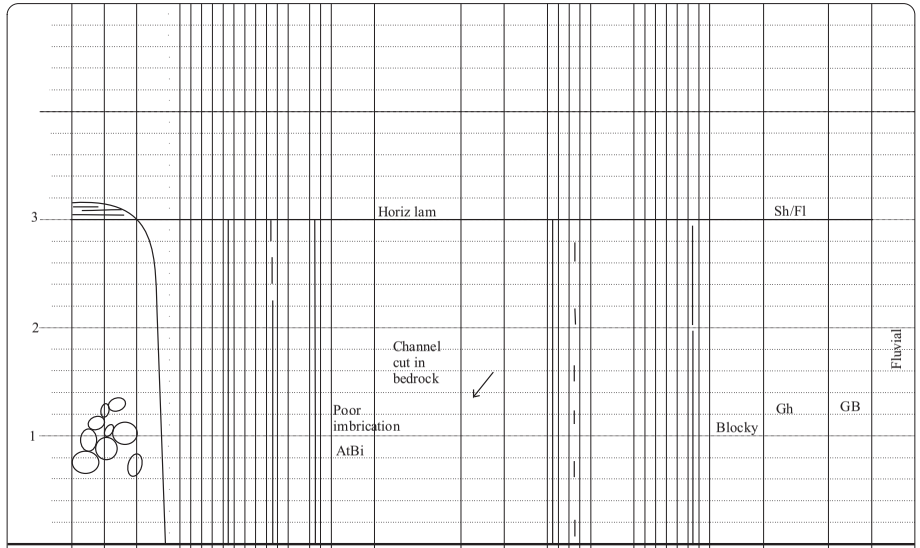
Panel 24P Section 24S Date July 17, 1999 Station GL99-24

SITE PLAN



Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION

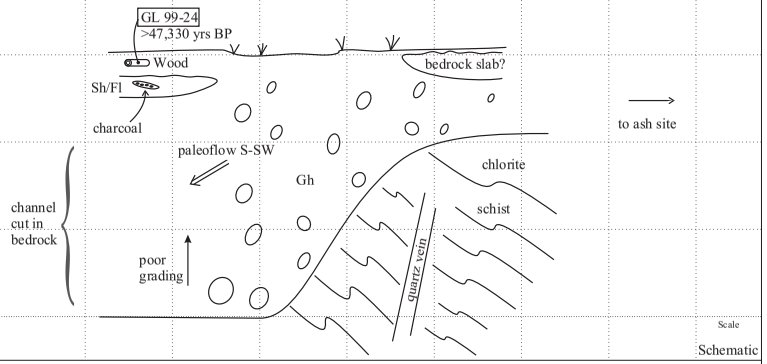


Thickness (metres)	Texture And Contact (Mud, Sand, Gravel)	Textural Modifier (M) (s) (g) m s g	Sorting (U p m w)	Grading	Support (F M)	Clast Fabric	Other Sedimentary Structures	Paleoflow Direction	Color	Lithology (Q I M S)	Alteration	Clast Shape (r d s)	Clast Roundness (A su sr r)	Other Remarks (Fossils, samples, pictures, etc.)	Lithofacies	Element	Environment Of Deposition
3							Horiz lam								Sh/Fl		
2							Channel cut in bedrock										Fluvial
1						AtBi	Poor imbrication							Blocky	Gh	GB	

Station GL99-24 Section 24S Orientation W < -------- > E Page 1 of 1

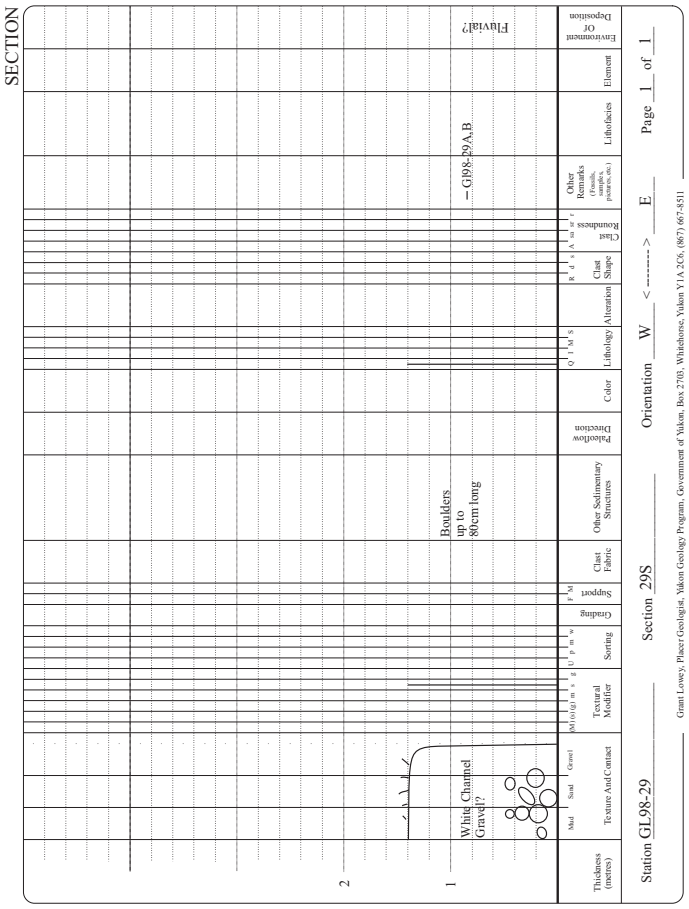
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

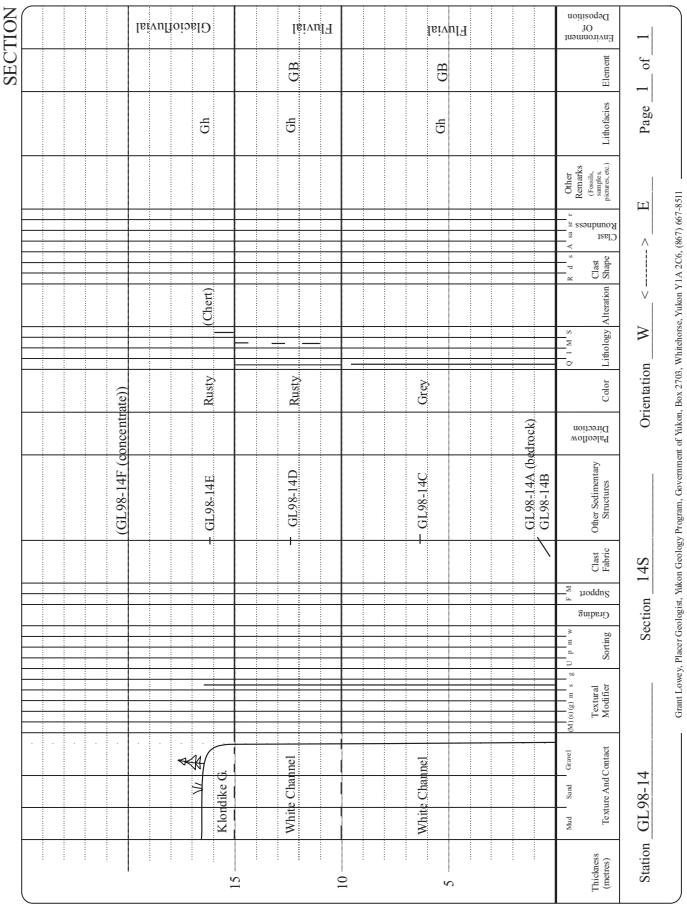
PANEL

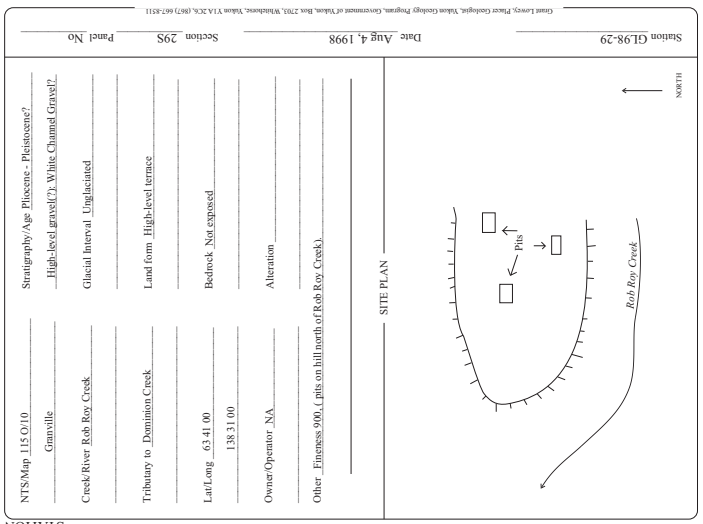


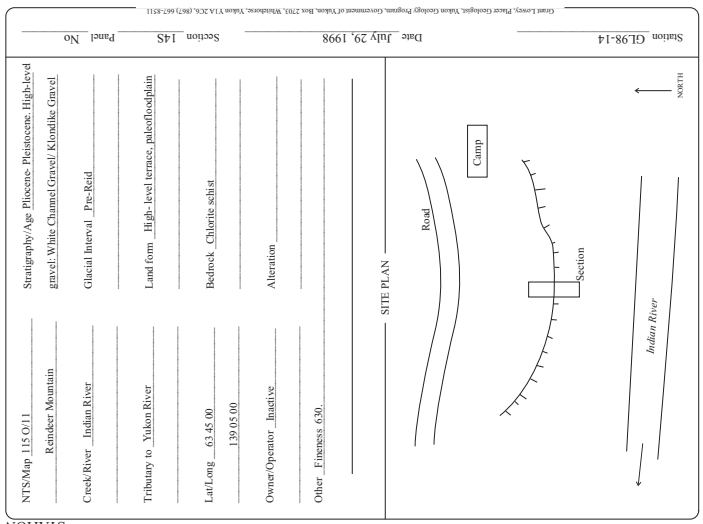
Station GL99-24 Panel 24P Orientation W < -------- > E Page 1 of 1

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL98-29
Section 29S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Cradnig
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, photos etc)
Lithofacies
Element
Environment Of Deposition
White Channel Gravel?
Boulders up to 80cm long
GB98-29A,B
Fluvial?


SECTION
Station GL98-14
Section 14S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Cradnig
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, photos etc)
Lithofacies
Element
Environment Of Deposition
(GL98-14F (concentrate))
Klondike Gl.
GL98-14E
Rusty
(Chert)
Gh
GlacioFluvial
White Channel
GL98-14D
Rusty
Gh
GB
Fluvial
White Channel
GL98-14C
Grey
Gh
GB
Fluvial
GL98-14A (bedrock)
GL98-14B

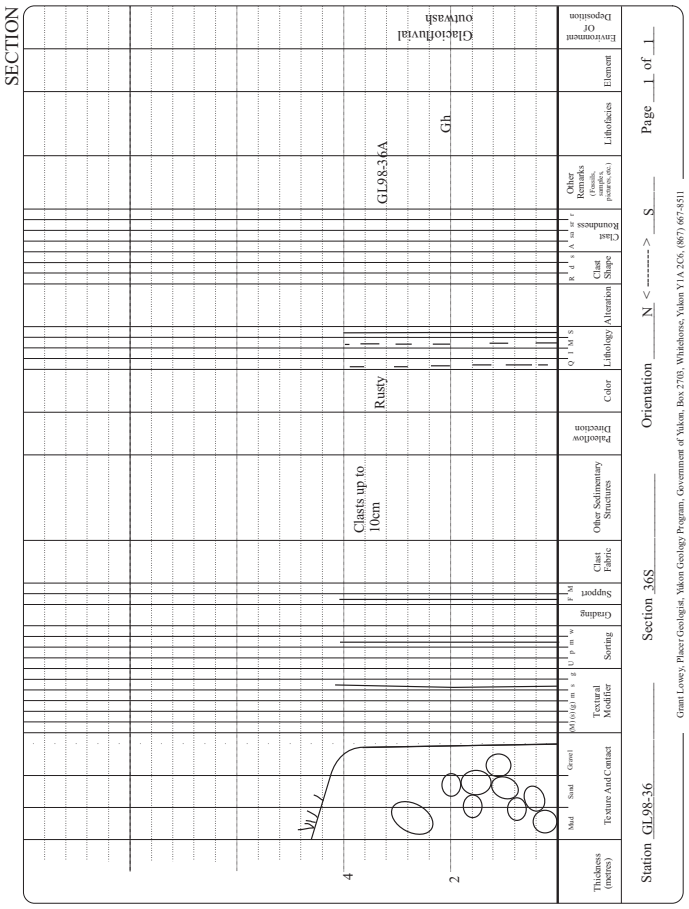

STATION
NTS/Map 115 O/10
Granville
Creek/River Rob Roy Creek
Tributary to Dominion Creek
Lat/Long 63 41 00
138 31 00
Owner/Operator NA
Other Fineness 900. (pits on hill north of Rob Roy Creek).
Stratigraphy/Age Pliocene - Pleistocene?
High-level gravel(?); White Channel Gravel?
Glacial Interval Unglaciated
Land form High-level terrace
Bedrock Not exposed
Alteration
SITE PLAN
Rob Roy Creek
Pits
NORTH
Station GL98-29
Date Aug 4, 1998
Section 29S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

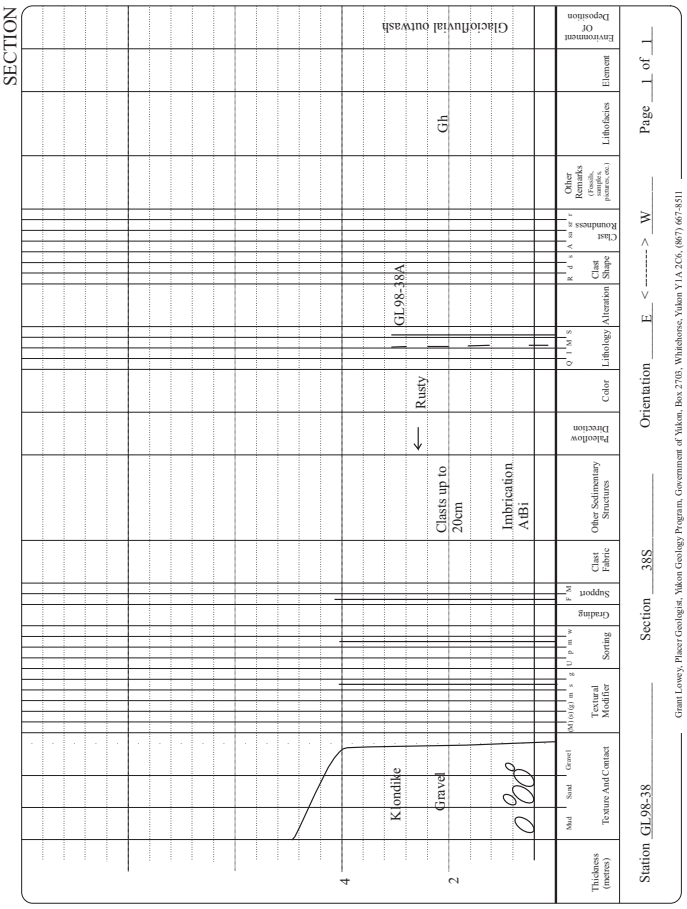

STATION
NTS/Map 115 O/11
Reindeer Mountain
Creek/River Indian River
Tributary to Yukon River
Lat/Long 63 45 00
139 05 00
Owner/Operator Inactive
Other Fineness 630.
Stratigraphy/Age Pliocene- Pleistocene. High-level gravel; White Channel Gravel/ Klondike Gravel
Glacial Interval Pre-Reid
Land form High- level terrace, paleofloodplain
Bedrock Chlorite schist
Alteration
SITE PLAN
Road
Camp
Section
Indian River
NORTH
Station GL98-14
Date July 29, 1998
Section 14S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

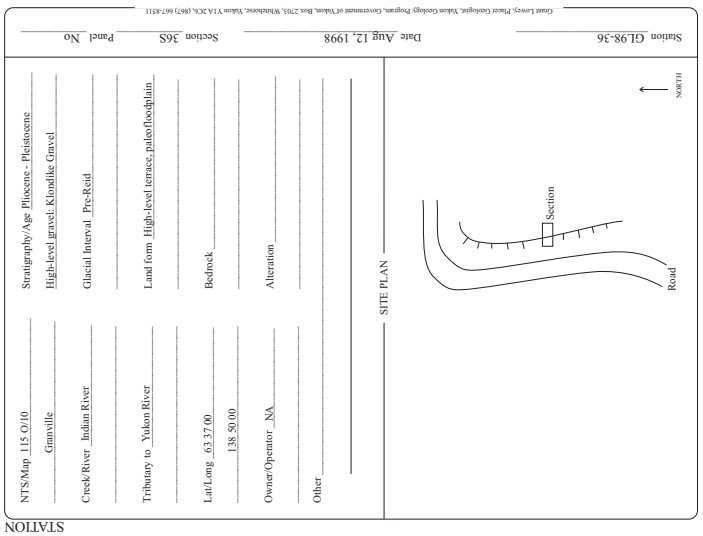
SECTION
Station GL98-22A
Section 22S
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (fossils, structures, etc.)
Lithofacies
Element
Environment Of Deposition
GL98-22A
Klondike Gravel
Bedrock
Gh
Gfl
Glaciofluvial
1
0

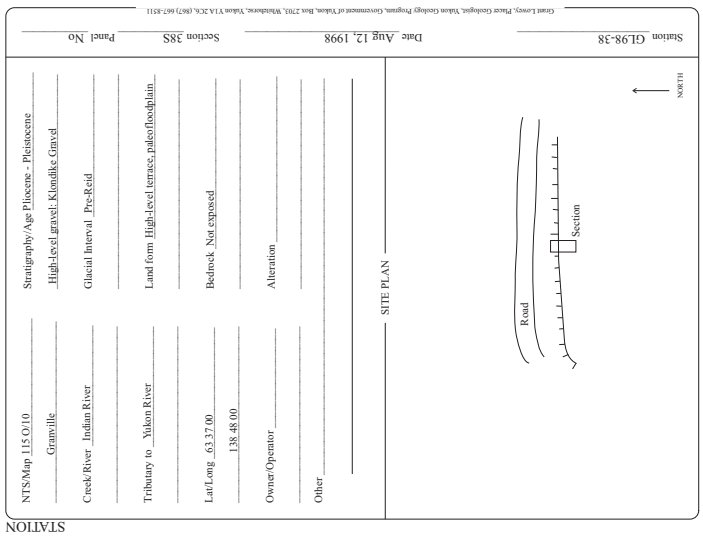
STATION
NTS/Map 115 O/13
Stratigraphy/Age Pliocene - Pleistocene
High-level gravel: Klondike Gravel
Creek/River Indian River
Glacial Interval Pre-Reid
Tributary to Yukon River
Land form High-level Terrace
Lat/Long 63 47 00
139 33 00
Bedrock Quartzite
Owner/Operator Barry Graham
Alteration
Other Fineness 830.
SITE PLAN
Air strip
Section
Road
River
NORTH
Station GL98-22
Date Aug 1, 1998
Section 22S
Panel
No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION
NTS/Map 115 O/11
Stratigraphy/Age Pleistocene
High-level gravel: Klondike Gravel
Reindeer Mountain
Creek/River Indian River
Glacial Interval Unglaciated
Tributary to Yukon River
Land form High-level terrace; paleofloodplain
Lat/Long 63 44 39
139 54 00
Bedrock NA
Owner/Operator NA
Alteration NA
Other Sample GL98-15A, GL98-15B.
SITE PLAN
NORTH
Station GL98-15
Date July 29, 1998
Section
No
Panel
No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Glaciofluvial outwash
GL98-36A
Gh
Rusty
Clasts up to 10cm
4
2
Station GL98-36
Section 36S
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Glaciofluvial outwash
GL98-38A
Gh
Rusty
Clasts up to 20cm
Imbrication AtBi
Klondike Gravel
4
2
Station GL98-38
Section 38S
Orientation E < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 O/10
Granville
Creek/River Indian River
Tributary to Yukon River
Lat/Long 63 37 00
138 50 00
Owner/Operator NA
Other
Stratigraphy/Age Pliocene - Pleistocene
High-level gravel: Klondike Gravel
Glacial Interval Pre-Reid
Land form High-level terrace, paleofloodplain
Bedrock
Alteration
SITE PLAN
Section
Road
NORTH
Station GL98-36
Date Aug 12, 1998
Section 36S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 O/10
Granville
Creek/River Indian River
Tributary to Yukon River
Lat/Long 63 37 00
138 48 00
Owner/Operator
Other
Stratigraphy/Age Pliocene - Pleistocene
High-level gravel: Klondike Gravel
Glacial Interval Pre-Reid
Land form High-level terrace, paleofloodplain
Bedrock Not exposed
Alteration
SITE PLAN
Road
Section
NORTH
Station GL98-38
Date Aug 12, 1998
Section 38S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 O/10 Granville

Stratigraphy/Age Pliocene - Pleistocene

High-level gravel: Klondike Gravel

Creek/River Australia Creek

Glacial Interval Pre-Reid

Tributary to Indian River

Land form High-level terrace on bedrock, paleofloodplain

Lat/Long 63 37 00 138 32 00

Bedrock Schist

Owner/Operator NA

Alteration

Other Classic Pre-Reid terrace.

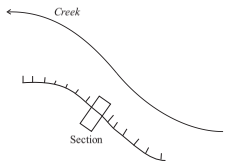
Panel 50P

Section 50S

Date Aug 19, 1998

Station GL98-50

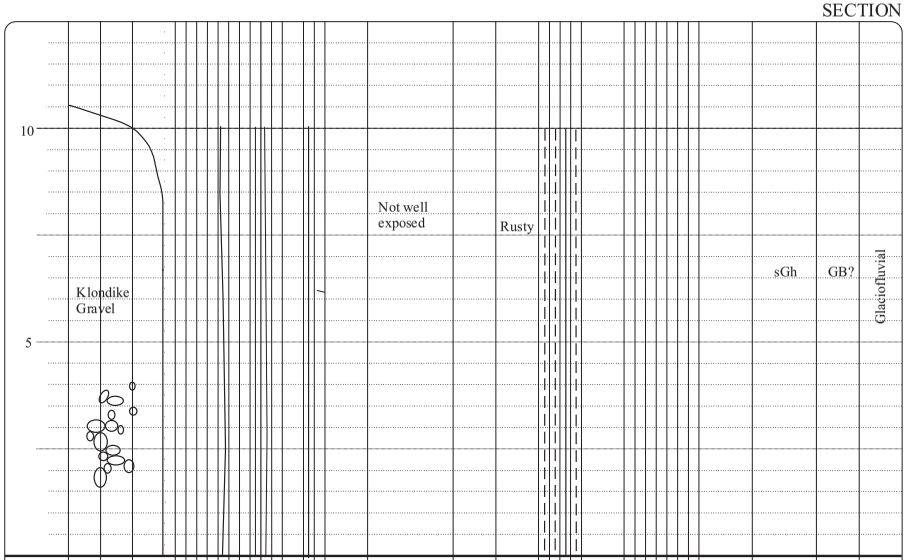
SITE PLAN



NORTH

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION

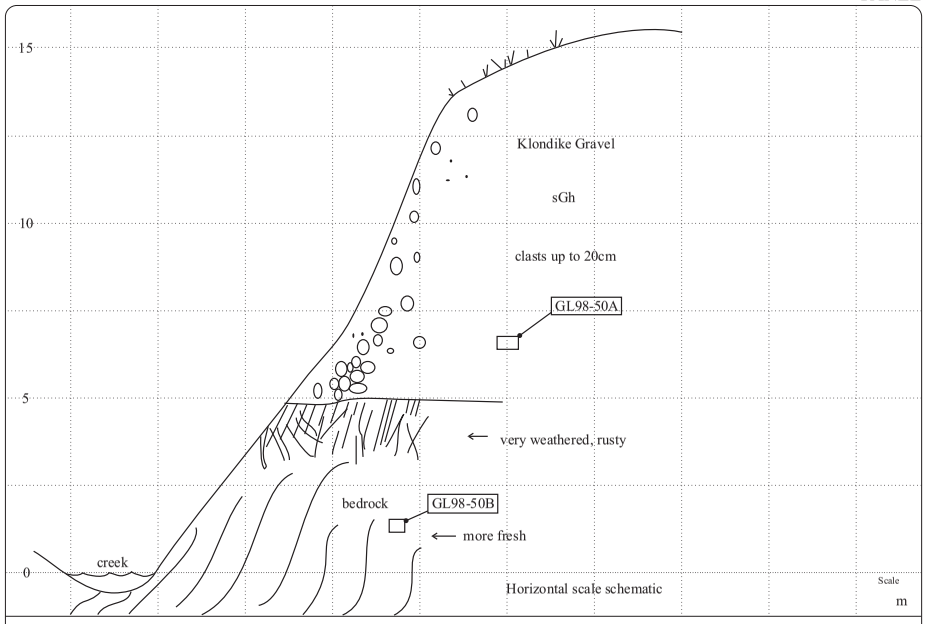


Thickness (metres)	Texture And Contact (Mud / Sand / Gravel)	Textural Modifier (M (o) (g) m s g)	Sorting (U p m w)	Grading	Support (F M)	Clast Fabric	Other Sedimentary Structures	Paleoflow Direction	Color	Lithology (Q I M S)	Alteration	Clast Shape (R d s A)	Clast Roundness (a su sr r)	Other Remarks (Fossils, samples, pictures, etc.)	Lithofacies	Element	Environment Of Deposition
															sGh	GB?	Glaciofluvial

Station GL98-50 Section 50S Orientation S < -------- > N Page 1 of 1

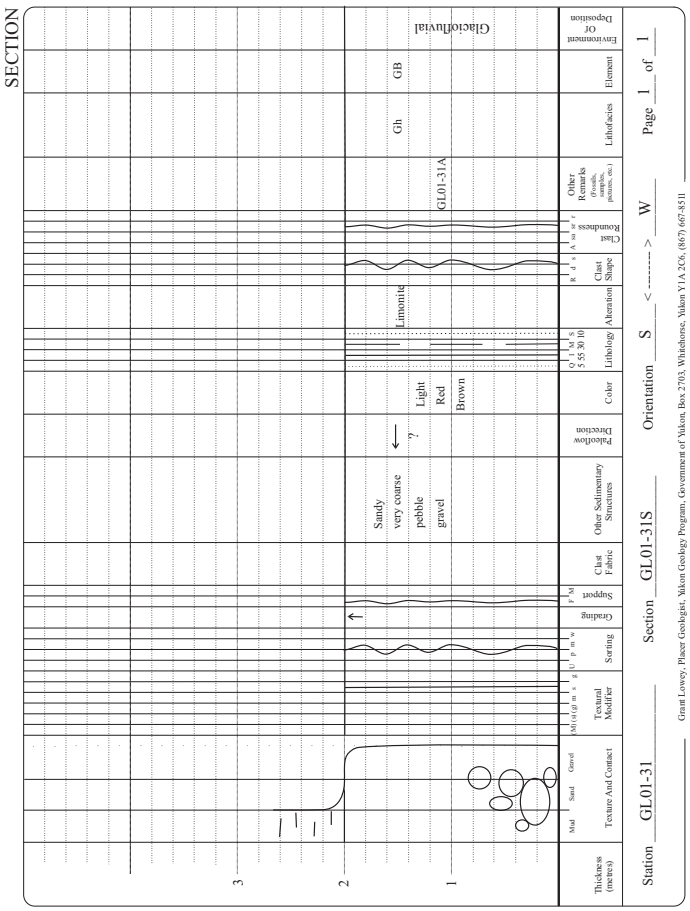
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

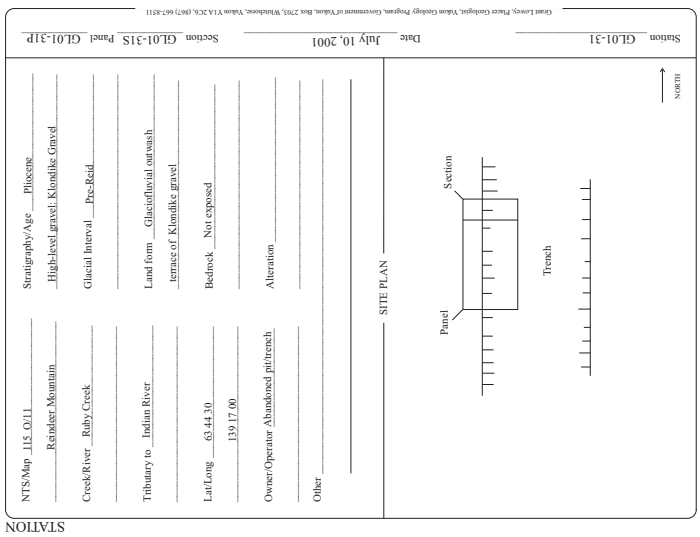
PANEL

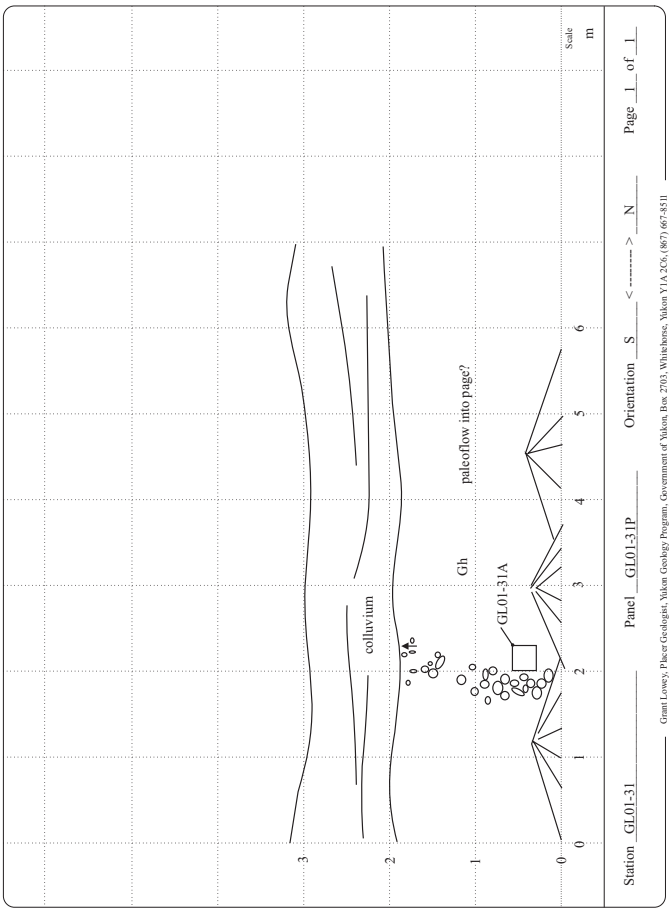


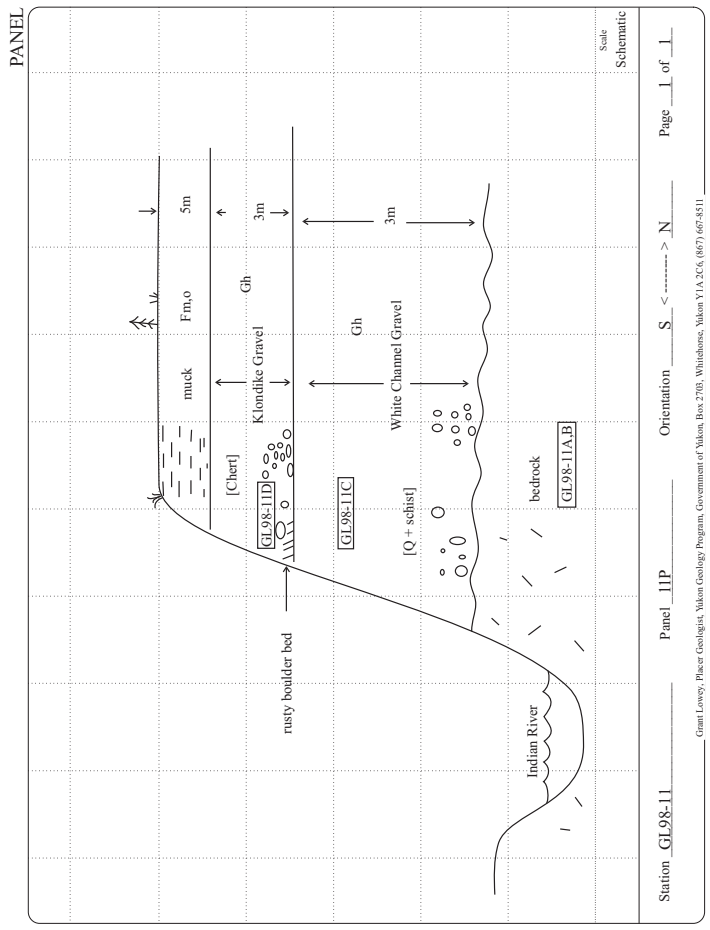
Station GL98-50 Panel 50P Orientation E < -------- > W Page 1 of 1

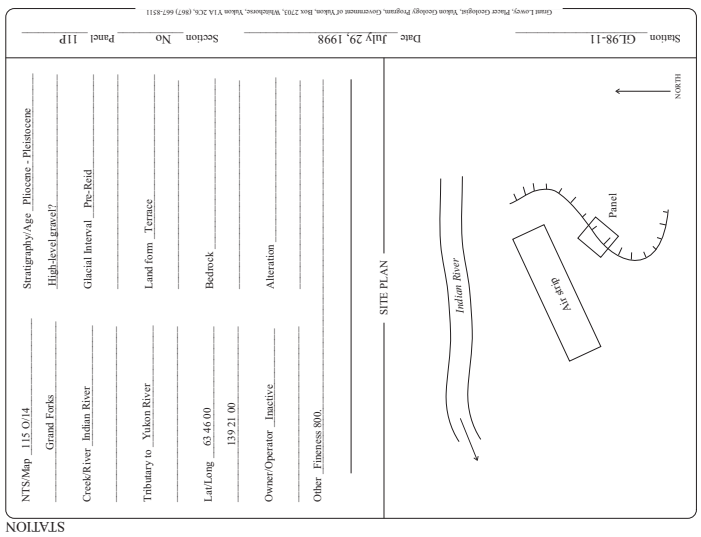
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

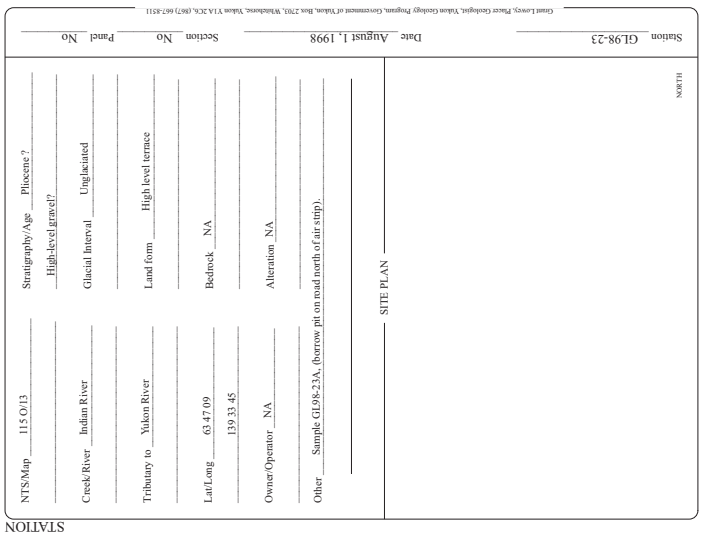

SECTION
Station GL01-31
Section GL01-31S
Orientation S < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (inches)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast Size
Other Remarks (of outcrop, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Sandy very coarse pebble gravel
Light Red Brown
Limonite
GL01-31A
Gh
GB
Glaciofluvial

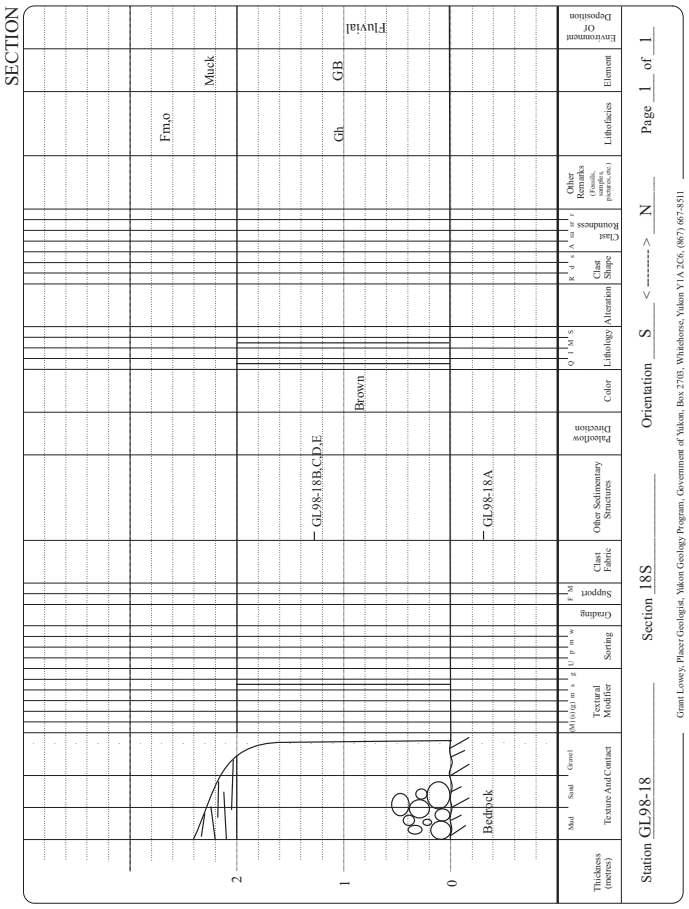

STATION
NTS/Map 115 O/11
Stratigraphy/Age Pliocene
Reindeer Mountain
High-level gravel; Klondike Gravel
Creek/River Ruby Creek
Glacial Interval Pre-Reid
Tributary to Indian River
Land form Glaciofluvial outwash terrace of Klondike gravel
Lat/Long 63 44 30
139 17 00
Bedrock Not exposed
Owner/Operator Abandoned pit/trench
Alteration
Other
SITE PLAN
Section
Panel
Trench
NORTH
Station GL01-31
Date July 10, 2001
Section GL01-31S
Panel GL01-31P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

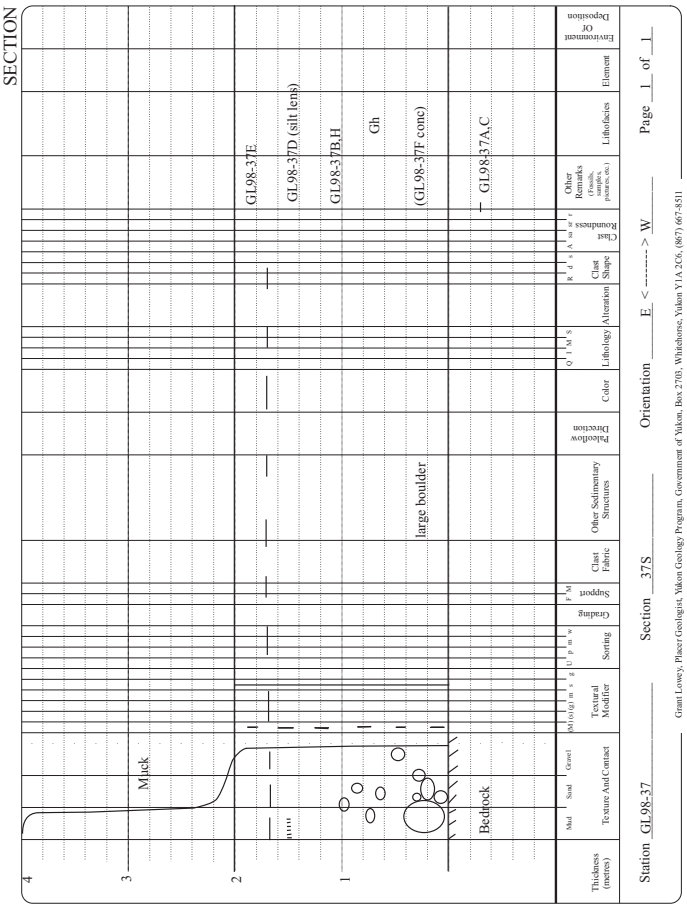

PANEL
colluvium
Gh
paleoflow into page?
GL01-31A
Station GL01-31
Panel GL01-31P
Orientation S < ------- > N
Page 1 of 1
Scale m
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

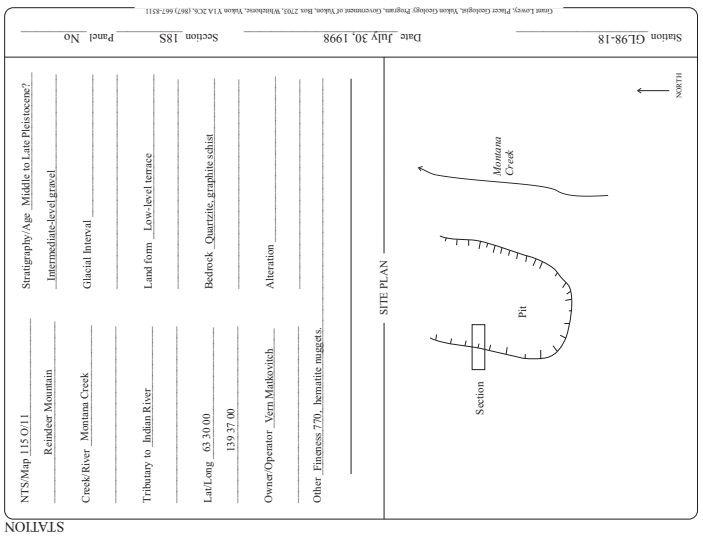

PANEL
Station GL98-11
Panel 11P
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale
Schematic
muck
Fm,o
5m
[Chert]
Klondike Gravel
Gh
3m
GL98-11D
rusty boulder bed
GL98-11C
[Q + schist]
Gh
White Channel Gravel
3m
bedrock
GL98-11A,B
Indian River

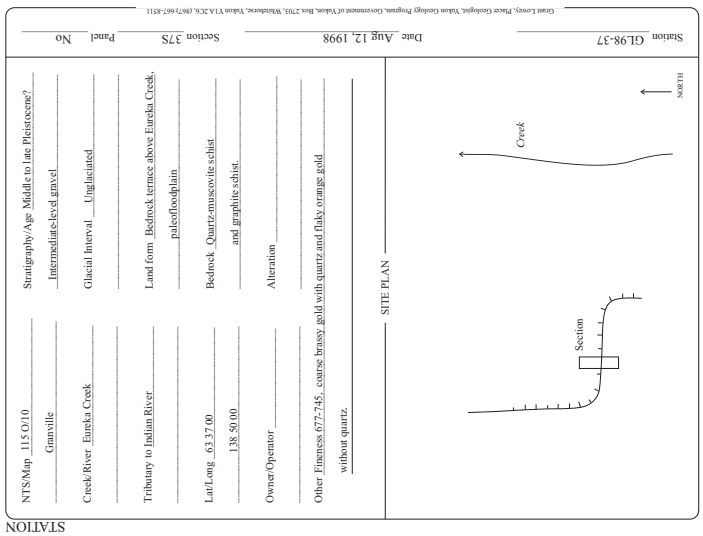

STATION
Station GL98-11
Date July 29, 1998
Section No
Panel 11P
NTS/Map 115 O/14
Stratigraphy/Age Pliocene - Pleistocene
Grand Forks
High-level gravel?
Creek/River Indian River
Glacial Interval Pre-Reid
Tributary to Yukon River
Land form Terrace
Lat/Long 63 46 00
139 21 00
Bedrock
Owner/Operator Inactive
Alteration
Other Fineness 800.
SITE PLAN
Indian River
Alt @ sta
Panel
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

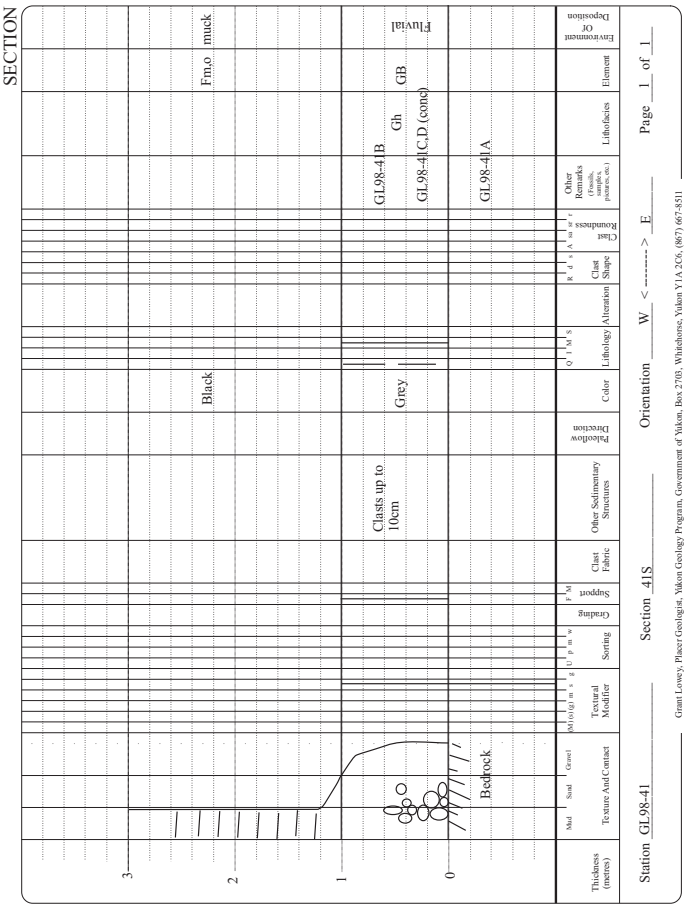

STATION
Station GL98-23
Date August 1, 1998
Section No
Panel No
NTS/Map 115 O/13
Stratigraphy/Age Pliocene ?
High-level gravel?
Creek/River Indian River
Glacial Interval Unglaciated
Tributary to Yukon River
Land form High level terrace
Lat/Long 63 47 09
139 33 45
Bedrock NA
Owner/Operator NA
Alteration NA
Other Sample GL98-23A, (borrow pit on road north of air strip).
SITE PLAN
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

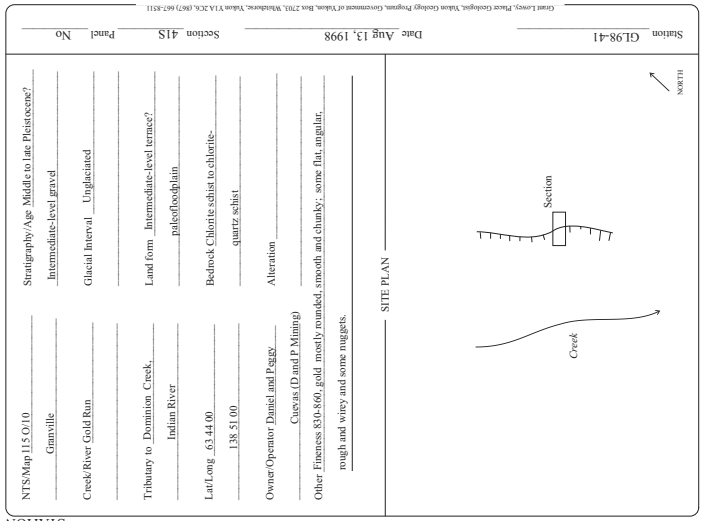

SECTION
Fm.o
Muck
Gh
GB
Fluvial
Brown
GL98-18B,C,D,E
GL98-18A
Bedrock
Station GL98-18
Section 18S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Muck
GL98-37E
GL98-37D (silt lens)
GL98-37B,H
Gh
(GL98-37F cone)
large boulder
GL98-37A,C
Bedrock
Station GL98-37
Section 37S
Orientation E < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 O/11
Stratigraphy/Age Middle to Late Pleistocene?
Reindeer Mountain
Intermediate-level gravel
Creek/River Montana Creek
Glacial Interval
Tributary to Indian River
Land form Low-level terrace
Bedrock Quartzite, graphite schist
Lat/Long 63 30 00
139 37 00
Alteration
Owner/Operator Vern Malkovitch
Other Fineness 770, hematite nuggets.
SITE PLAN
Section
Pit
Montana Creek
NORTH
Station GL98-18
Date July 30, 1998
Section 18S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

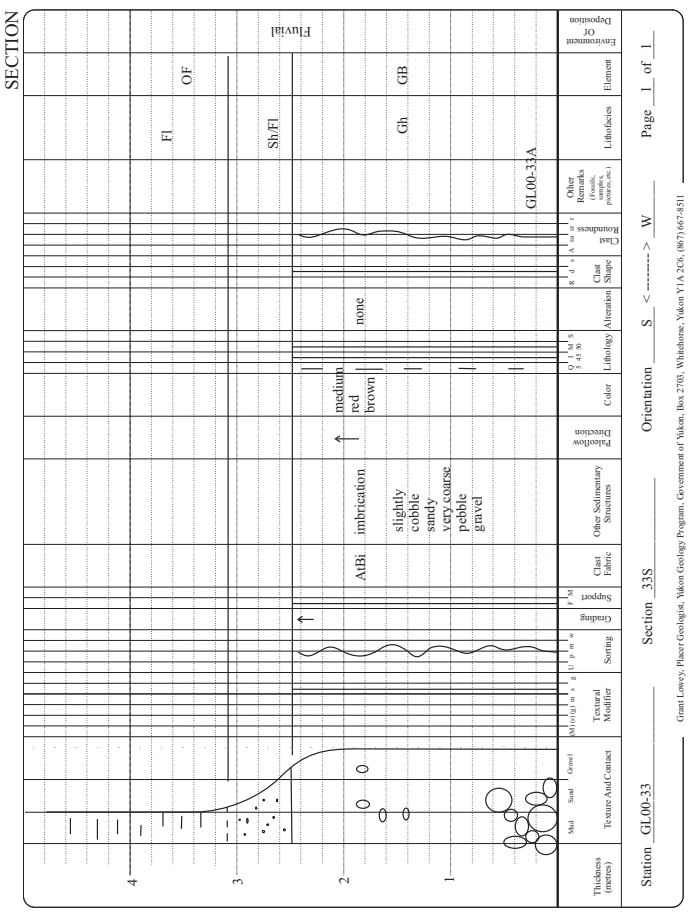

STATION
NTS/Map 115 O/10
Stratigraphy/Age Middle to Late Pleistocene?
Granville
Intermediate-level gravel
Creek/River Eureka Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form Bedrock terrace above Eureka Creek paleofloodplain
Bedrock Quartz-muscovite schist and graphite schist.
Lat/Long 63 37 00
138 50 00
Alteration
Owner/Operator
Other Fineness 677-745, coarse brassy gold with quartz and flaky orange gold without quartz.
SITE PLAN
Section
Creek
NORTH
Station GL98-37
Date Aug 12, 1998
Section 37S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

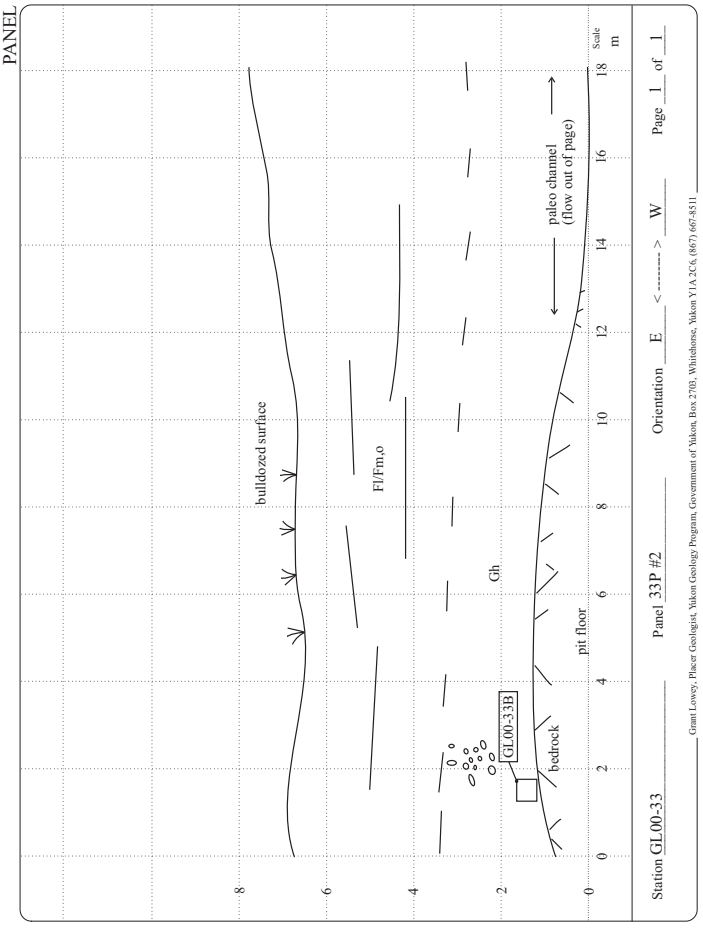

SECTION
Station GL98-41
Section 41S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Gravel
Sand
Mud
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Clasts up to 10cm
Black
Grey
Bedrock
GL98-41B
Gh
GB
GL98-41C,D (cone)
GL98-41A
Fluvial
Fm,o
muck

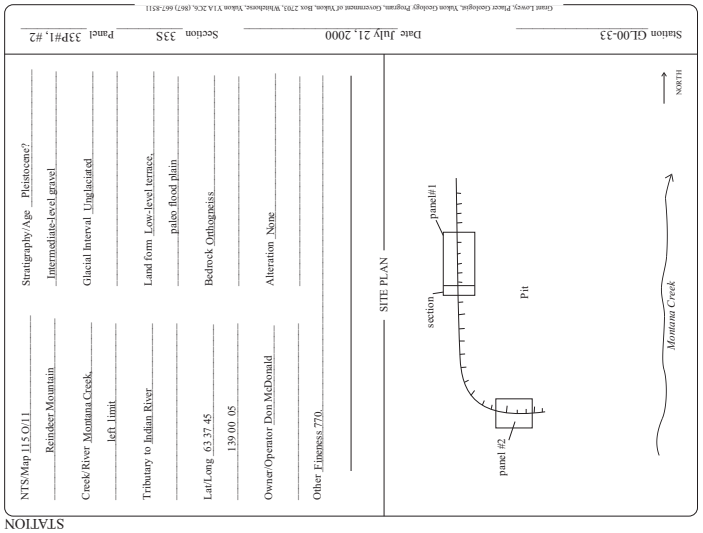

STATION
Station GL98-41
Date Aug 13, 1998
Section 41S
Panel
No
NTS/Map 115 O/10
Granville
Creek/River Gold Run
Tributary to Dominion Creek, Indian River
Lat/Long 63 44 00, 138 51 00
Owner/Operator Daniel and Peggy Cuevas (D and P Mining)
Other Fineness 830-860, gold mostly rounded, smooth and chunky; some flat, angular, rough and wiry and some nuggets.
Stratigraphy/Age Middle to late Pleistocene?
Intermediate-level gravel
Glacial Interval Unglaciated
Land form Intermediate-level terrace?
paleofloodplain
Bedrock Chlorite schist to chlorite-quartz schist
Alteration
SITE PLAN
Section
Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

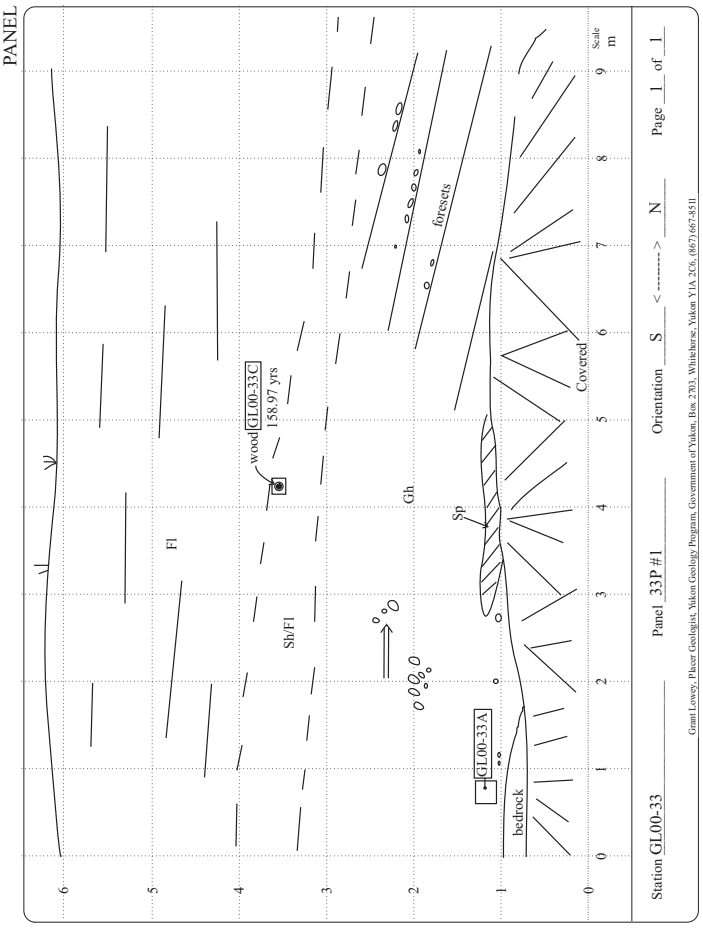
SECTION
Station GL99-48
Section 48S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Gravel
Sand
Mud
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
AtBi
Imbrication, crude bedding
Clasts up to 10cm
Light rusty brown
Oxidation
Gh
GB
Fluvial
Sample GL99-48B
Sample GL99-48A
Bedrock

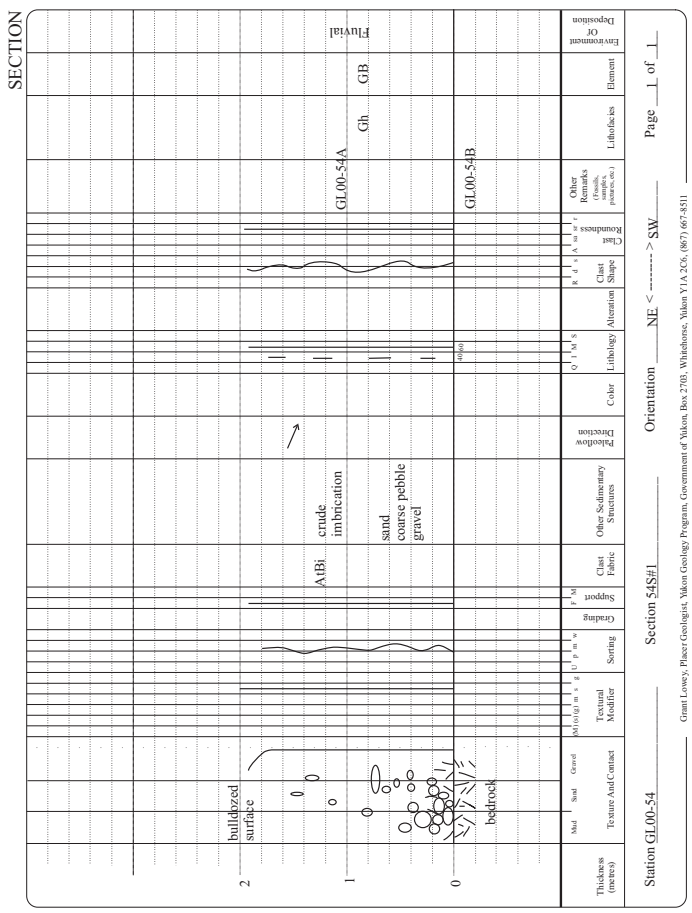
STATION
Station GL99-48
Date Aug 9, 1999
Section 48S
Panel
No
NTS/Map 115 O/10
Granville
Creek/River Eureka Creek
Tributary to Indian River
Lat/Long 63 35 00, 138 52 00
Owner/Operator
Other Fineness 677-745, a few colours to the pan from the trench.
Stratigraphy/Age Pleistocene (late?)
Intermediate-level terrace
Glacial Interval Unglaciated
Land form Terrace 10-15m above creek, paleofloodplain
Bedrock Quartz-muscovite schist
GL99-48B
Alteration Oxidation
SITE PLAN
Section
Trench 1.5x5m
Road
Terrace
Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

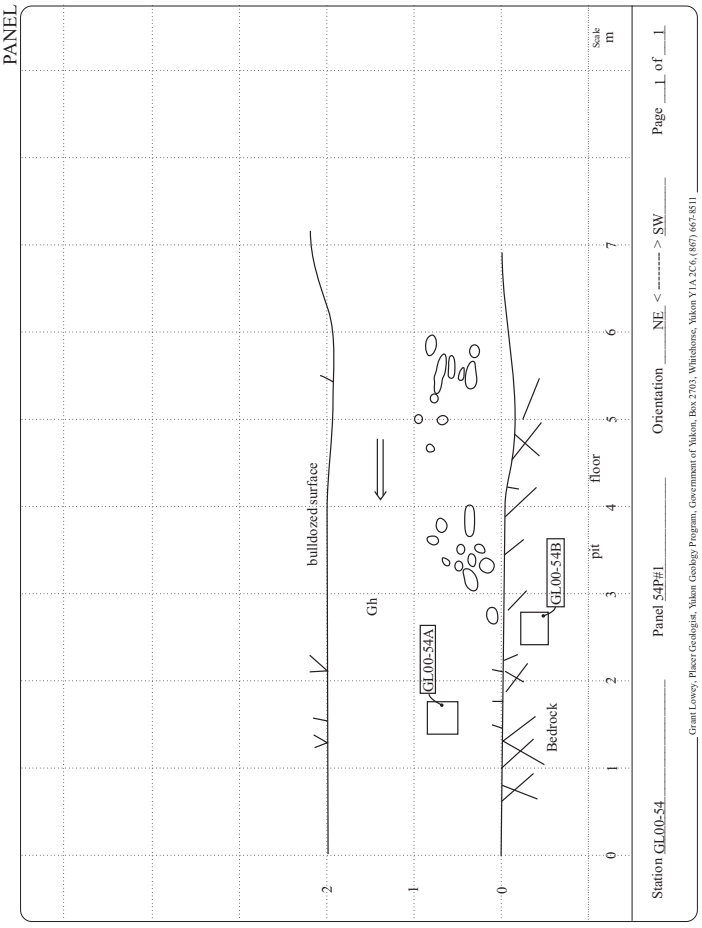

SECTION
Station GL00-33
Section 33S
Orientation S < ------ > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Unit
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (structures, samples, features, etc)
Lithofacies
Element
Environment Of Deposition
GL00-33A
AtBi
imbrication
slightly cobble sandy very coarse pebble gravel
medium red brown
none
Fl
OF
Sh/Fl
Gh
GB
Fluvial

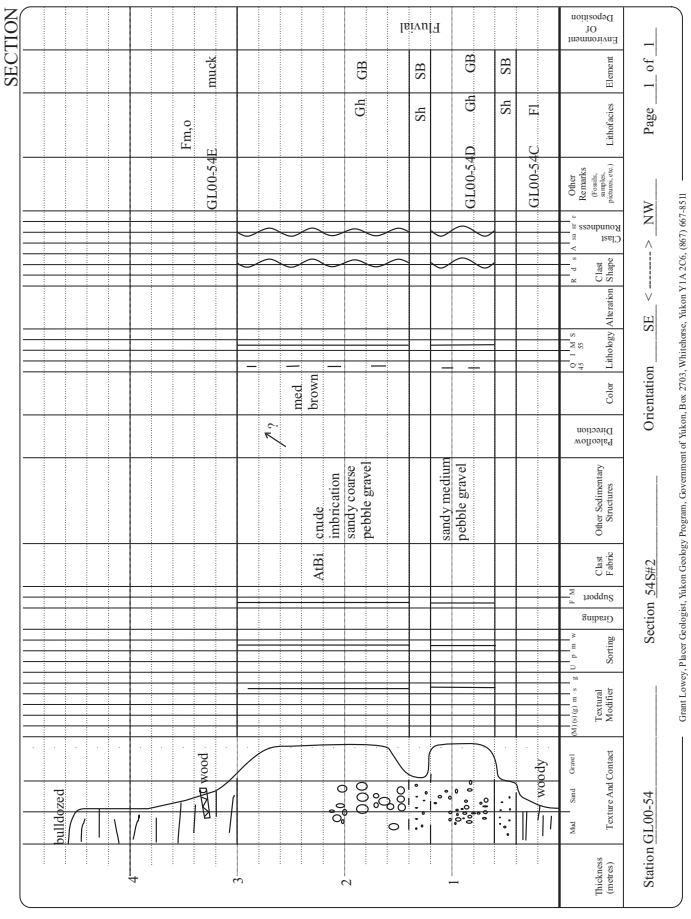

PANEL
Station GL00-33
Panel 33P #2
Orientation E < ------ > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
bulldozed surface
Fl/Fm,o
Gh
paleo channel (flow out of page)
pit floor
bedrock
GL00-33B
Scale m

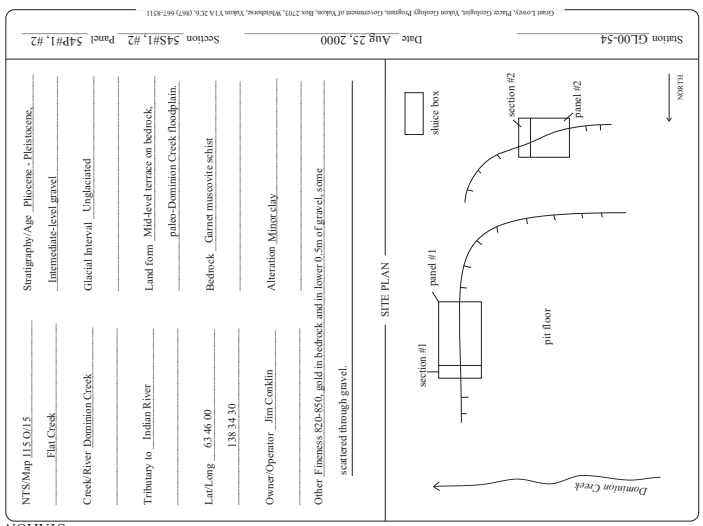

STATION
Station GL00-33
Date July 21, 2000
Section 33S
Panel 33P#1, #2
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/11
Stratigraphy/Age Pleistocene?
Reindeer Mountain
Intermediate-level gravel
Creek/River Montana Creek
Glacial Interval Unglaciated
left limit
Tributary to Indian River
Land form Low-level terraces,
paleo flood plain
Lat/Long 63 37 45
139 00 05
Bedrock Orthogneiss
Owner/Operator Don McDonald
Alteration None
Other Fineness 770
SITE PLAN
section
panel#1
Pit
panel #2
Montana Creek
NORTH


PANEL
Station GL00-33
Panel 33P #1
Orientation S < ------ > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fl
Sh/Fl
wood GL00-33C
158.97 yrs
Gh
Sp
foresets
Covered
bedrock
GL00-33A
Scale m



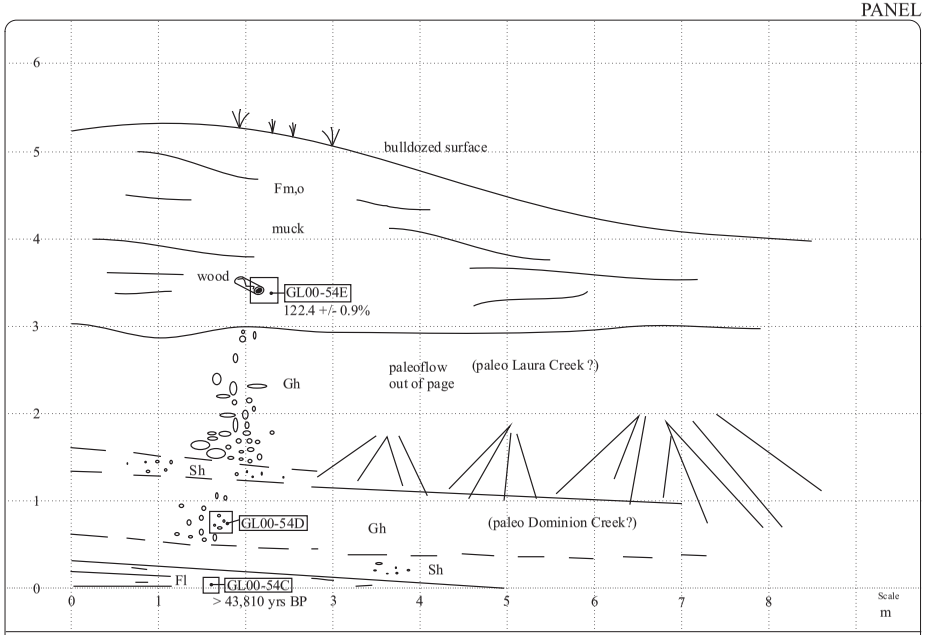






Panel #2 on next page

PANEL



Station GL00-54 Panel 54P#2 Orientation SE < -------- > NW Page 1 of 1

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 0/11 Stratigraphy/Age Pleistocene-Holocene

Reindeer Mountain Intermediate-level gravel

Creek/River Stowe Creek Glacial Interval Unglaciated

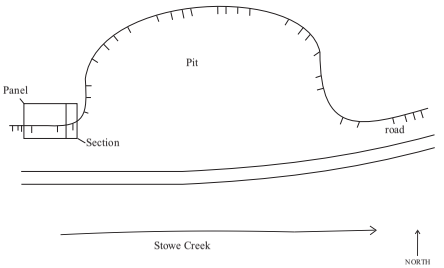
Tributary to Montana Creek Land form Intermediate-level-terrace, paleofloodplain

Lat/Long 63 38 15 139 00 45 Bedrock Quartzite-muscovite schist

Owner/Operator Don McDonald Alteration Minor limonite

Other Bedrock terrace about 10m above Stowe Creek.

SITE PLAN

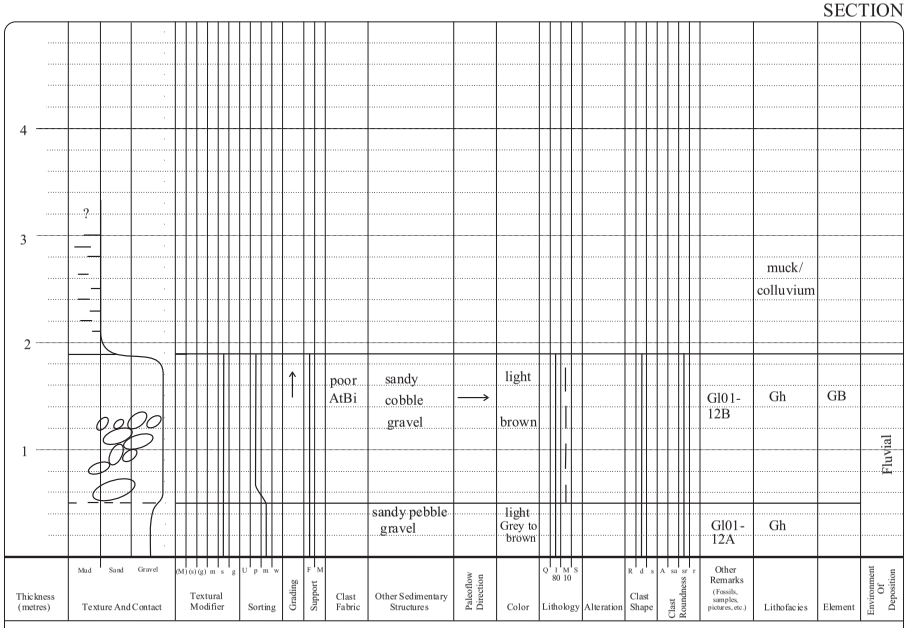


Station GL01-12 Section GL01-12S Panel GL01-12P

Date June 11, 2001

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION

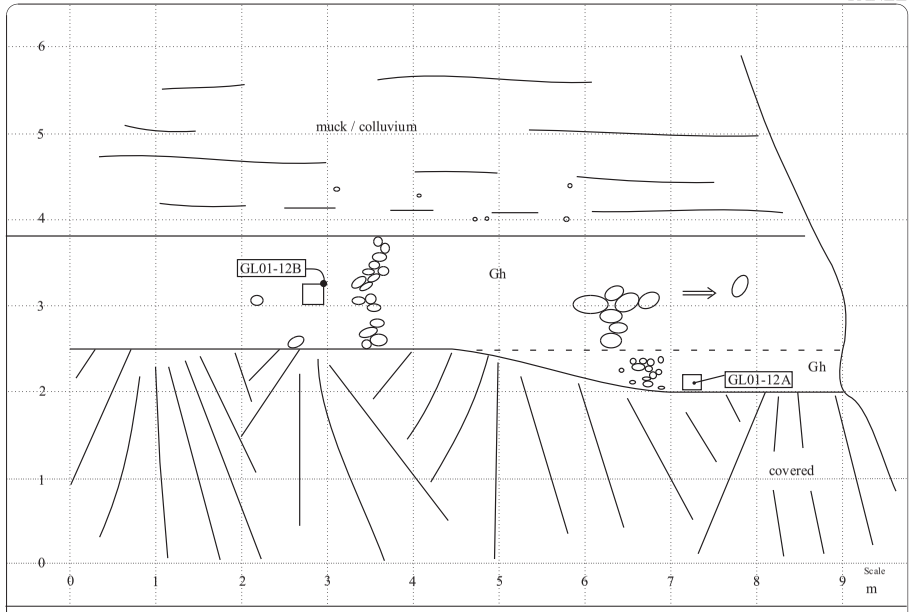


Thickness (metres)	Texture And Contact	Textural Modifier	Sorting	Grading	Support	Clast Fabric	Other Sedimentary Structures	Paleoflow Direction	Color	Lithology	Alteration	Clast Shape	Clast Roundness	Other Remarks (Fossils, samples, pictures, etc.)	Lithofacies	Element	Environment Of Deposition
	Mud Sand Gravel	(M) (s) (g) m s g	U p m w		F M					Q M S 80 10		R d s A sa sc r					

Station GL01-12 Section GL01-12S Orientation W < -------- > E Page 1 of 1

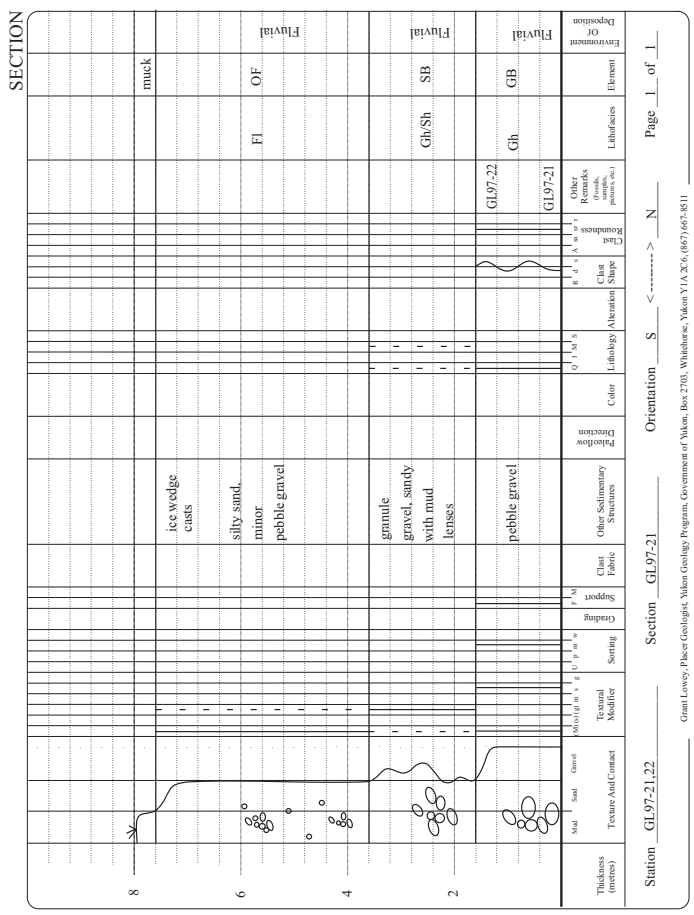
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

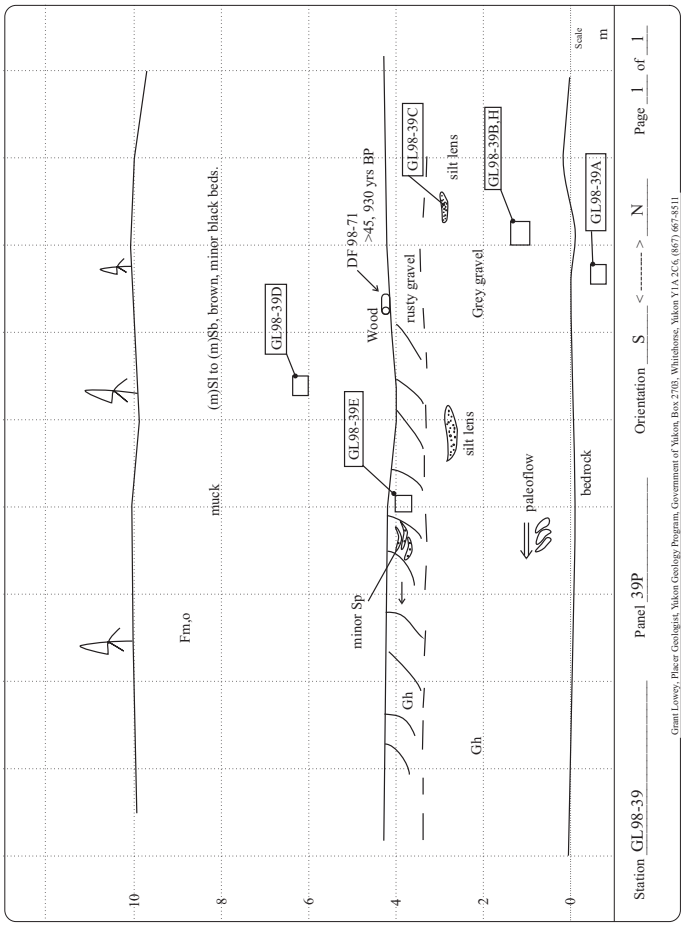
PANEL

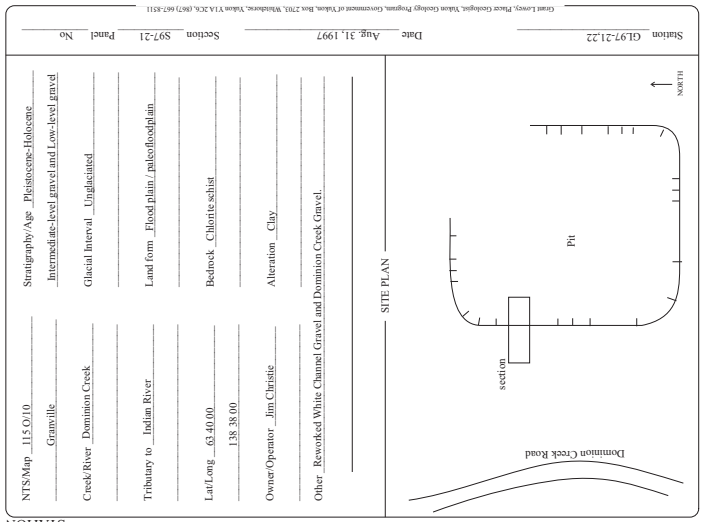


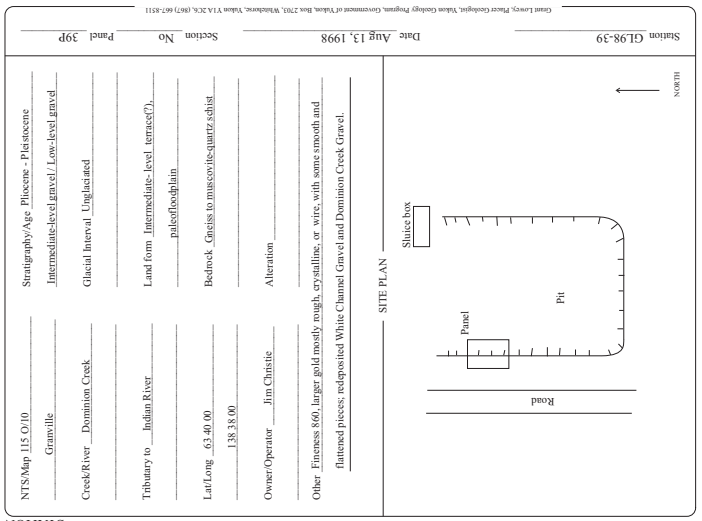
Station GL01-12 Panel GL01-12P Orientation W < -------- > E Page 1 of 1

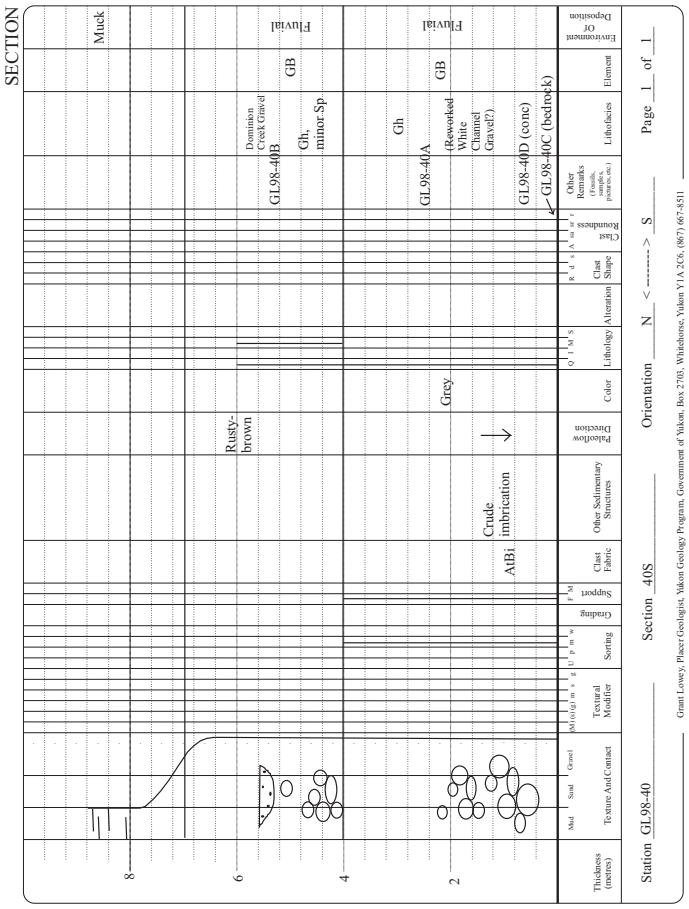
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

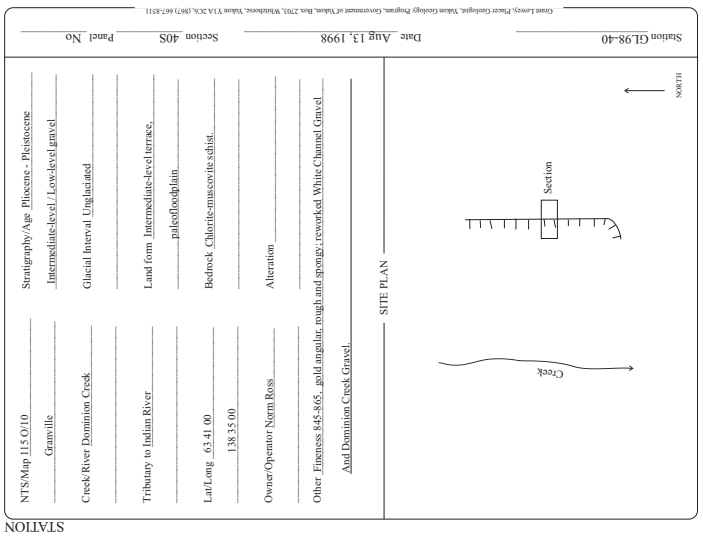

SECTION
muck
ice wedge casts
silty sand, minor pebble gravel
granule gravel, sandy with mud lenses
pebble gravel
Fluvial
OF
Fl
SB
Gh/Sh
GB
Gh
GL97-22
GL97-21
Station GL97-21,22
Section GL97-21
Orientation S <------> N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

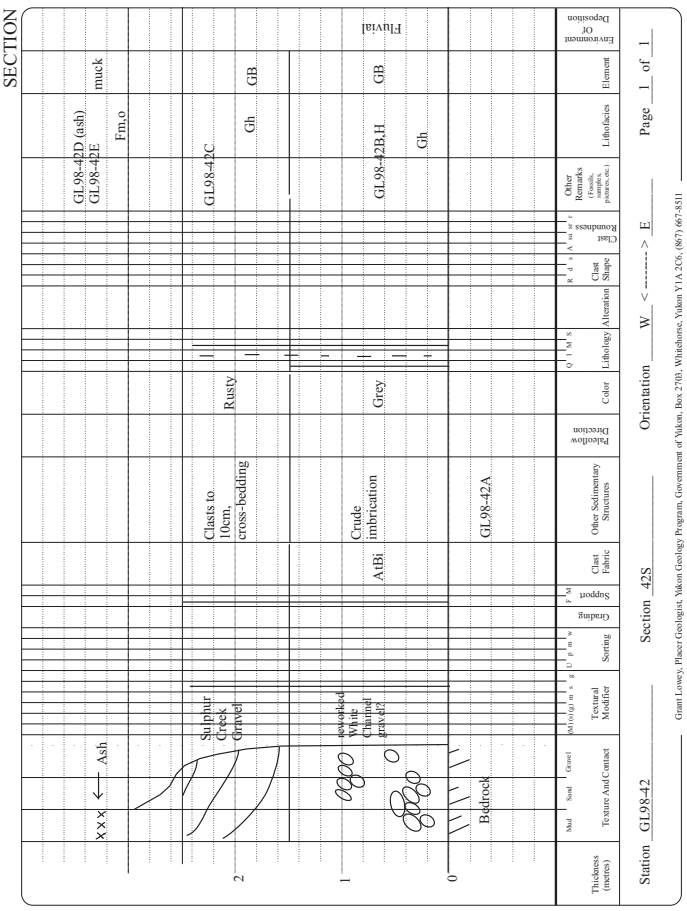

PANEL
Fm,o
muck
(m)Sl to (m)Sb, brown, minor black beds.
GL98-39D
GL98-39E
minor Sp
Gh
Gh
DF 98-71
>45, 930 yrs BP
Wood
rusty gravel
GL98-39C
silt lens
silt lens
Grey gravel
GL98-39B.H
paleoflow
bedrock
GL98-39A
Scale
m
Station GL98-39
Panel 39P
Orientation S <------> N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

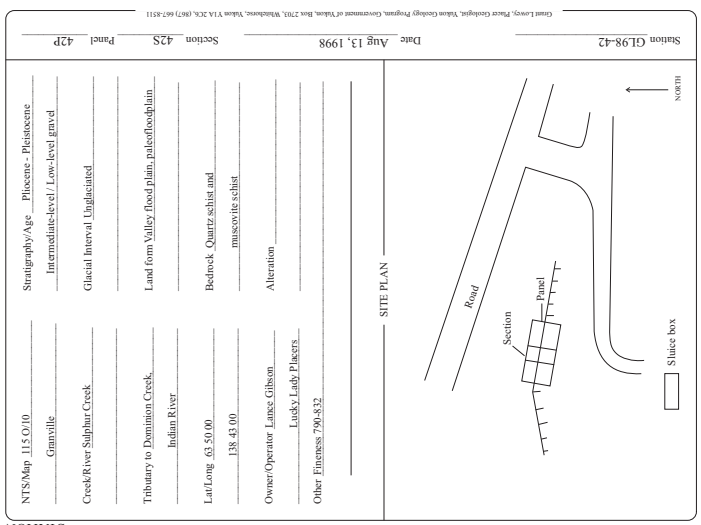

STATION
NTS/Map 115 O/10
Granville
Creek/River Dominion Creek
Tributary to Indian River
Lat/Long 63 40 00
138 38 00
Owner/Operator Jim Christie
Other Reworked White Channel Gravel and Dominion Creek Gravel.
Stratigraphy/Age Pleistocene-Holocene
Intermediate-level gravel and Low-level gravel
Glacial Interval Unglaciated
Land form Flood plain, paleofloodplain
Bedrock Chlorite schist
Alteration Clay
SITE PLAN
Dominion Creek Road
section
Pit
NORTH
Station GL97-21,22
Date Aug. 31, 1997
Section S97-21
Panel
No
Great Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

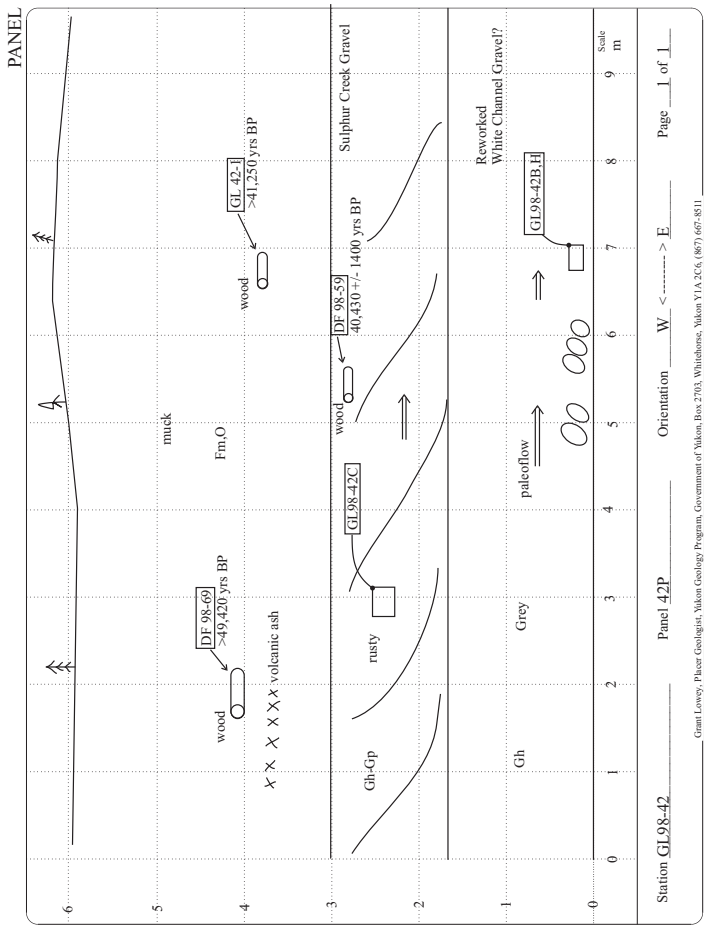

STATION
NTS/Map 115 O/10
Granville
Creek/River Dominion Creek
Tributary to Indian River
Lat/Long 63 40 00
138 38 00
Owner/Operator Jim Christie
Other Fineness 860, larger gold mostly rough, crystalline, or wire, with some smooth and flattened pieces; redeposited White Channel Gravel and Dominion Creek Gravel.
Stratigraphy/Age Pliocene - Pleistocene
Intermediate-level gravel / Low-level gravel
Glacial Interval Unglaciated
Land form Intermediate- level terrace(?), paleofloodplain
Bedrock Gneiss to massive quartz schist
Alteration
SITE PLAN
Sluice box
Panel
Pit
Road
NORTH
Station GL98-39
Date Aug 13, 1998
Section No
Panel 39P
Great Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

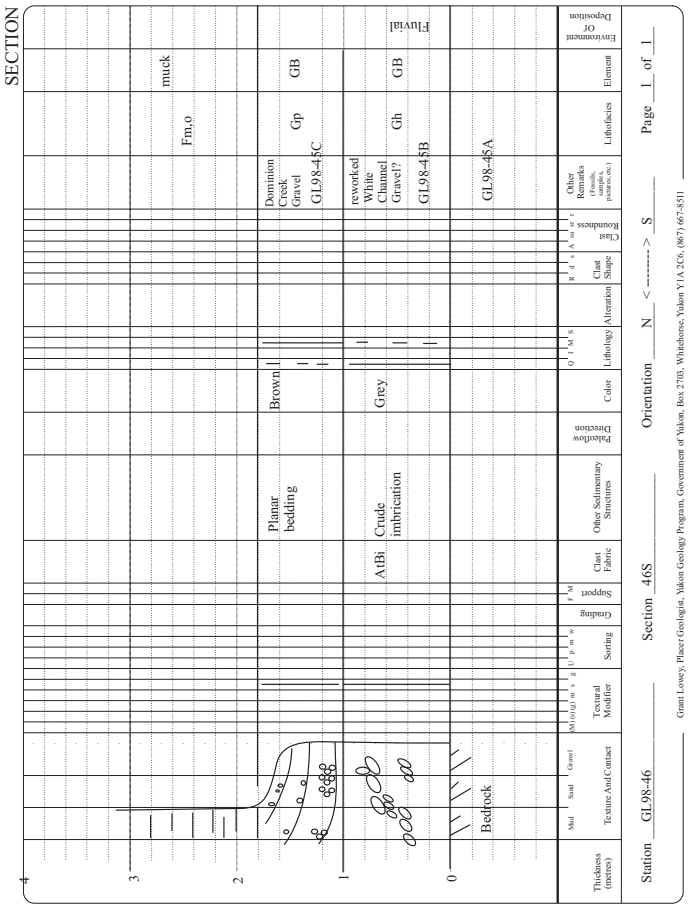

SECTION
Muck
Fluvial
GB
Dominion Creek Gravel
GL98-40B
Gh, minor Sp
Rusty-brown
Fluvial
GB
Gh
GL98-40A
(Reworked White Channel Gravel?)
Grey
Crude imbrication
AtBi
GL98-40D (cone)
GL98-40C (bedrock)
8
6
4
2
Station GL98-40
Section 40S
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

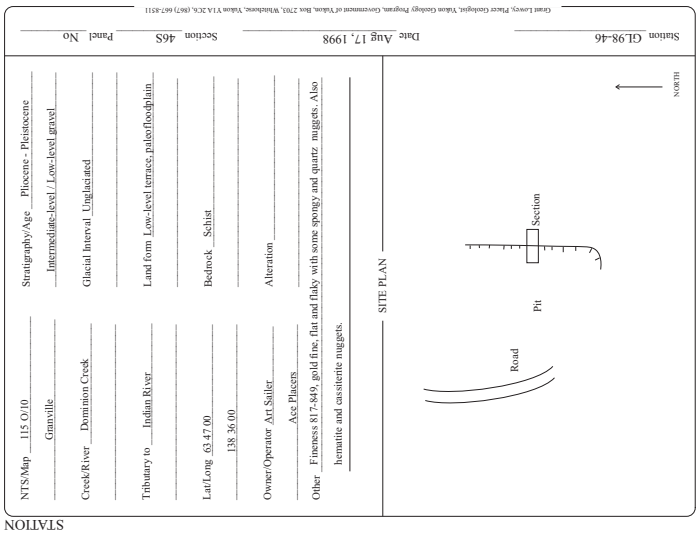

STATION
NTS/Map 115 O/10
Stratigraphy/Age Pliocene - Pleistocene
Granville
Intermediate-level / Low-level gravel
Creek/River Dominion Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form Intermediate-level terrace, paleofloodplain
Lat/Long 63 41 00
138 35 00
Bedrock Chlorite-muscovite schist.
Owner/Operator Norm Ross
Alteration
Other Fineness 845-865; gold angular, rough and spongy; reworked White Channel Gravel And Dominion Creek Gravel.
SITE PLAN
Creek
Section
NORTH
Station GL98-40
Date Aug 13, 1998
Section 40S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

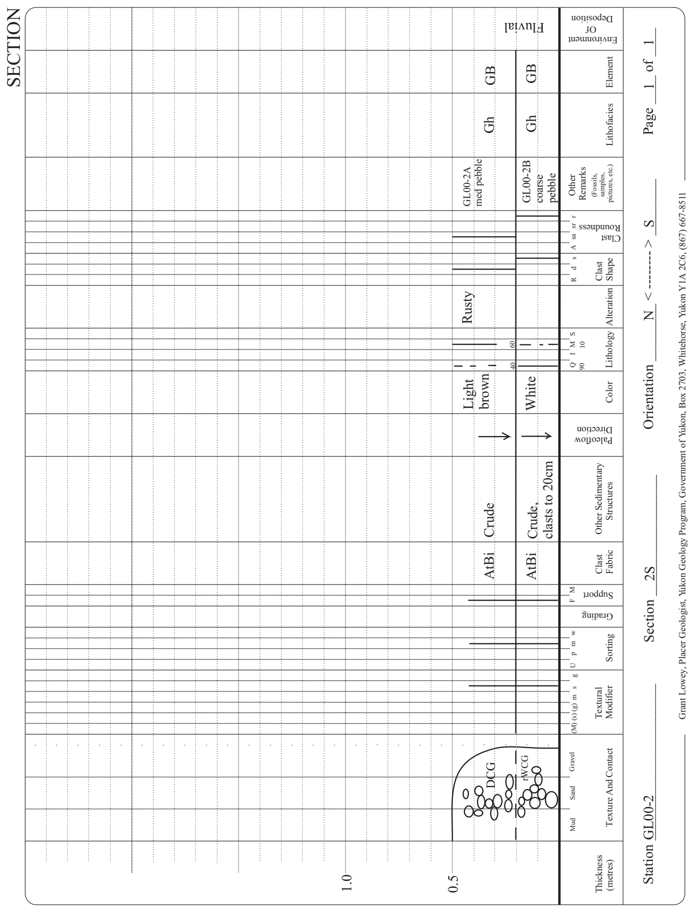

SECTION
Station GL98-42
Section 42S
Orientation W <------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Ash
Sulphur Creek Gravel
reworked White Channel gravel?
Bedrock
GL98-42D (ash)
GL98-42E
muck
Fm.o
GL98-42C
Gh
GB
GL98-42B,H
Fluvial
GL98-42A
Clasts to 10cm, cross-bedding
Crude imbrication
AtBi
Rusty
Grey
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition

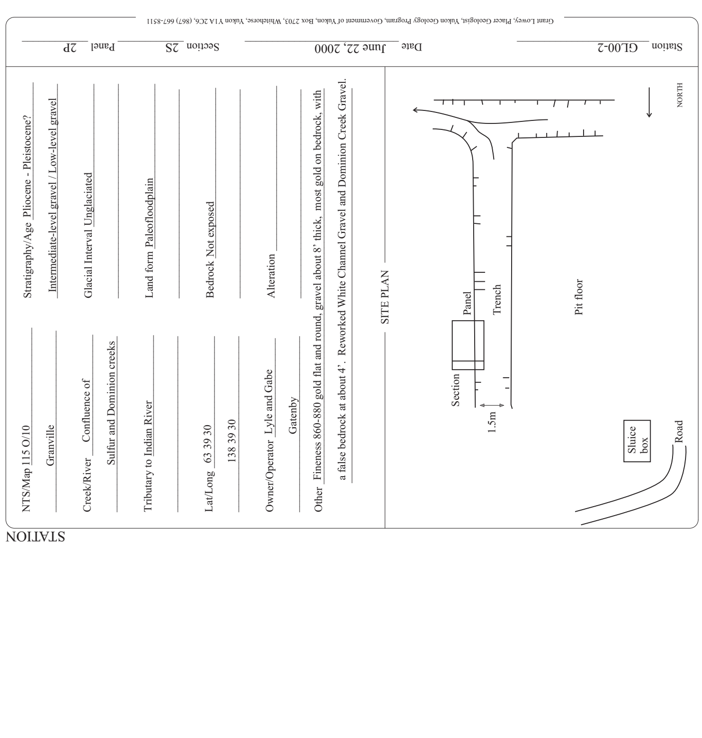

STATION
NTS/Map 115 O/10
Stratigraphy/Age Pliocene - Pleistocene
Granville
Intermediate-level / Low-level gravel
Creek/River Sulphur Creek
Glacial Interval Unglaciated
Tributary to Dominion Creek,
Indian River
Land form Valley flood plain, paleofloodplain
Lat/Long 63 50 00
138 43 00
Bedrock Quartz schist and
muscovite schist
Owner/Operator Lance Gibson
Lucky Lady Placers
Alteration
Other Fineness 790-832
Panel 42P
Section 42S
Date Aug 13, 1998
Station GL98-42
SITE PLAN
Road
Section
Panel
Sluice box
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

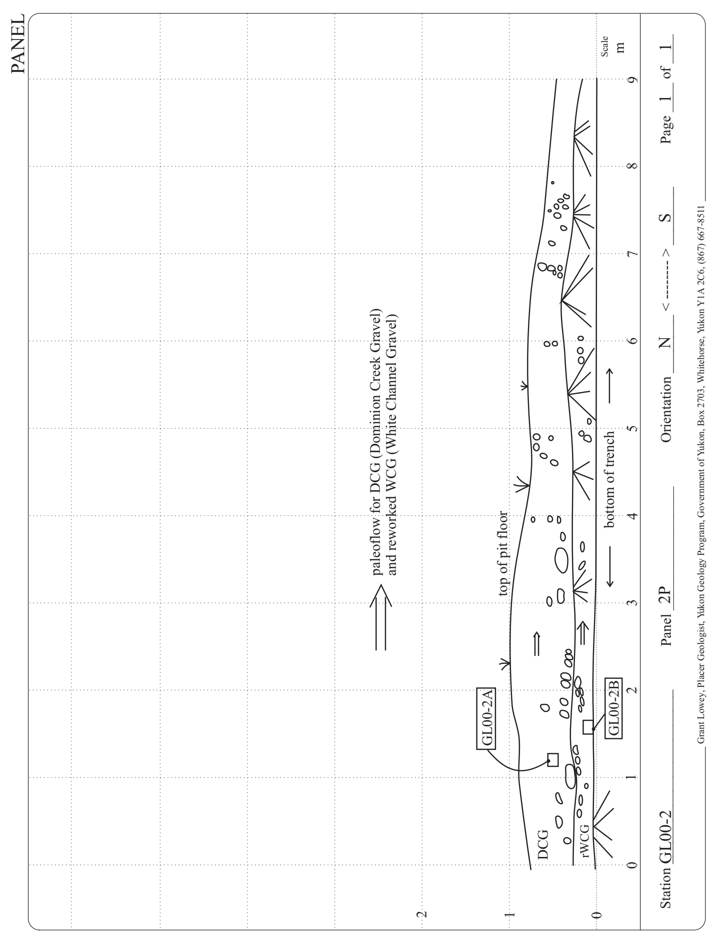

PANEL
muck
Fm.O
wood
DF 98-69
>49,420 yrs BP
volcanic ash
GL 42-1
>41,250 yrs BP
wood
GL98-42C
rusty
Gh-Gp
DF 98-59
40,430 +/- 1400 yrs BP
wood
Sulphur Creek Gravel
Reworked
White Channel Gravel?
GL98-42B,H
paleoflow
Gh
Grey
Scale m
Station GL98-42
Panel 42P
Orientation W <------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

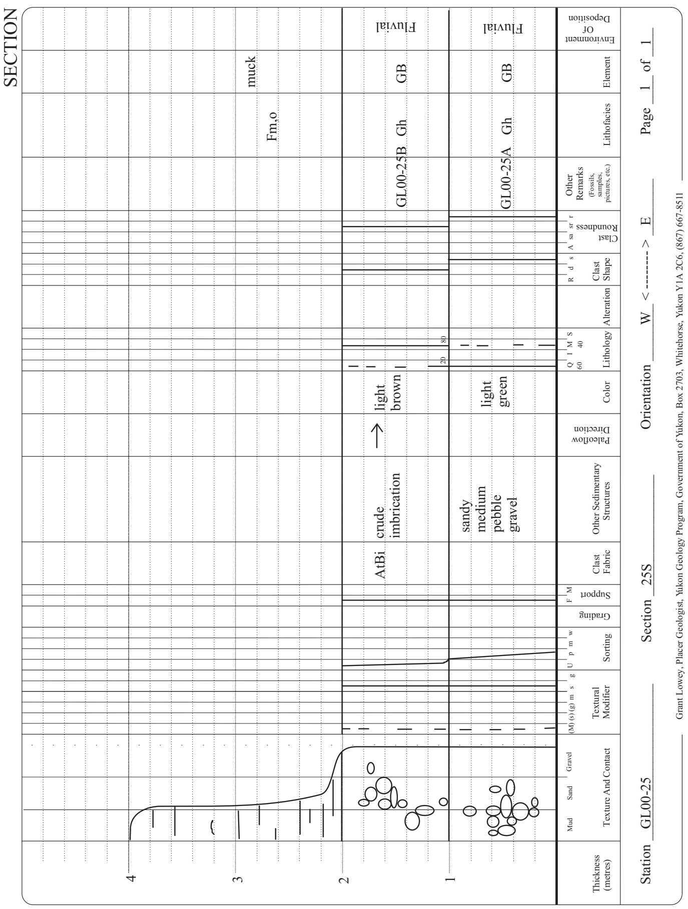

SECTION
Station GL98-46
Section 46S
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (features, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Planar bedding
Crude imbrication
AtBi
Brown
Grey
Fm,o
muck
Dominion Creek Gravel
Gp
GB
GL98-45C
reworked White Channel Gravel?
Gh
GB
GL98-45B
Fluvial
GL98-45A
Bedrock

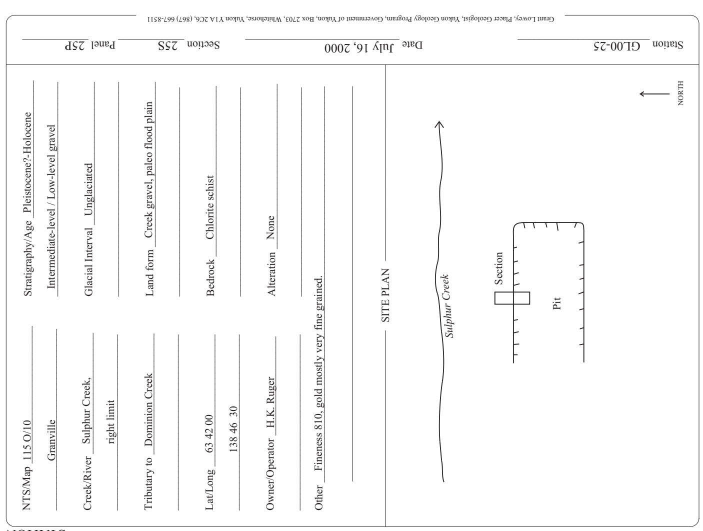

STATION
NTS/Map 115 O/10
Stratigraphy/Age Pliocene - Pleistocene
Granville
Intermediate-level / Low-level gravel
Creek/River Dominion Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form Low-level terrace; paleofloodplain
Bedrock Schist
Lat/Long 63 47 00
138 36 00
Alteration
Owner/Operator Art Sailer
Ace Placers
Other Fineness 817-849, gold fine, flat and flaky with some spongy and quartz nuggets. Also hematite and cassiterite nuggets.
SITE PLAN
Road
Pit
Section
NORTH
Station GL98-46
Date Aug 17, 1998
Section 46S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

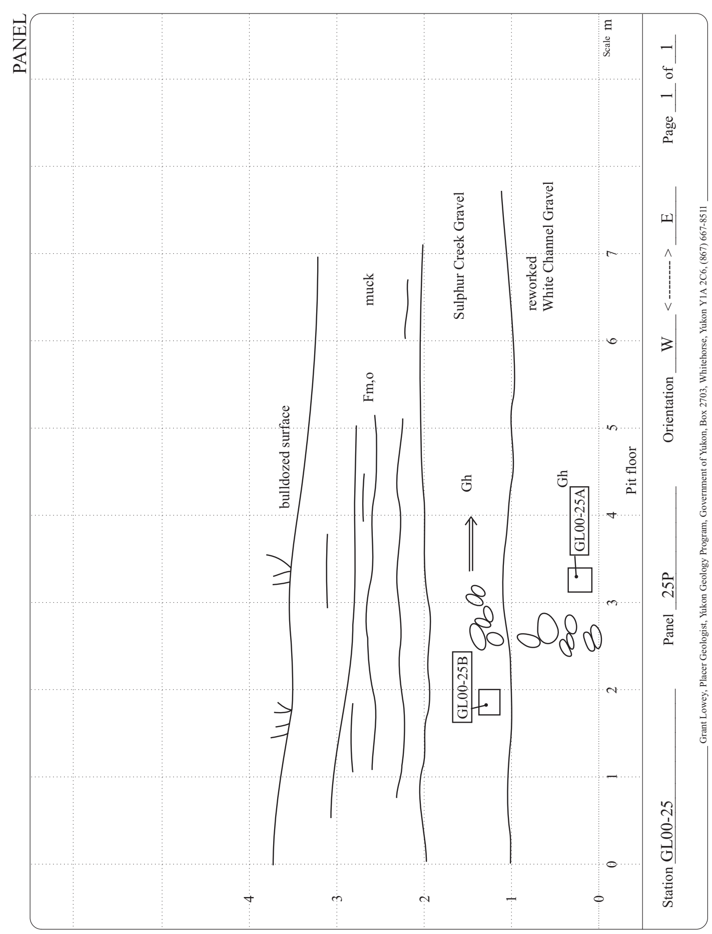

SECTION
Station GL00-2
Section 2S
Orientation N <--------> S
Page 1 of 1
Thickness (metres)
Texture And Contact
Mud Sand Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
0.5
1.0
DCG
rWCG
AtBi
Crude
Crude, clasts to 20cm
Light brown
White
Rusty
GL00-2A med pebble
GL00-2B coarse pebble
Gh
GB
Fluvial
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

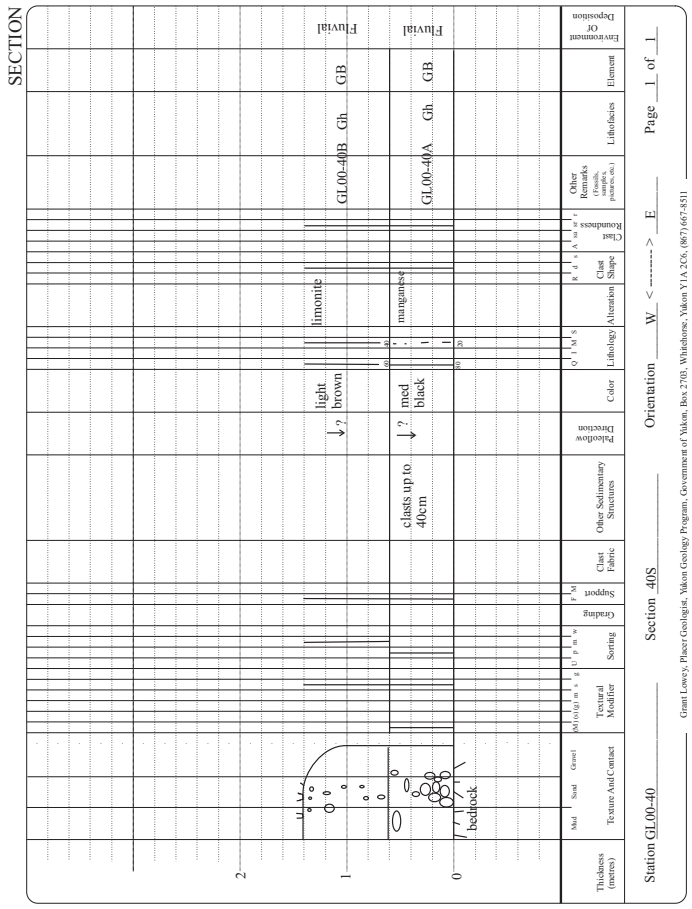

STATION
Station GL00-2
Date June 22, 2000
Section 2S
Panel 2P
NTS/Map 115 O/10
Granville
Stratigraphy/Age Pliocene - Pleistocene?
Intermediate-level gravel / Low-level gravel
Creek/River Confluence of
Sulfur and Dominion creeks
Glacial Interval Unglaciated
Tributary to Indian River
Land form Paleofloodplain
Lat/Long 63 39 30
138 39 30
Bedrock Not exposed
Owner/Operator Lyle and Gabe
Gatenby
Alteration
Other Fineness 860-880 gold flat and round, gravel about 8' thick, most gold on bedrock, with
a false bedrock at about 4'. Reworked White Channel Gravel and Dominion Creek Gravel.
SITE PLAN
Section
Panel
Trench
1.5m
Pit floor
Sluice box
Road
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

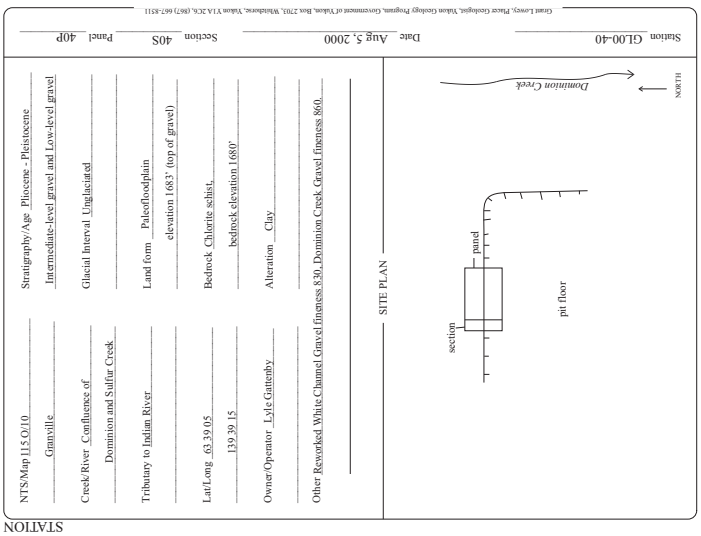

PANEL
Station GL00-2
Panel 2P
Orientation N <--------> S
Page 1 of 1
Scale m
paleoflow for DCG (Dominion Creek Gravel)
and reworked WCG (White Channel Gravel)
top of pit floor
bottom of trench
GL00-2A
GL00-2B
DCG
rWCG
0
1
2
3
4
5
6
7
8
9
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL00-25
Section 25S
Orientation W <-------> E
Page 1 of 1
Thickness (metres)
Texture And Contact
Mud Sand Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Fm,o
muck
GL00-25B Gh GB
AtBi crude imbrication
light brown
Fluvial
GL00-25A Gh GB
sandy medium pebble gravel
light green
Fluvial
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

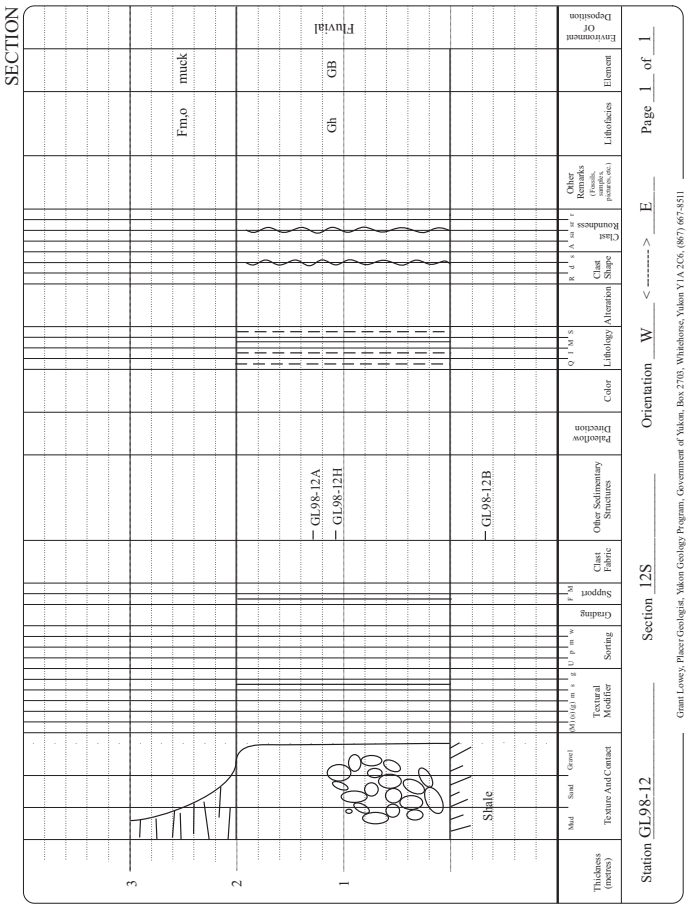

STATION
Station GL00-25
Date July 16, 2000
Section 25S
Panel 25P
NTS/Map 115 O/10
Granville
Stratigraphy/Age Pleistocene?-Holocene
Intermediate-level / Low-level gravel
Creek/River Sulphur Creek, right limit
Glacial Interval Unglaciated
Tributary to Dominion Creek
Land form Creek gravel, paleo flood plain
Lat/Long 63 42 00 138 46 30
Bedrock Chlorite schist
Owner/Operator H.K. Ruger
Alteration None
Other Fineness 810, gold mostly very fine grained.
SITE PLAN
Sulphur Creek
Section
Pit
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

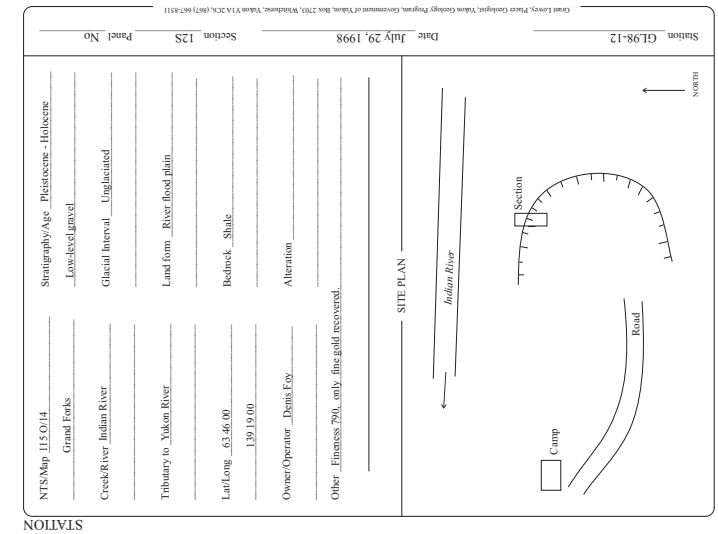

PANEL
bulldozed surface
muck
Fm,o
Sulphur Creek Gravel
Gh
GL00-25B
reworked White Channel Gravel
Gh
GL00-25A
Pit floor
Scale m
Station GL00-25
Panel 25P
Orientation W <-------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL00-40
Section 40S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (fossils, artifacts, pockets, etc.)
Lithofacies
Element
Environment Of Deposition
limonite
manganese
clasts up to 40cm
light brown
med black
GL00-40B
GL00-40A
Gh
GB
Fluvial
bedrock

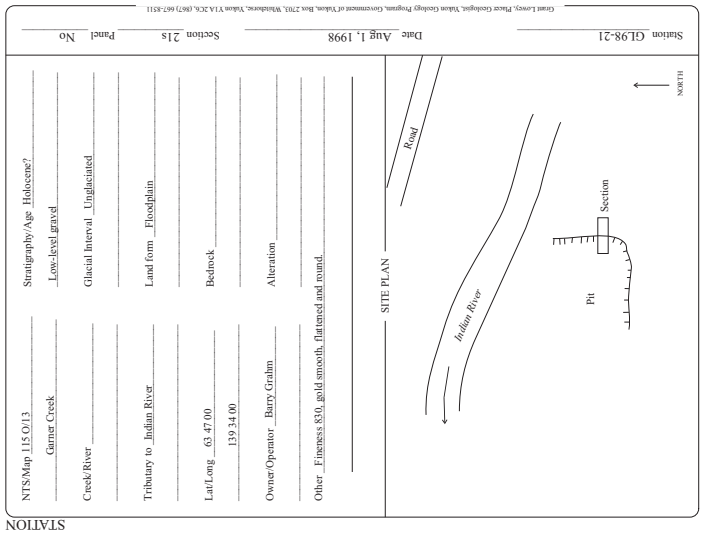

STATION
Station GL00-40
Date Aug 5, 2000
Section 40S
Panel 40P
Stratigraphy/Age Pliocene - Pleistocene
Intermediate-level gravel and Low-level gravel
Glacial Interval Unglaciated
Land form Paleofloodplain
elevation 1683' (top of gravel)
Bedrock Chlorite schist,
bedrock elevation 1680'
Alteration Clay
Other Reworked White Channel Gravel fineness 830, Dominion Creek Gravel fineness 860.
NTS/Map 115 O/10
Granville
Creek/River Confluence of
Dominion and Sulfur Creek
Tributary to Indian River
Lat/Long 63 39 05
139 39 15
Owner/Operator Lyle Gittenby
SITE PLAN
Dominion Creek
NORTH
section
panel
pit floor
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

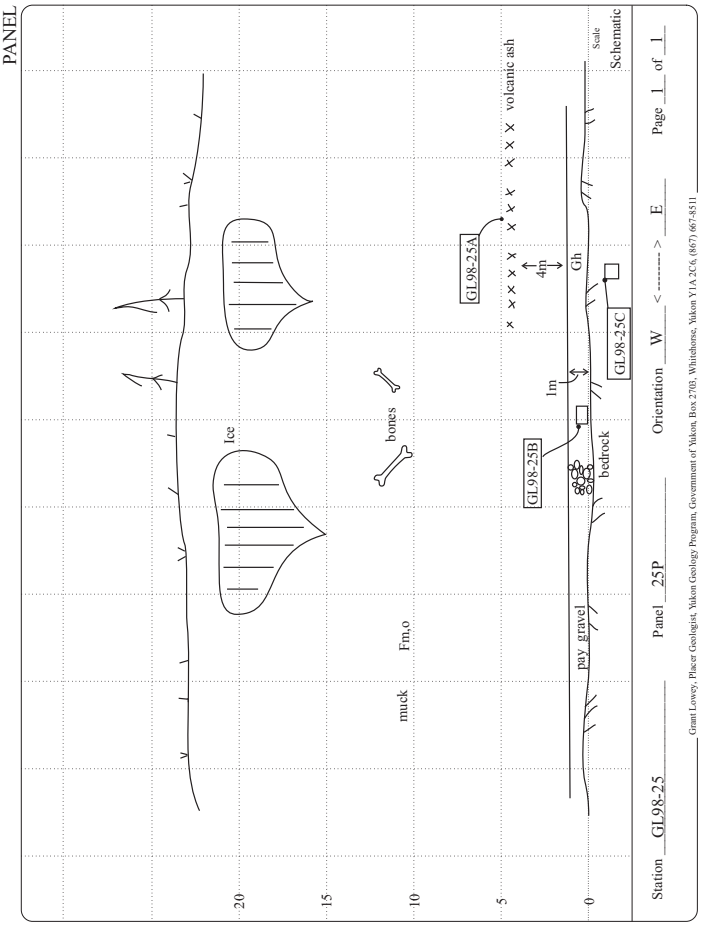

PANEL
Station GL00-40
Panel 40P
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
bulldozed surface
Dominion Creek Gravel
GL00-40B
GL00-40A
reworked "White Channel Gravel"
paleoflow out of page
covered
Gh
channel margin?
slight rise in bedrock
bedrock

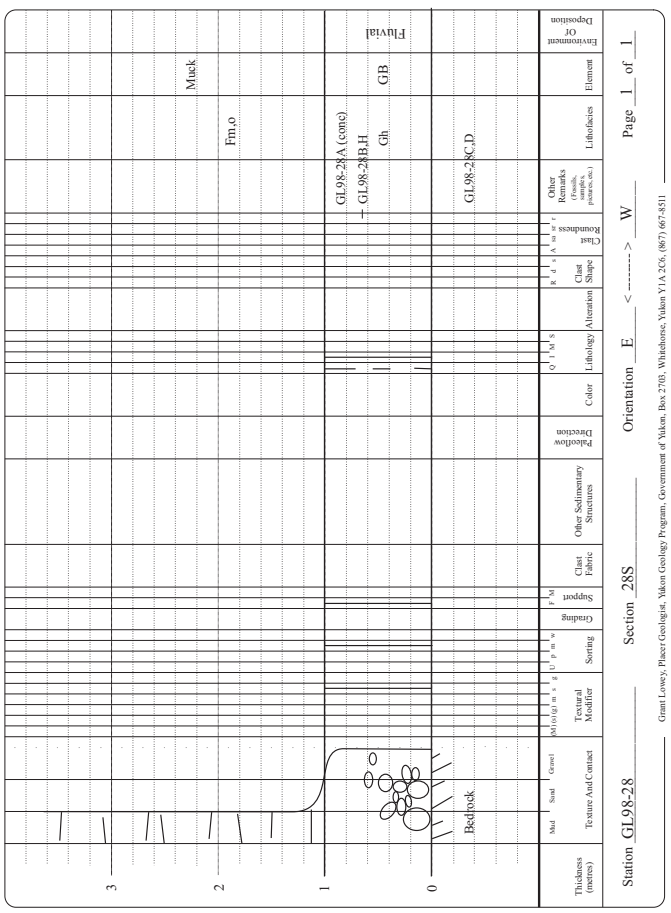

SECTION
Station GL98-12
Section 12S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Cladnig
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, photos, etc)
Lithofacies
Element
Environment Of Deposition
F:m,o
muck
Gh
GB
Fluvial
GL98-12A
GL98-12H
GL98-12B
Shale
3
2
1


STATION
Station GL98-12
Date July 29, 1998
Section 12S
Panel No
Geol Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/14
Stratigraphy/Age Pleistocene - Holocene
Grand Forks
Low-level gravel
Creek/River Indian River
Glacial Interval Unglaciated
Tributary to Yukon River
Land form River flood plain
Bedrock Shale
Lat/Long 63 46 00
139 19 00
Alteration
Owner/Operator Denis Foy
Other Fineness 790, only fine gold recovered.
SITE PLAN
Indian River
Section
Camp
Road
NORTH

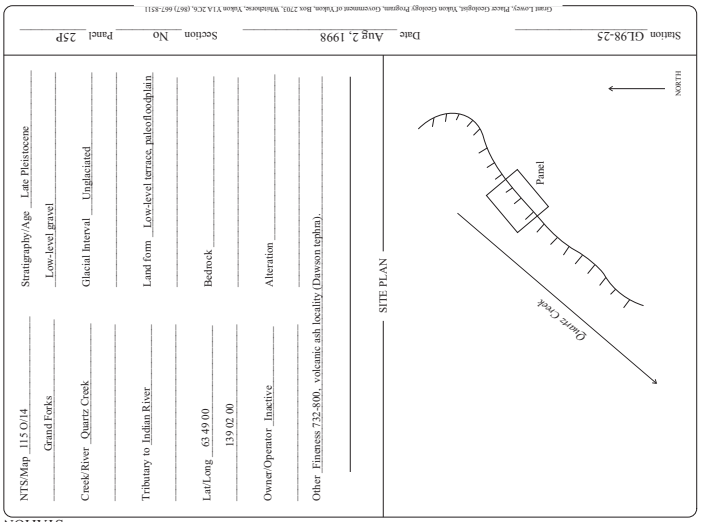
SECTION
Station GL98-21
Section 21S
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Cladnig
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, photos, etc)
Lithofacies
Element
Environment Of Deposition
Colluvium
Fl
GB
Gh
Fluvial
GL98-21B,H
GL98-21A
Abandoned river gravel bar
Bedrock
2
1
0


STATION
Station GL98-21
Date Aug 1, 1998
Section 21S
Panel No
Geol Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/13
Stratigraphy/Age Holocene?
Garner Creek
Low-level gravel
Creek/River
Glacial Interval Unglaciated
Tributary to Indian River
Land form Floodplain
Bedrock
Lat/Long 63 47 00
139 34 00
Alteration
Owner/Operator Barry Grahm
Other Fineness 830, gold smooth, flattened and round.
SITE PLAN
Road
Indian River
Pit
Section
NORTH

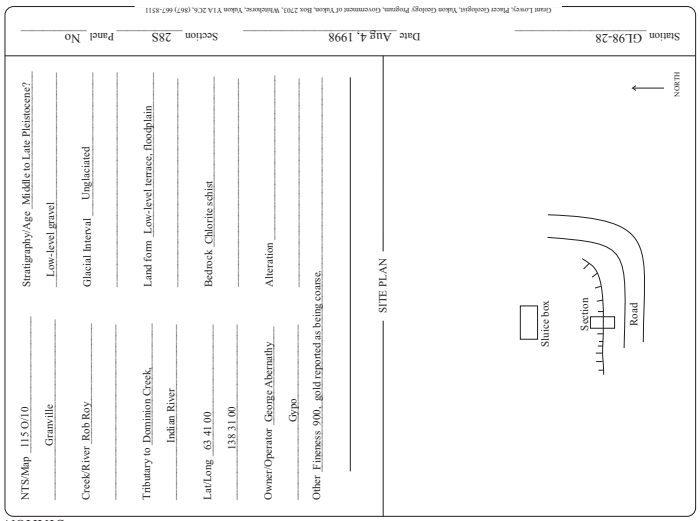


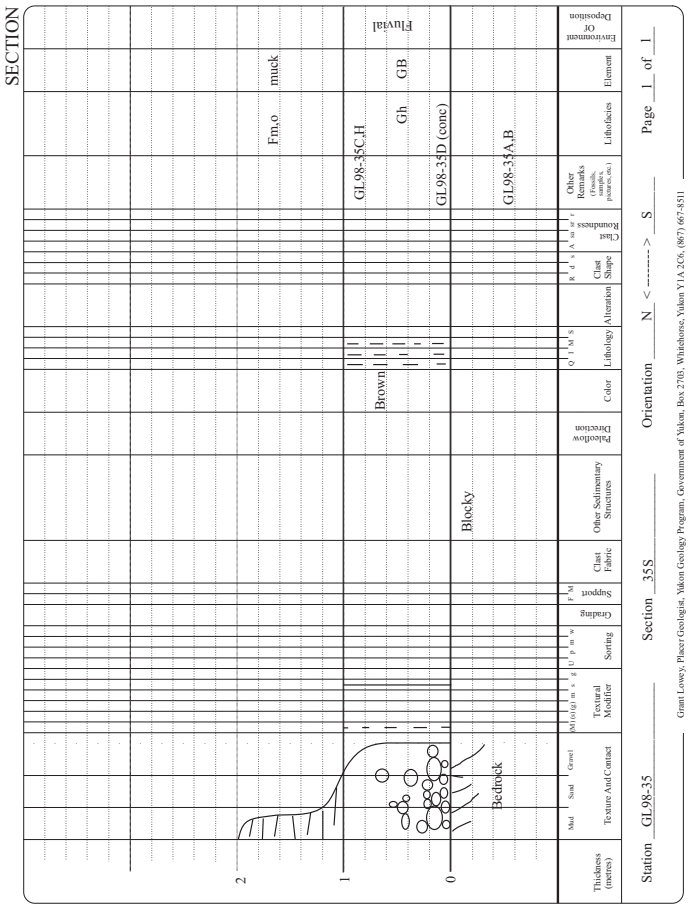


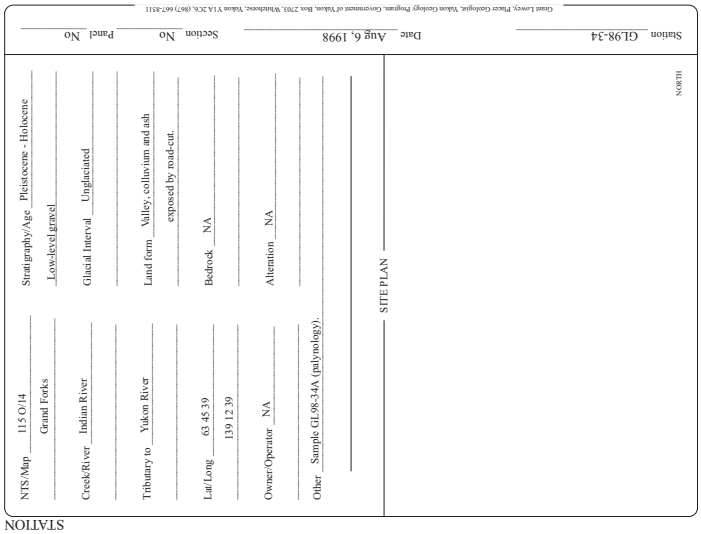
STATION

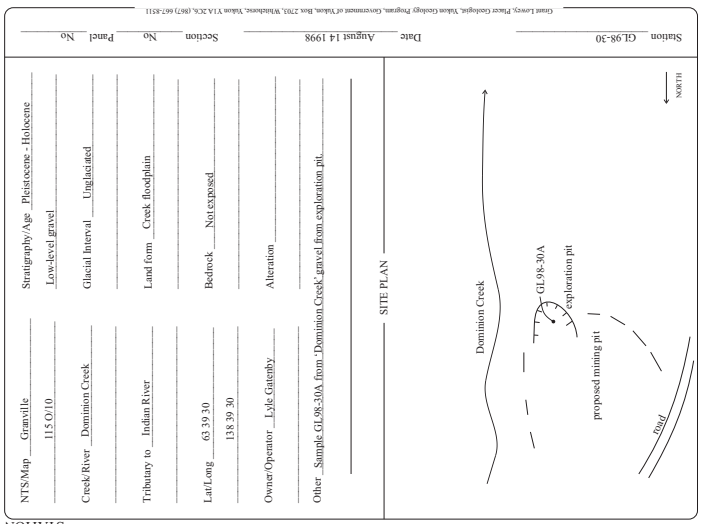


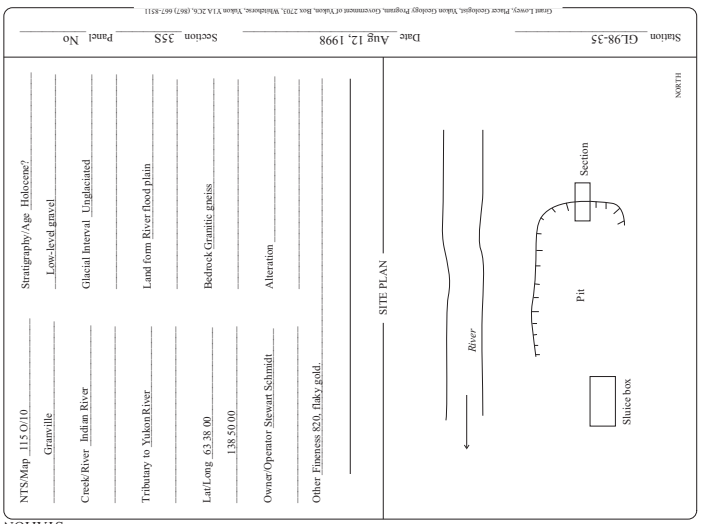
STATION

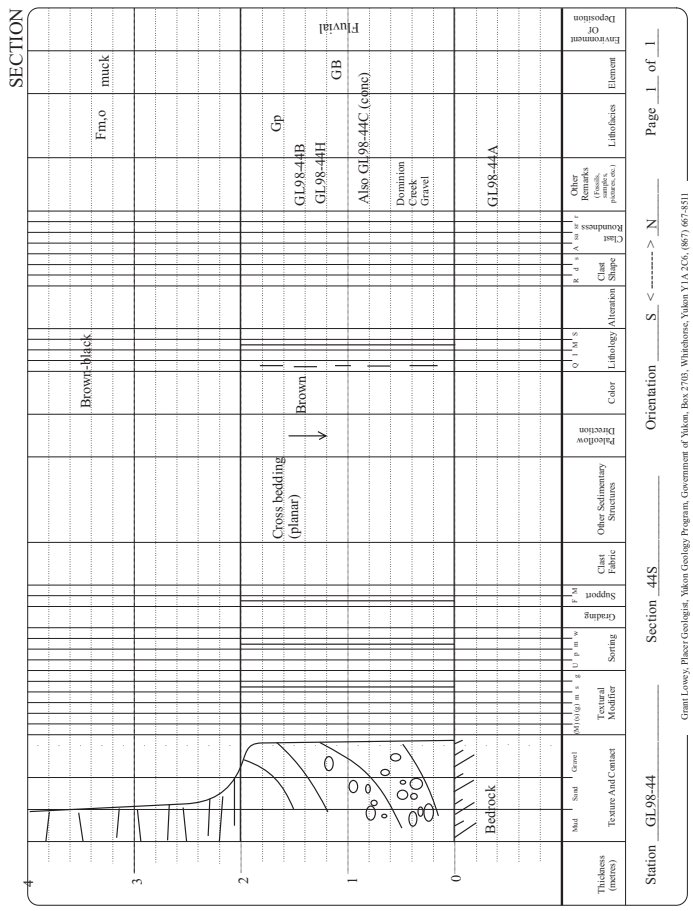


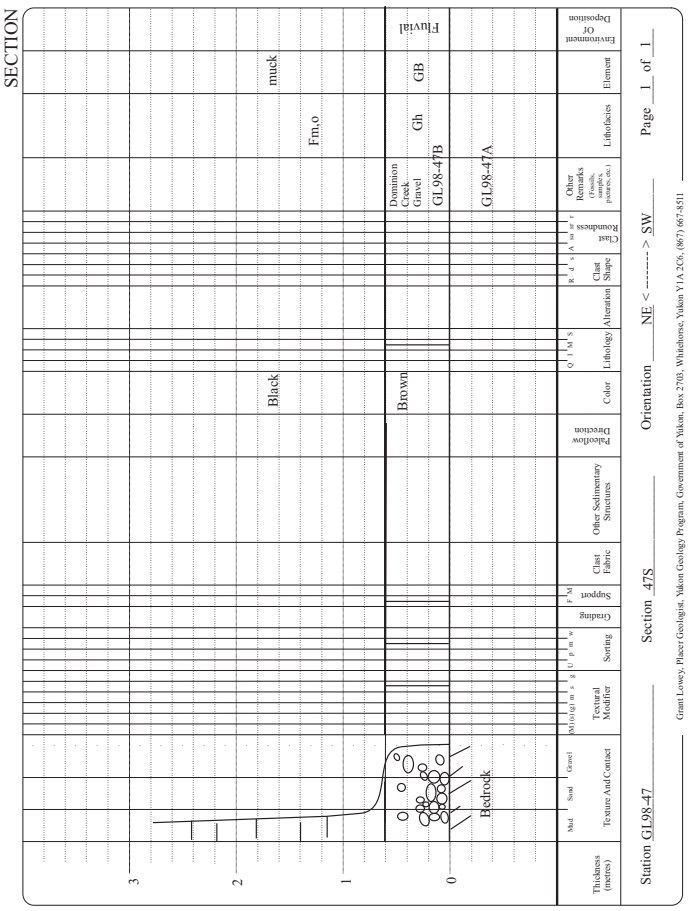

SECTION
Station GL98-35
Section 35S
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fm,o muck
GL98-35C,H
Gh GB
Fluvial
Brown
GL98-35D (conc)
Blocky
Bedrock
GL98-35A,B
2
1
0
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, photos etc)
Lithofacies
Element
Environment Of Deposition


STATION
NTS/Map 115 O/14
Grand Forks
Stratigraphy/Age Pleistocene - Holocene
Low-level gravel
Creek/River Indian River
Glacial Interval Unglaciated
Tributary to Yukon River
Land form Valley, colluvium and ash exposed by road-cut.
Lat/Long 63 45 39
139 12 39
Bedrock NA
Owner/Operator NA
Alteration NA
Other Sample GL98-34A (palynology).
SITE PLAN
NORTH
Station GL98-34
Date Aug 6, 1998
Section No
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map Granville
115 O/10
Stratigraphy/Age Pleistocene - Holocene
Low-level gravel
Creek/River Dominion Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form Creek floodplain
Lat/Long 63 39 30
138 39 30
Bedrock Not exposed
Owner/Operator Lyle Gatenby
Alteration
Other Sample GL98-30A from Dominion Creek gravel from exploration pit.
SITE PLAN
Dominion Creek
GL98-30A
exploration pit
proposed mining pit
road
NORTH
Station GL98-30
Date August 14 1998
Section No
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 O/10
Granville
Stratigraphy/Age Holocene?
Low-level gravel
Creek/River Indian River
Glacial Interval Unglaciated
Tributary to Yukon River
Land form River flood plain
Lat/Long 63 38 00
138 50 00
Bedrock Granitic gneiss
Owner/Operator Stewart Schmidt
Alteration
Other Fineness 820, flaky gold.
SITE PLAN
River
Pit
Section
Sluice box
NORTH
Station GL98-35
Date Aug 12, 1998
Section 35S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511





STATION

NTS/Map 115 O/10
Stratigraphy/Age Middle to late Pleistocene-Holocene, Low-level gravel
Creek/River Dominion Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form Low-level terrace, Dominion Creek floodplain
Lat/Long 63 45 00 / 138 30 00
Bedrock Biotite muscovite schist with garnet porphyroblasts.
Owner/Operator Miles Johnson
Alteration
Other Fineness 817-849
Mayerick Gold Mines

SITE PLAN
Section
Pit
Sluice box
NORTH

Station GL98-44 Date Aug 14, 1998 Section 44S Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

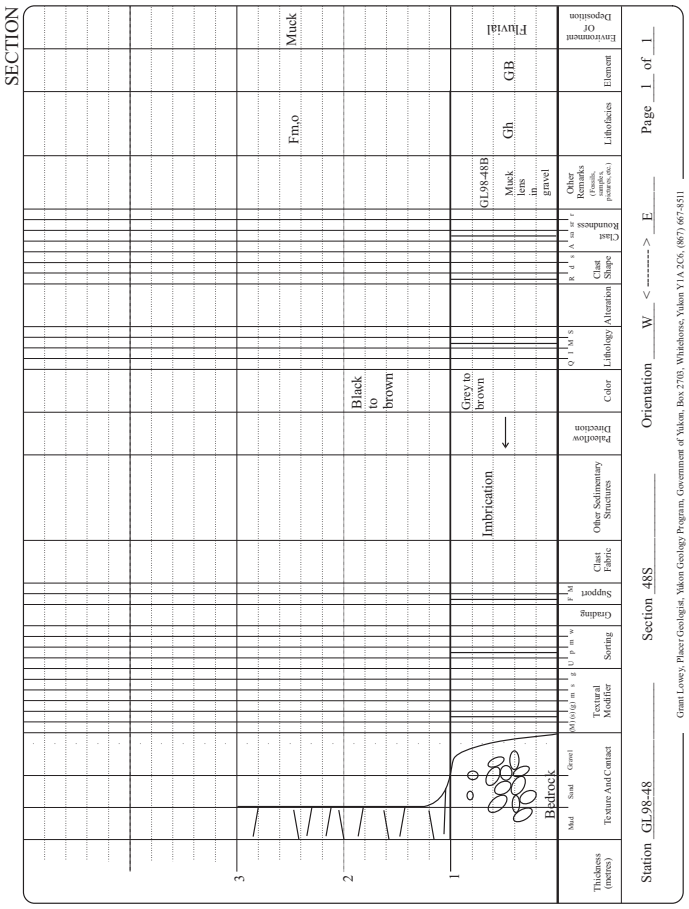
STATION

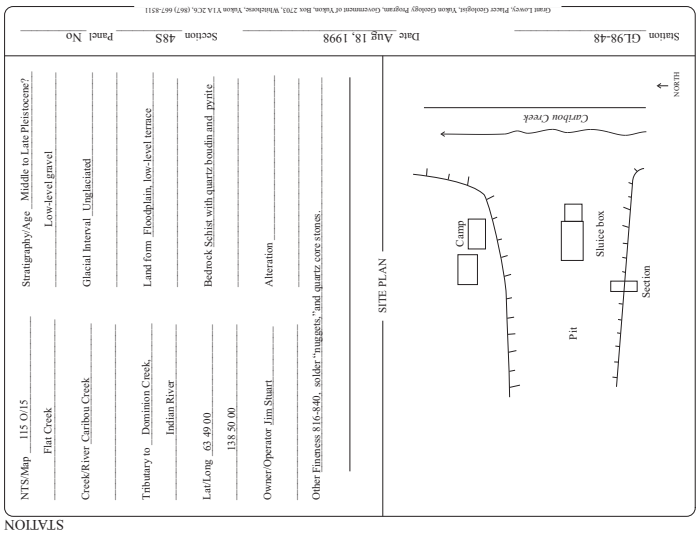
NTS/Map 115 O/15
Stratigraphy/Age Late Pleistocene-Holocene Low-level gravel
Creek/River Dominion Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form Low-level terrace, paleofloodplain
Lat/Long 63 52 00 / 138 54 00
Bedrock Chlorite quartz schist
Owner/Operator Hamilton Placers
Alteration
Other Fineness 800, gold fine with some small nuggets.

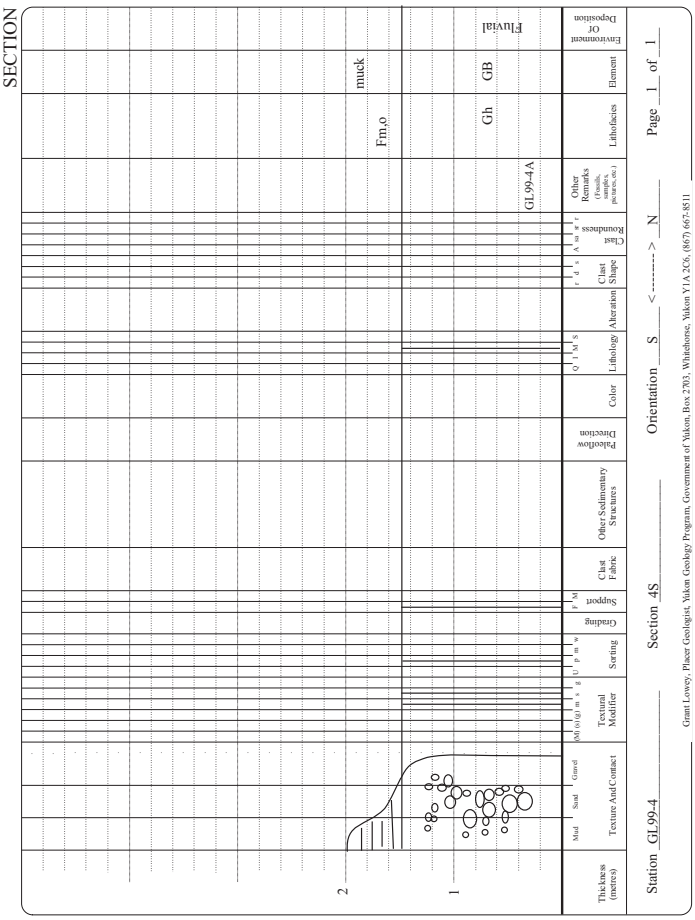
SITE PLAN
Road
Pit
Section
NORTH

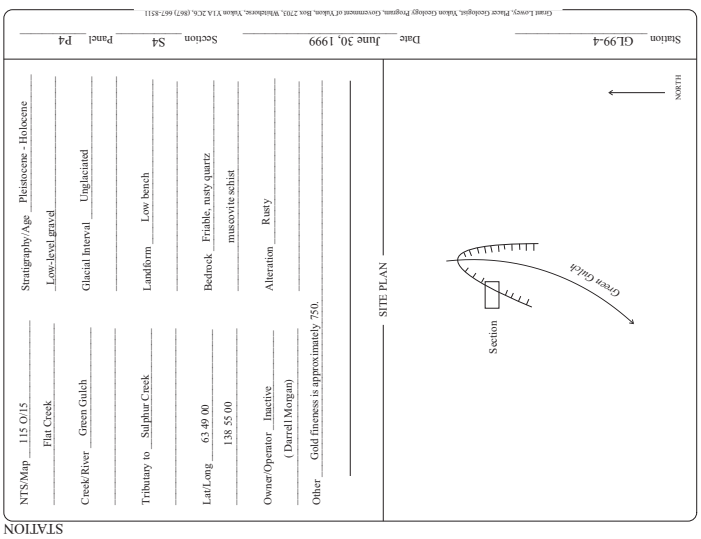
Station GL98-47 Date Aug 18, 1998 Section 47S Panel No

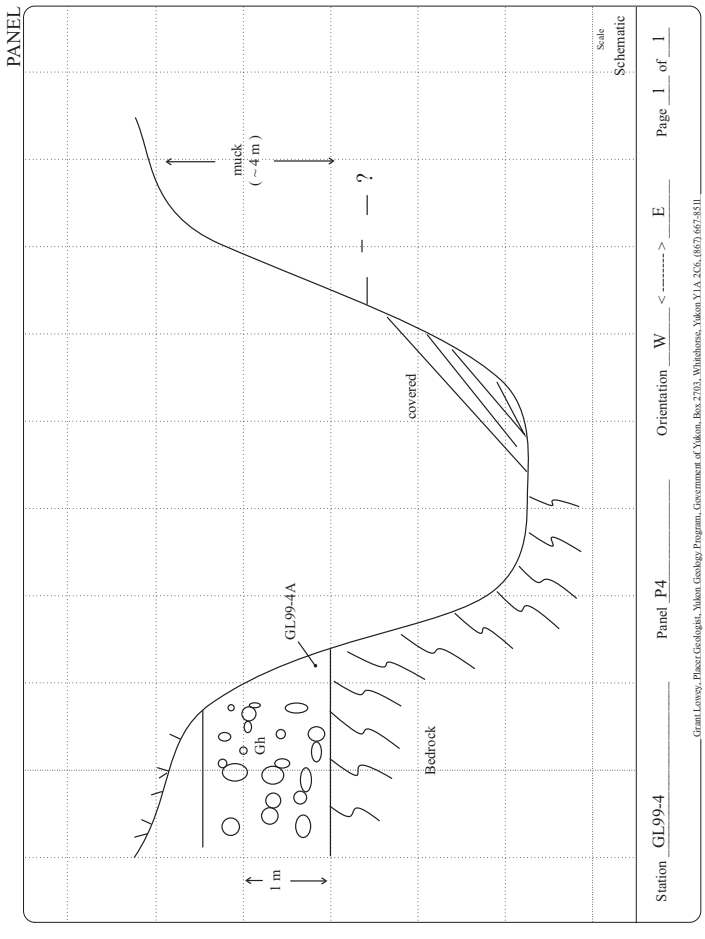
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

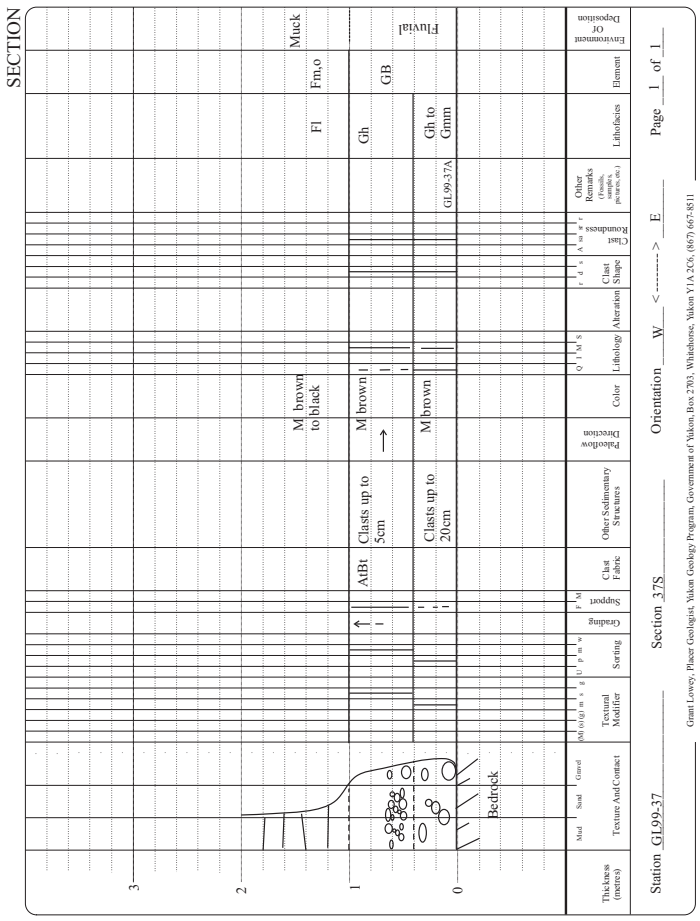

SECTION
Station GL98-48
Section 48S
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (structures, samples, photos etc.)
Lithofacies
Element
Environment Of Deposition
Imbrication
Black to brown
Grey to brown
Muck lens in gravel
GL98-48B
Fm,o
Muck
Gh
GB
Fluvial
Bedrock
1
2
3

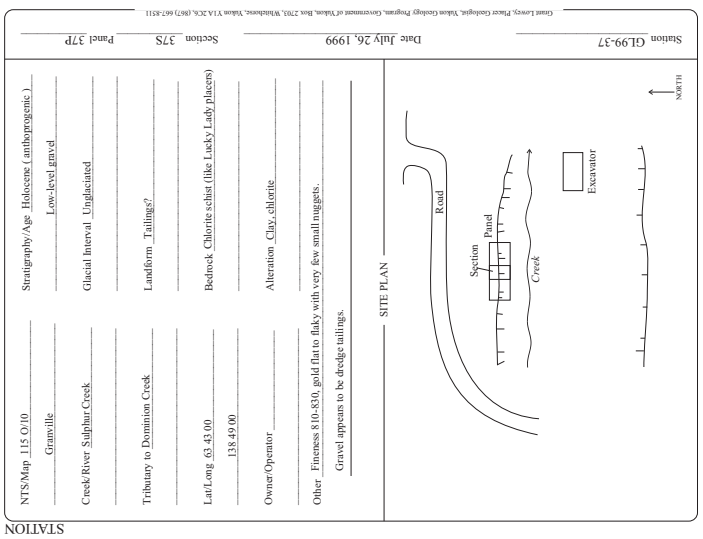

STATION
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/15
Stratigraphy/Age Middle to Late Pleistocene?
Flat Creek
Low-level gravel
Creek/River Caribou Creek
Glacial Interval Unglaciated
Tributary to Dominion Creek,
Indian River
Land form Floodplain, low-level terrace
Lat/Long 63 49 00
138 50 00
Bedrock Schist with quartz boudin and pyrite
Owner/Operator Jim Stuart
Alteration
Other Fineness 816-840, solder "nuggets, "and quartz core stones.
SITE PLAN
Camp
Pit
Sluice box
Section
Caribou Creek
NORTH
Station GL98-48
Date Aug 18, 1998
Section 48S
Panel No

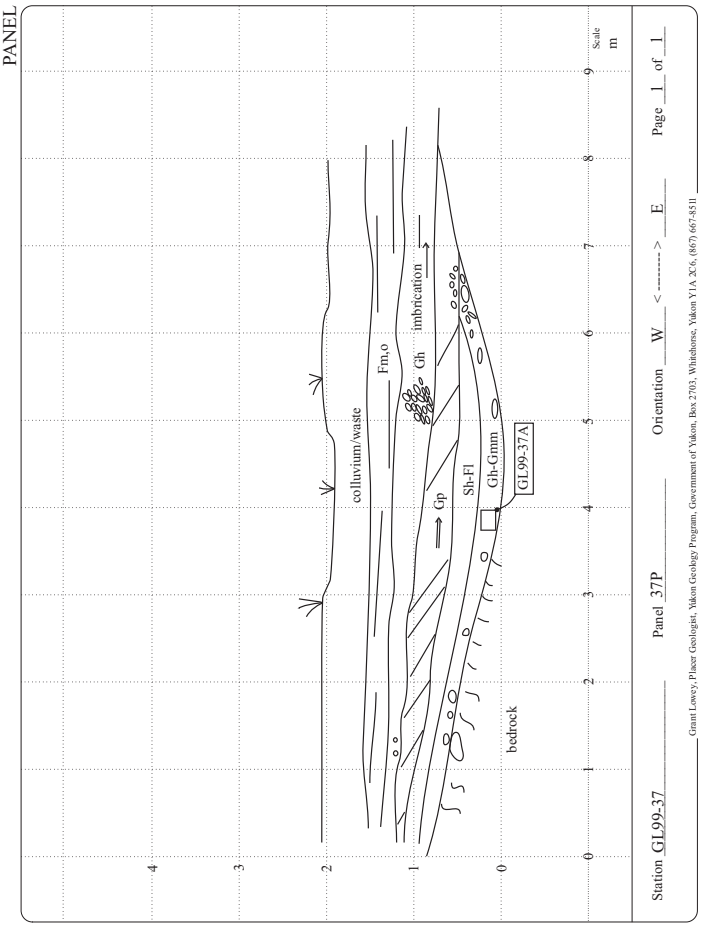

SECTION
Station GL99-4
Section 4S
Orientation S <-------> N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
GL99-4A
Fm,o
muck
Gh
GB
Fluvial

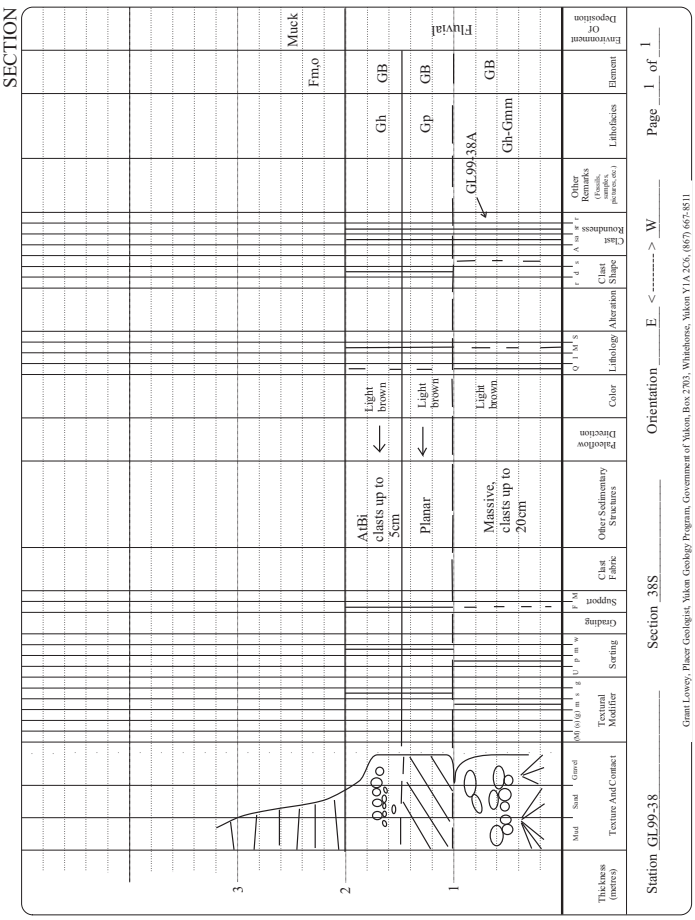

STATION
NTS/Map 115 O/15
Stratigraphy/Age Pleistocene - Holocene
Flat Creek
Low-level gravel
Creek/River Green Gulch
Glacial Interval Unglaciated
Tributary to Sulphur Creek
Landform Low bench
Lat/Long 63 49 00
138 55 00
Bedrock Friable, rusty quartz
muscovite schist
Owner/Operator Inactive
(Darrel Morgan)
Alteration Rusty
Other Gold fineness is approximately 750.
SITE PLAN
Section
Green Gulch
NORTH
Station GL99-4
Date June 30, 1999
Section 4S
Panel P4
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

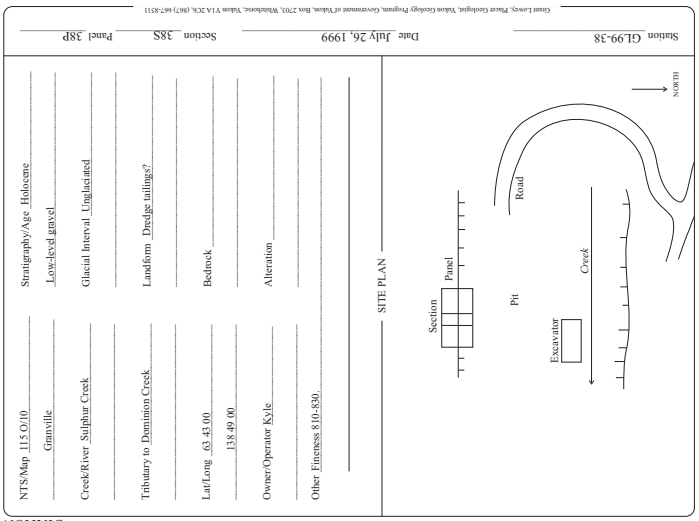

PANEL
Station GL99-4
Panel P4
Orientation W <-------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale
Schematic
muck
(~ 4 m)
? ?
covered
GL99-4A
Gh
1 m
Bedrock

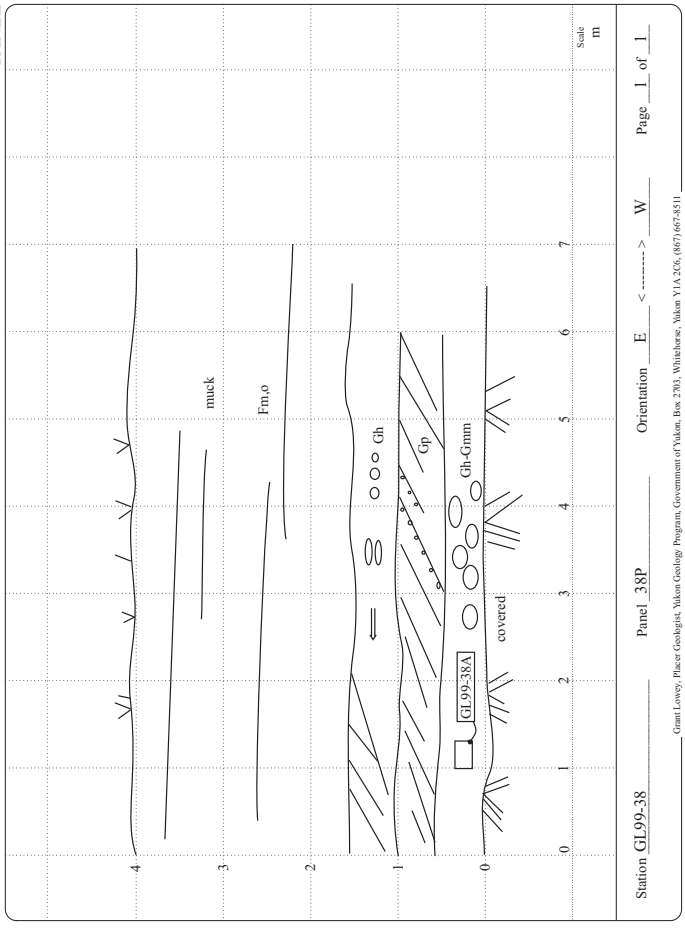

SECTION
Station GL99-37
Section 37S
Orientation W <-------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (inches)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast Size
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Gh
GB
Fl
Fm,o
Gh to Gmm
Muck
Fluvial
M, brown to black
M brown
Clasts up to 5cm
Clasts up to 20cm
AtBt
GL99-37A
Bedrock

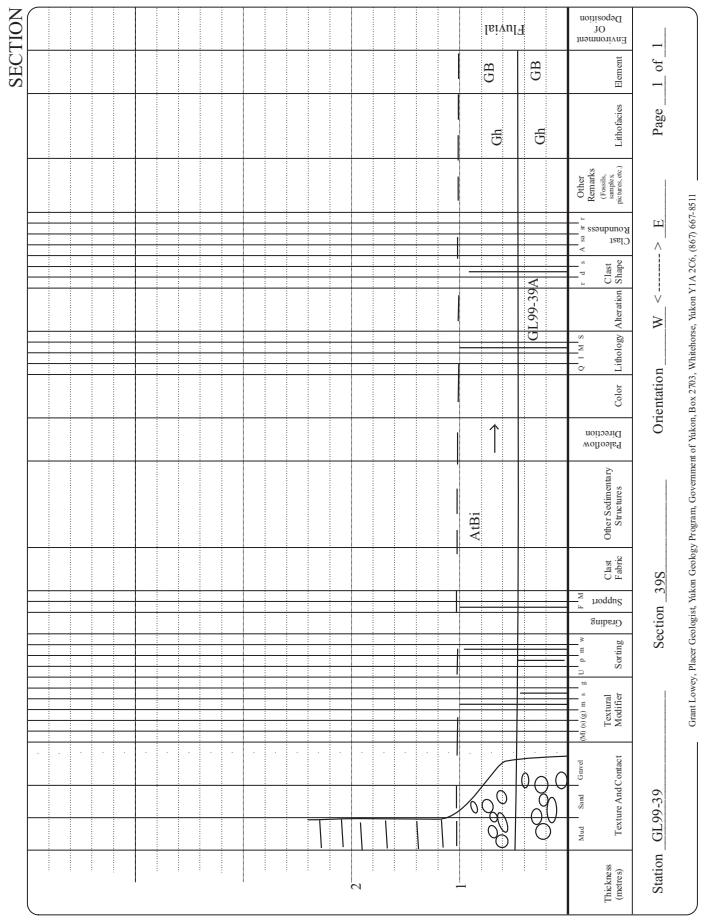

STATION
Stratigraphy/Age Holocene (anthropogenic)
Low-level gravel
Glacial Interval Unglaciated
Landform Tailings?
Bedrock Chlorite schist (like Lucky Lady placers)
Alteration Clay, chlorite
Other Fineness 810-830, gold flat to flaky with very few small nuggets.
Gravel appears to be dredge tailings.
NTS/Map 115 O/10
Granville
Creek/River Sulphur Creek
Tributary to Dominion Creek
Lat/Long 63 43 00
138 49 00
Owner/Operator
SITE PLAN
Road
Section
Panel
Creek
Excavator
NORTH
Station GL99-37
Date July 26, 1999
Section 37S
Panel 37P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

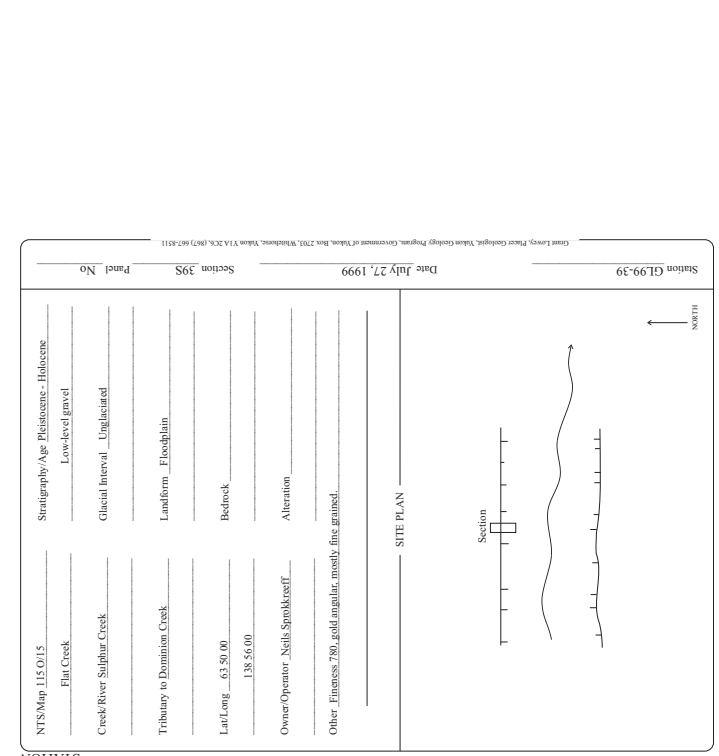

PANEL
colluvium/waste
Fm,o
Gh imbrication
Gp
Sh-Fl
Gh-Gmm
GL99-37A
bedrock
Scale m
Station GL99-37
Panel 37P
Orientation W <-------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL99-38
Section 38S
Orientation E <-------> W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Fm,o
Muck
Fluvial
AtBi clasts up to 5cm
Planar
Massive, clasts up to 20cm
Light brown
Gh
Gp
Gh-Gmm
GB
GL99-38A


STATION
NTS/Map 115 O/10
Granville
Creek/River Sulphur Creek
Tributary to Dominion Creek
Lat/Long 63 43 00
138 49 00
Other Fineness 810-830
Stratigraphy/Age Holocene
Low-level gravel
Glacial Interval Unglaciated
Landform Dredge tailings?
Bedrock
Alteration
SITE PLAN
Section
Panel
Excavator
Pit
Creek
Road
NORTH
Station GL99-38
Date July 26, 1999
Section 38S
Panel 38P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

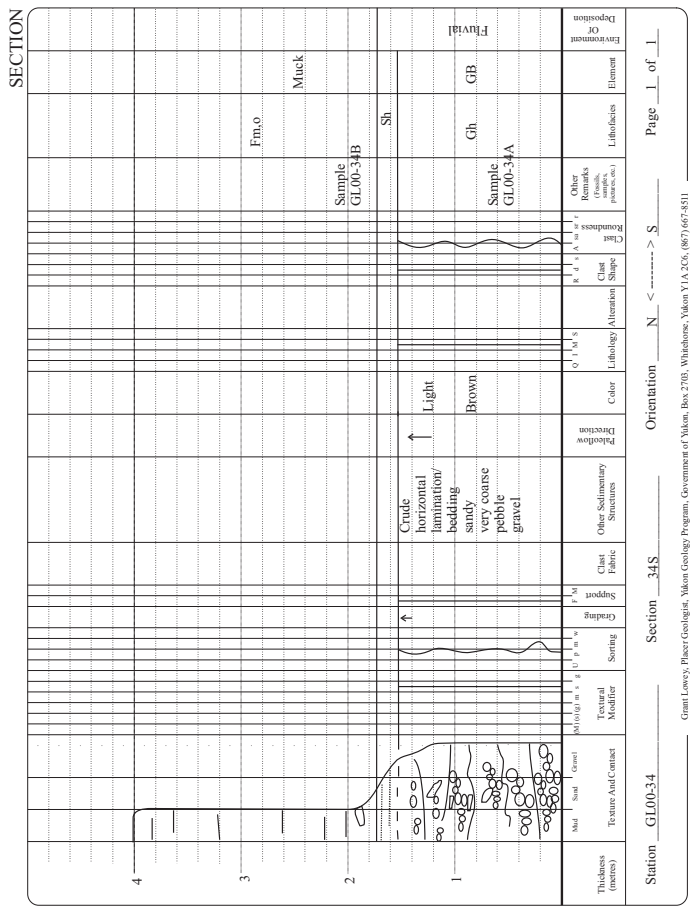

PANEL
muck
Fm,o
Gh
Gp
Gh-Gmm
GL99-38A
covered
Station GL99-38
Panel 38P
Orientation E <-------> W
Page 1 of 1
Scale m
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

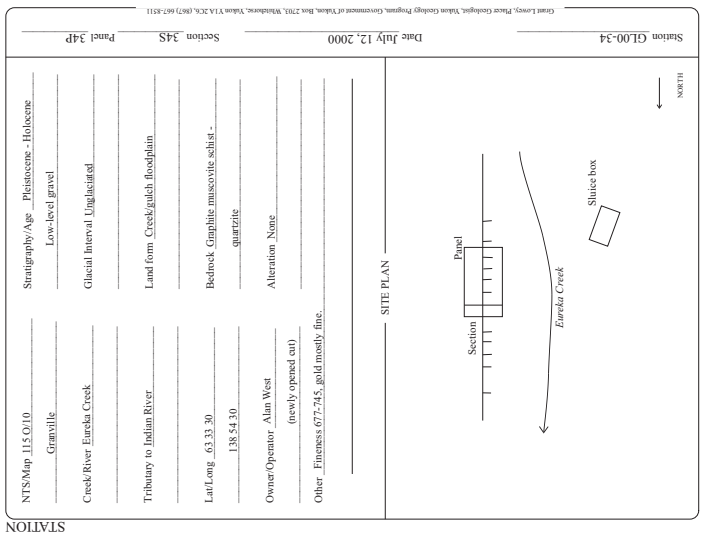

SECTION
Station GL99-39
Section 39S
Orientation W <-------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures etc)
Lithofacies
Element
Environment Of Deposition
AtBi
GL99-39A
Gh
GB
Fluvial

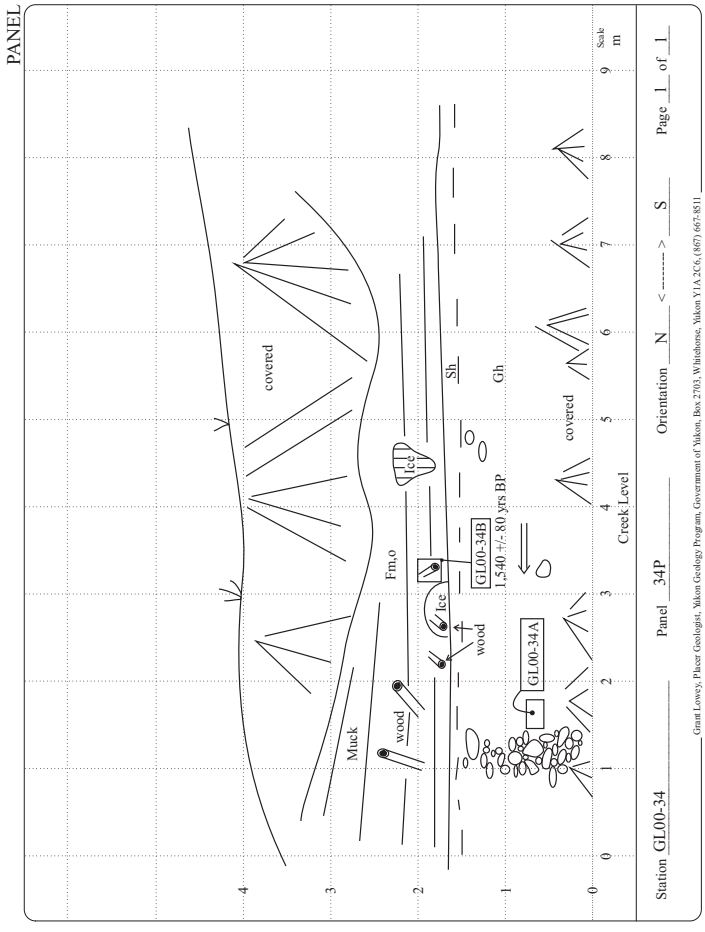

STATION
NTS/Map 115 O/15
Stratigraphy/Age Pleistocene - Holocene
Flat Creek
Low-level gravel
Creek/River Sulphur Creek
Glacial Interval Unglaciated
Tributary to Dominion Creek
Landform Floodplain
Lat/Long 63 50 00
138 56 00
Bedrock
Owner/Operator Neils Sprokkreeff
Alteration
Other Fineness 780, gold angular, mostly fine grained.
SITE PLAN
Section
NORTH
Station GL99-39
Date July 27, 1999
Section 39S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

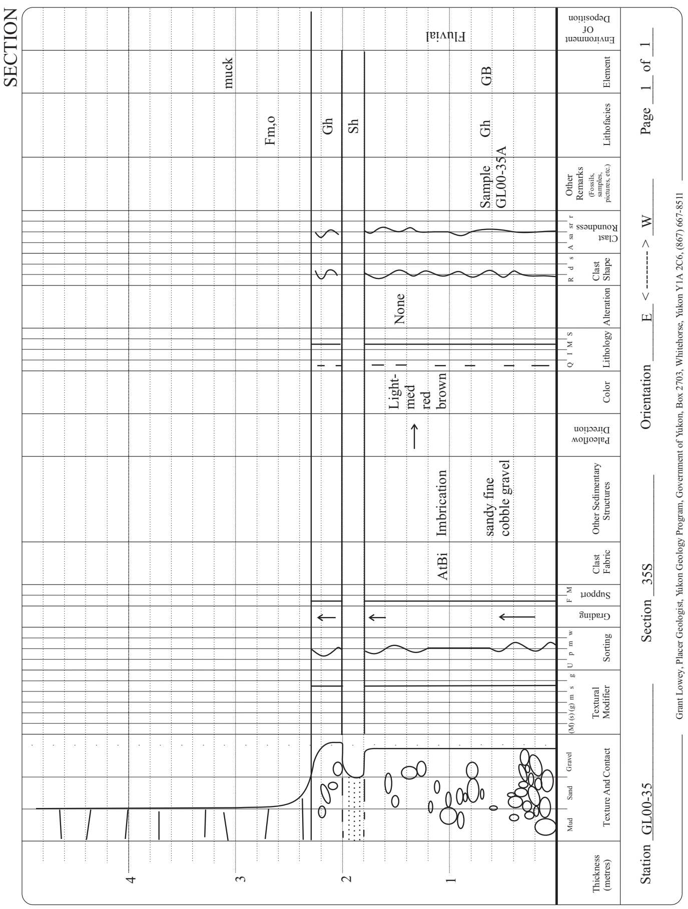
SECTION
Station GL99-49
Section 49S
Orientation N <-------> S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures etc)
Lithofacies
Element
Environment Of Deposition
AtBi
Horizontla lamination
Clasts up to 15cm
Bones
Light rusty brown
Oxidized
Fm,o
muck
Gh
GB
Sh
GL99-49A
Bedrock 0.5cm below
Fluvial

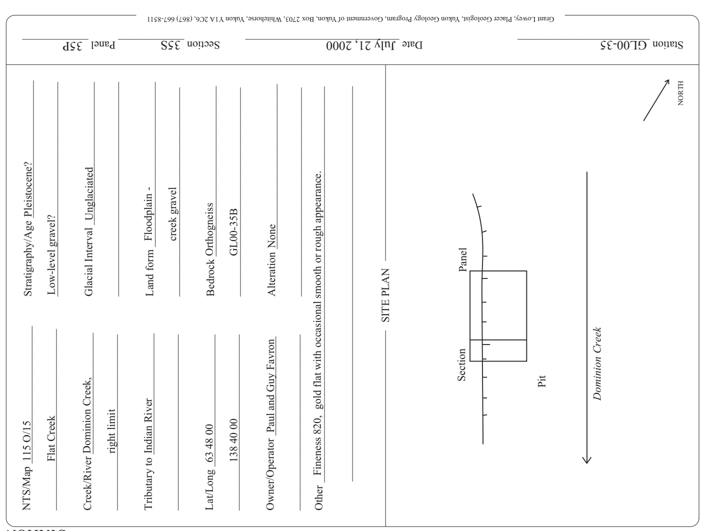
STATION
NTS/Map 115 O/10
Stratigraphy/Age Pleistocene (late?)
Granville
Low-level gravel
Creek/River Eureka Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form Low-level terrace, paleofloodplain
Lat/Long 63 35 00
138 51 00
Bedrock Quartz muscovite schist
Owner/Operator Richard Allen
Eureka Placers Ltd.
Alteration Oxidation, blocky
Other Fineness 690, gold mostly fine.
SITE PLAN
Road
Section
Dip of bedrock contact
Sluice box
Creek
NORTH
Station GL99-49
Date Aug 9, 1999
Section 49S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

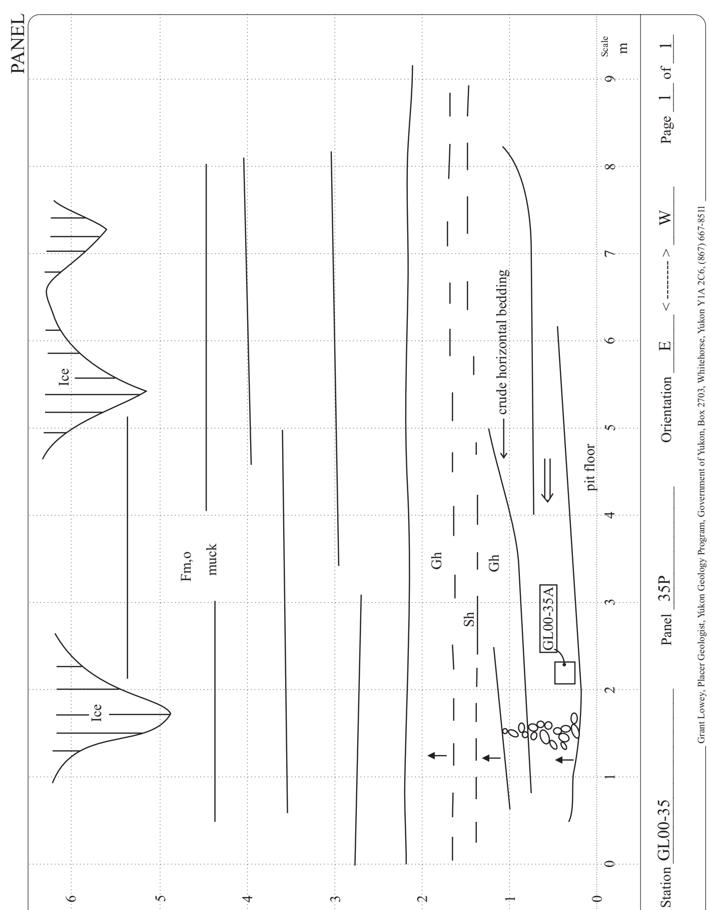

SECTION
Station GL00-34
Section 34S
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Cradling
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Crude horizontal lamination/ bedding
sandy very coarse pebble gravel
Light
Brown
Sample GL00-34B
Sample GL00-34A
Fm.o
Muck
Sh
Gh
GB
Fluvial


STATION
NTS/Map 115 O/10
Stratigraphy/Age Pleistocene - Holocene
Granville
Low-level gravel
Creek/River Eureka Creek
Glacial Interval Unglaciated
Tributary to Indian River
Land form Creek/gulch floodplain
Lat/Long 63 33 30
138 54 30
Bedrock Graphite muscovite schist - quartzite
Owner/Operator Alan West
(newly opened cut)
Alteration None
Other Fineness 677-745, gold mostly fine.
SITE PLAN
Panel
Section
Eureka Creek
Sluice box
NORTH
Station GL00-34
Date July 12, 2000
Section 34S
Panel 34P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
Station GL00-34
Panel 34P
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
covered
Muck
wood
Fm.o
Ice
GL00-34B
1,540 +/- 80 yrs BP
GL00-34A
Sh
Gh
Creek Level


SECTION
muck
Fm,o
Gh
Sh
Gh
GB
Fluvial
Sample GL00-35A
None
Light-med red brown
Imbrication
sandy fine cobble gravel
AtBi
Station GL00-35
Section 35S
Orientation E <--------> W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL00-35
Date July 21, 2000
Section 35S
Panel 35P
NTS/Map 115 O/15
Flat Creek
Stratigraphy/Age Pleistocene?
Low-level gravel?
Creek/River Dominion Creek, right limit
Glacial Interval Unglaciated
Tributary to Indian River
Land form Floodplain - creek gravel
Lat/Long 63 48 00
138 40 00
Bedrock Orthogneiss
GL00-35B
Owner/Operator Paul and Guy Favron
Alteration None
Other Fineness 820, gold flat with occasional smooth or rough appearance.
SITE PLAN
NORTH
Panel
Section
Pit
Dominion Creek
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

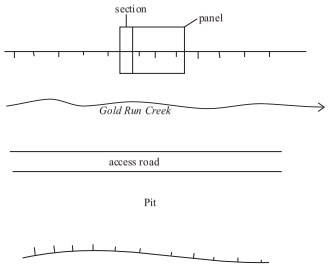

PANEL
Ice
Ice
Fm,o
muck
Gh
Sh
Gh
GL00-35A
crude horizontal bedding
pit floor
Scale m
Station GL00-35
Panel 35P
Orientation E <--------> W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 O/10 — Stratigraphy/Age Pleistocene - Holocene
Granville — Low-level gravel
Creek/River Gold Run Creek — Glacial Interval Unglaciated
Tributary to Dominion Creek — Land form Creek gravel
Lat/Long 63 42 00 — Bedrock Chlorite-muscovite schist
138 37 00
Owner/Operator Teck — Alteration None
(abandoned)
Other

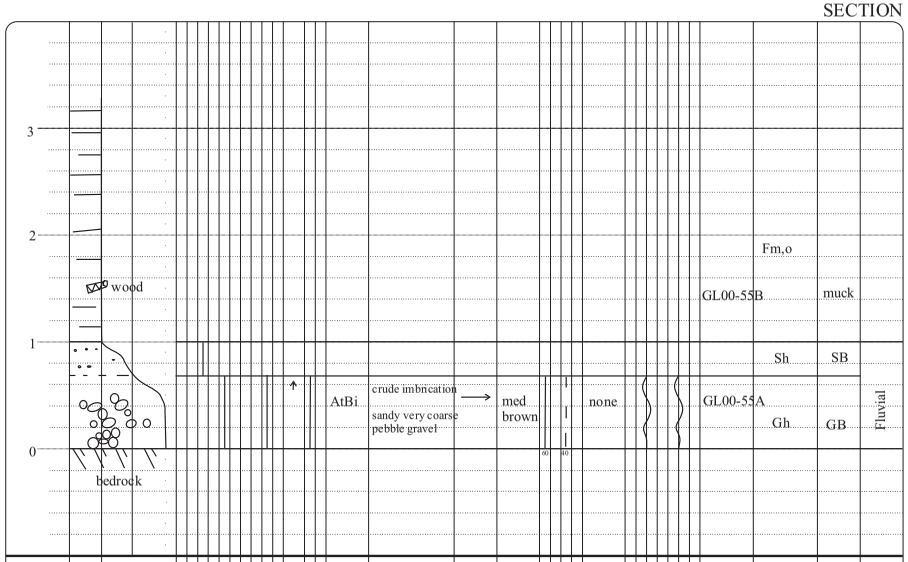
Station GL00-55 — Date Aug 25, 2000 — Section 55S — Panel 55P

SITE PLAN



Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION

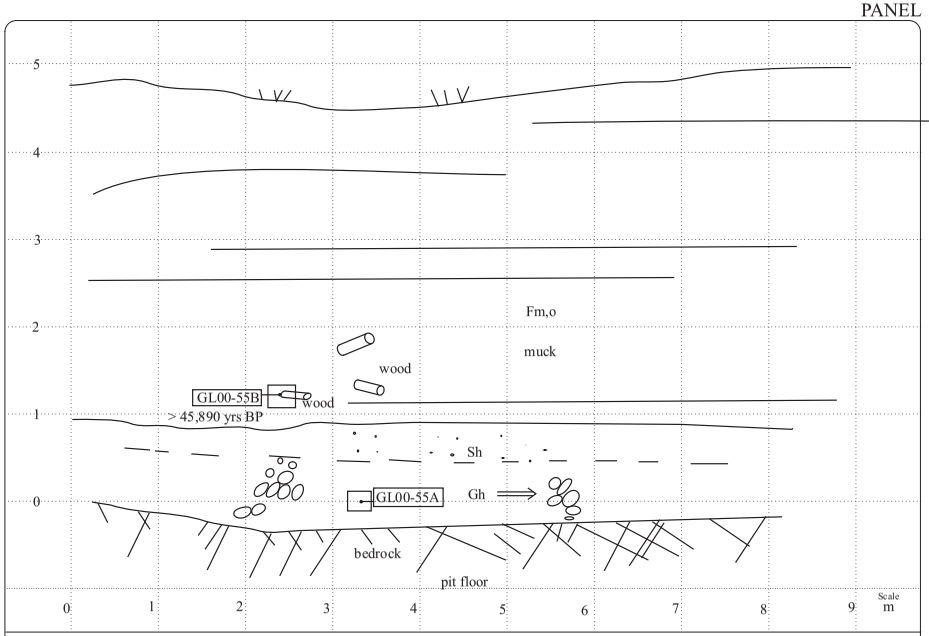


Thickness (metres)	Texture And Contact (Mud / Sand / Gravel)	Textural Modifier (M (o) (g) m s g)	Sorting (U p m w)	Grading	Support (F M)	Clast Fabric	Other Sedimentary Structures	Paleoflow Direction	Color	Lithology (Q I M S)	Alteration	Clast Shape (R d s A)	Clast Roundness (ss sr r)	Other Remarks (Fossils, samples, pictures, etc.)	Lithofacies	Element	Environment Of Deposition
						AtBi	crude imbrication; sandy very coarse pebble gravel	→	med brown		none			GL00-55B; GL00-55A	Fm,o; Sh; Gh	muck; SB; GB	Fluvial

Station GL00-55 — Section 55S — Orientation W < -------- > E — Page 1 of 1

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

PANEL



Station GL00-55 — Panel 55P — Orientation W < -------- > E — Page 1 of 1

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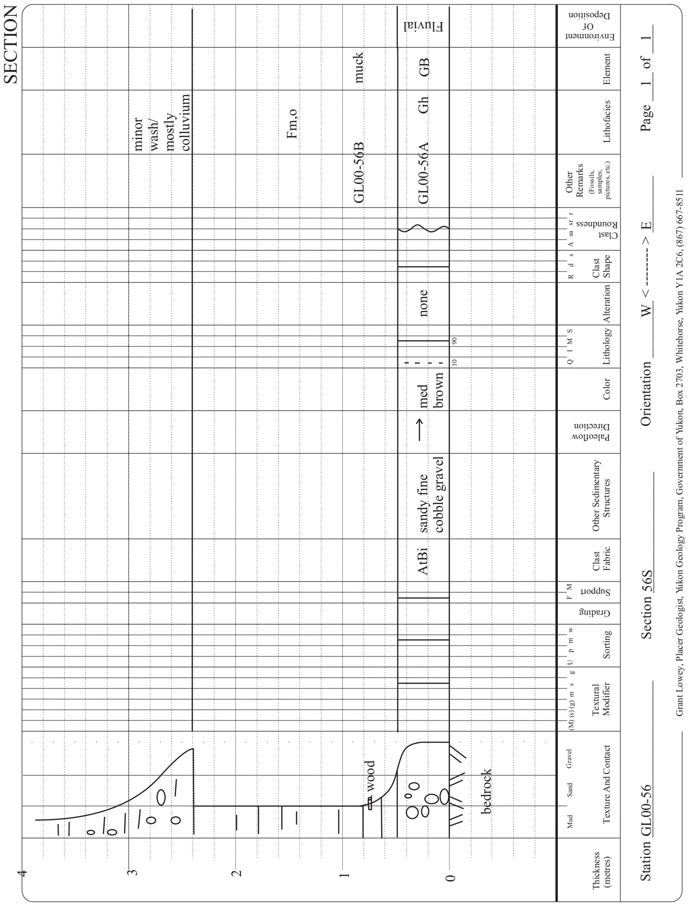
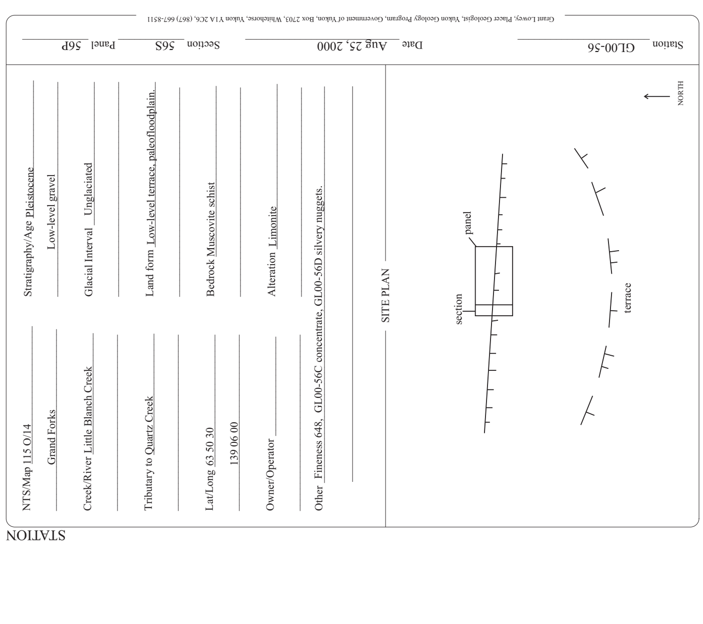
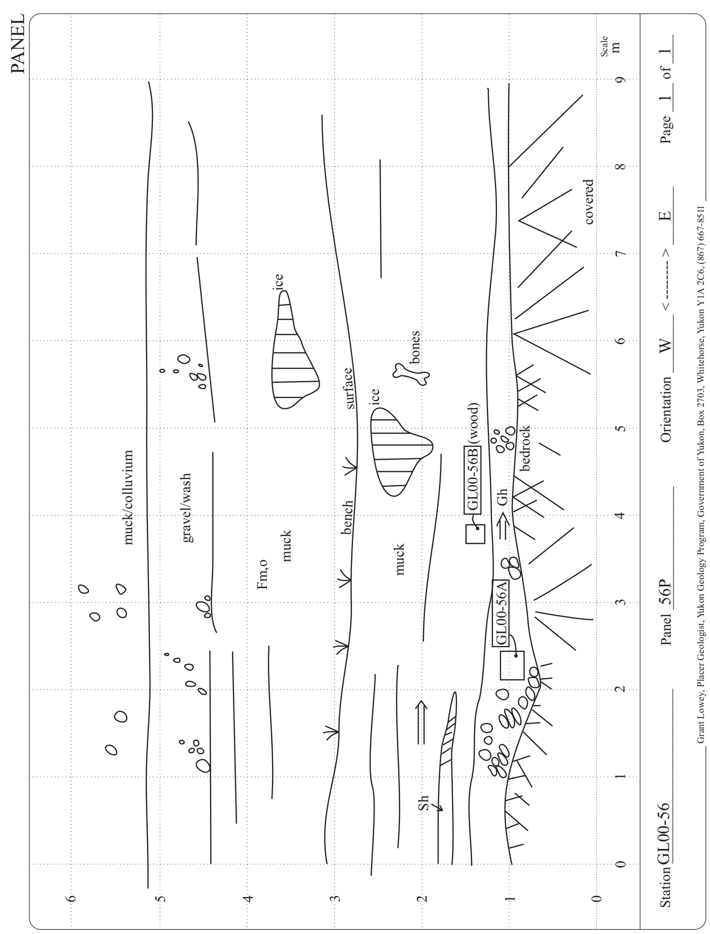
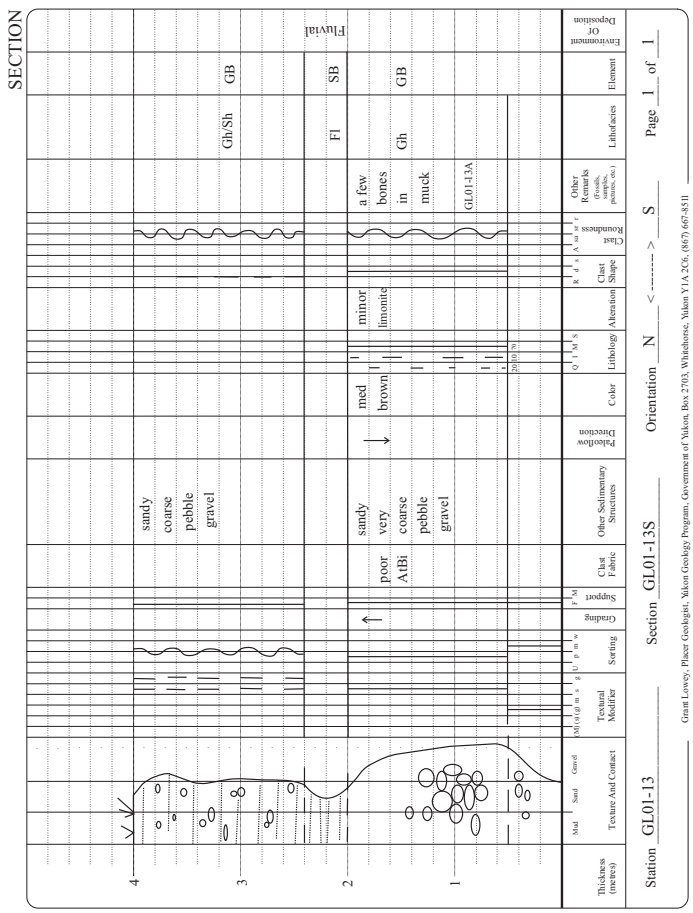
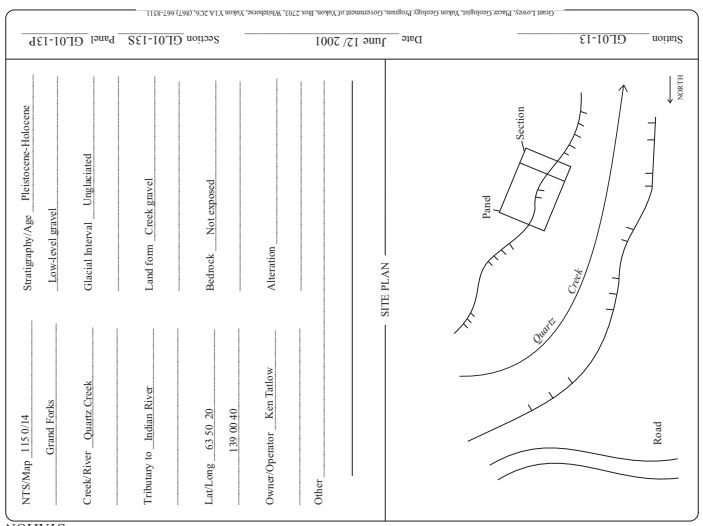
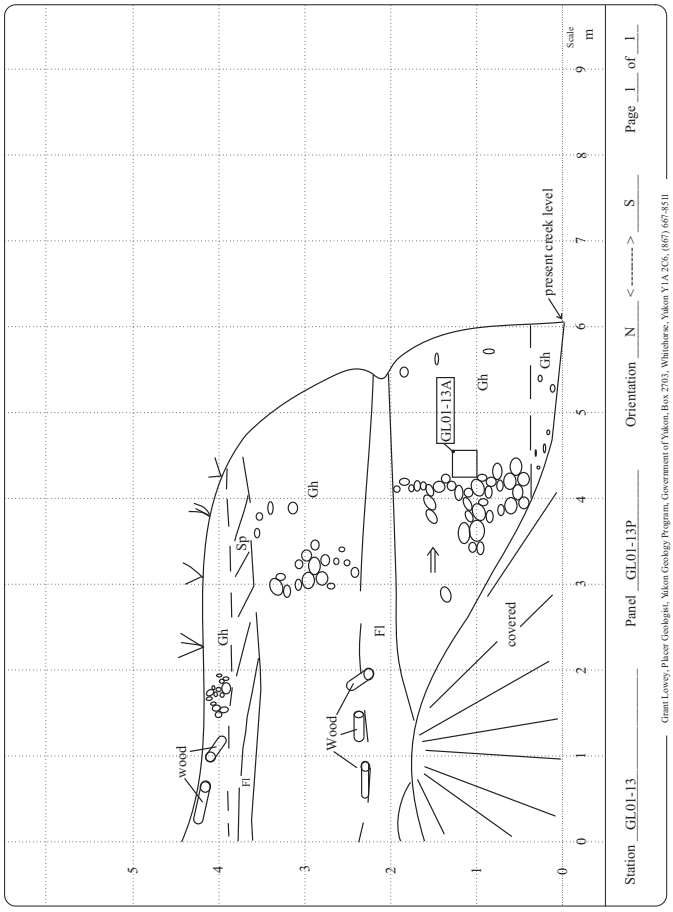

SECTION
Station GL00-56
Section 56S
Orientation W <-------> E
Page 1 of 1
Thickness (metres)
Texture And Contact
Mud Sand Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
wood
bedrock
AtBi
sandy fine cobble gravel
med brown
none
GL00-56A
GL00-56B
Gh
GB
Fm,o
muck
minor wash/ mostly colluvium
Fluvial
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

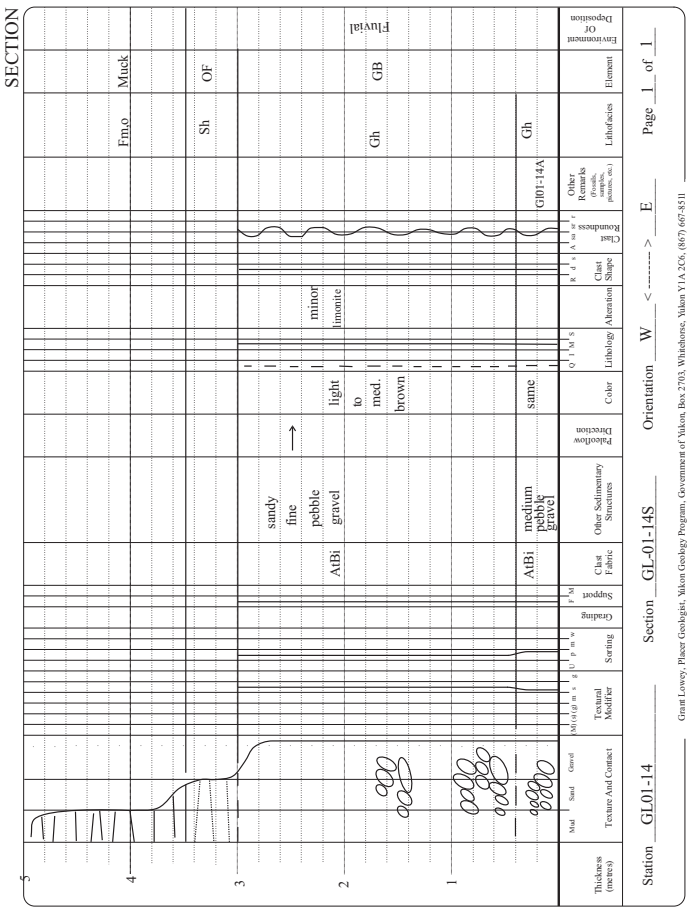

STATION
Station GL00-56
Date Aug 25, 2000
Section 56S
Panel 56P
NTS/Map 115 O/14
Grand Forks
Stratigraphy/Age Pleistocene
Low-level gravel
Creek/River Little Blanch Creek
Glacial Interval Unglaciated
Tributary to Quartz Creek
Land form Low-level terrace, paleofloodplain
Lat/Long 63 50 30
139 06 00
Bedrock Muscovite schist
Owner/Operator
Alteration Limonite
Other Fineness 648, GL00-56C concentrate, GL00-56D silvery nuggets.
SITE PLAN
NORTH
panel
section
terrace
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

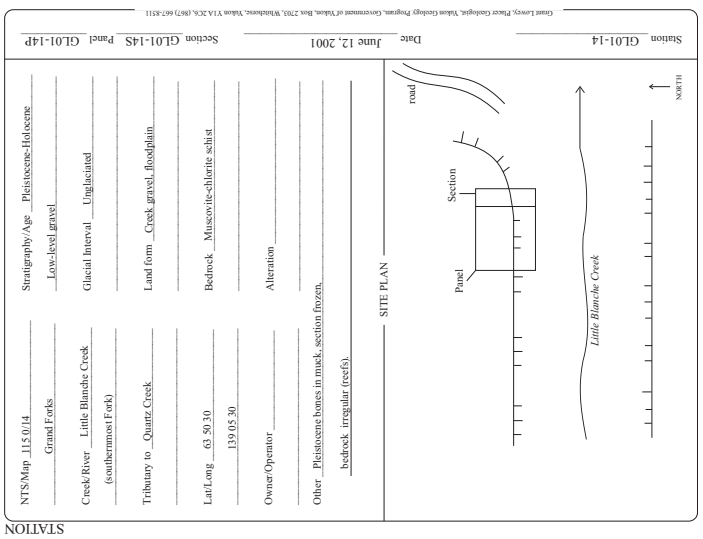

PANEL
Station GL00-56
Panel 56P
Orientation W <-------> E
Page 1 of 1
Scale m
muck/colluvium
gravel/wash
Fm,o
muck
ice
ice
bones
bench
surface
muck
GL00-56B (wood)
GL00-56A
Gh
Sh
bedrock
covered
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

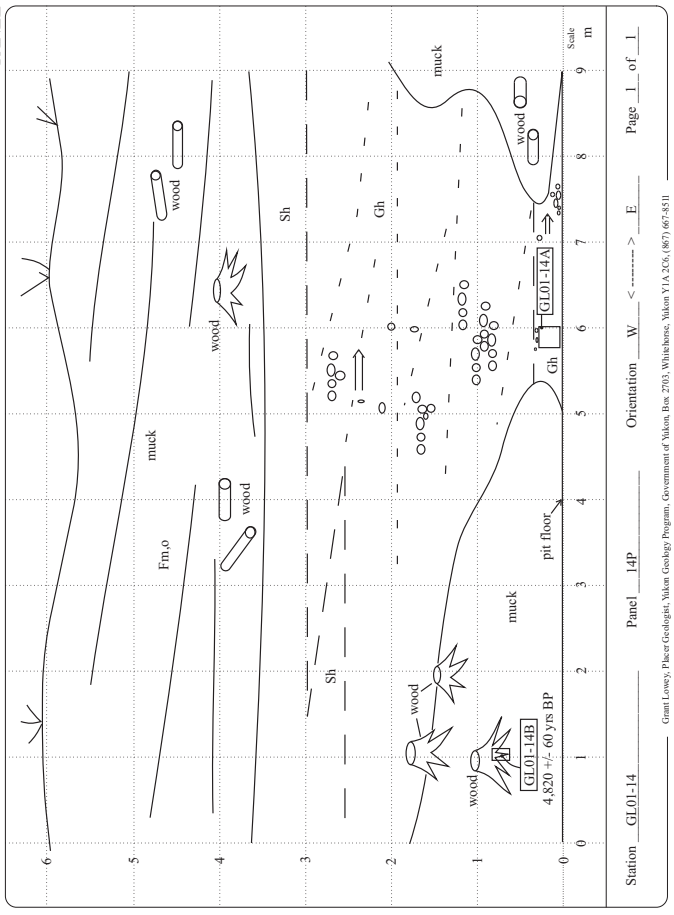

SECTION
Station GL01-13
Section GL01-13S
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fluvial
Gh/Sh
GB
Fl
SB
Gh
sandy coarse pebble gravel
poor AtBi
sandy very coarse pebble gravel
med brown
minor limonite
a few bones in muck
GL01-13A
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition


STATION
NTS/Map 115 O/14
Grand Forks
Creek/River Quartz Creek
Tributary to Indian River
Lat/Long 63 50 20
139 00 40
Owner/Operator Ken Tatlow
Other
Stratigraphy/Age Pleistocene-Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Creek gravel
Bedrock Not exposed
Alteration
SITE PLAN
Station GL01-13
Date June 12/ 2001
Section GL01-13S
Panel GL01-13P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Panel
Section
Quartz Creek
Road
NORTH


PANEL
Station GL01-13
Panel GL01-13P
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
present creek level
GL01-13A
wood
Wood
Fl
Gh
Sp
covered
Scale m


SECTION
Station GL01-14
Section GL-01-14S
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (features, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Fm,o
Muck
Sh
OF
Gh
GB
Fluvial
sandy fine pebble gravel
medium pebble gravel
AtBi
minor limonite
light to med. brown
same
GL01-14A

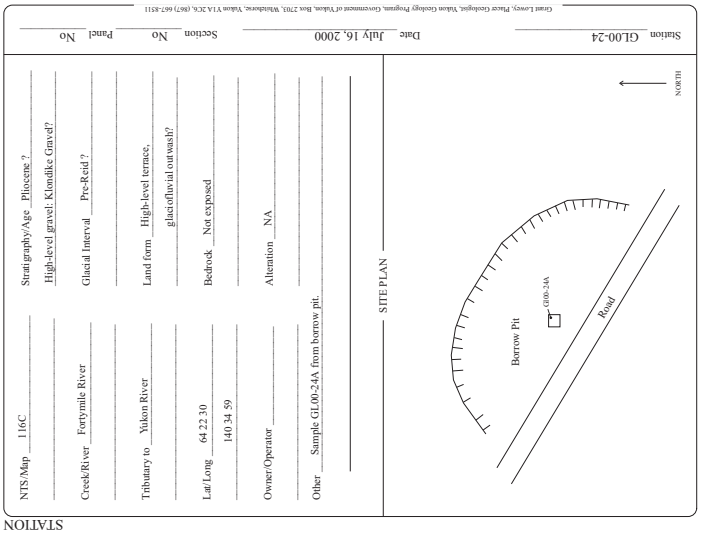

STATION
Station GL01-14
Date June 12, 2001
Section GL01-14S
Panel GL01-14P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/14
Grand Forks
Creek/River Little Blanche Creek
(southernmost Fork)
Tributary to Quartz Creek
Lat/Long 63 50 30
139 05 30
Owner/Operator
Other Pleistocene bones in muck, section frozen.
bedrock irregular (reefs).
Stratigraphy/Age Pleistocene-Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Creek gravel, floodplain
Bedrock Muscovite-chlorite schist
Alteration
SITE PLAN
road
Section
Panel
Little Blanche Creek
NORTH


PANEL
Station GL01-14
Panel 14P
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
Fm,o
muck
wood
Sh
Gh
GL01-14B
4,820 +/- 60 yrs BP
pit floor
GL01-14A

Appendix 9

Station descriptions, Sixty Mile River drainage

GL00-24 201
GL98-10 201
GL01-25 202
GL99-19 203
GL99-20 204
GL99-25 205
GL99-33 206
GL99-34 207
GL99-36 207
GL99-50 208
GL99-52 208
GL99-56 209
GL99-54 209
GL99-57 210
GL00-07 211
GL00-39 212
GL00-41 213
GL01-29 214
GL99-53 215
GL99-17 216
GL99-18 216
GL99-26 217
GL99-28 218
GL99-29 219
GL99-30 220
GL99-35 220
GL99-62 221
GL99-55 221
GL00-08 222
GL00-42 223
GL01-11 223


STATION
NTS/Map 116C
Stratigraphy/Age Pliocene ?
High-level gravel; Klondike Gravel?
Creek/River Fortymile River
Glacial Interval Pre-Reid ?
Tributary to Yukon River
Land form High-level terrace, glacial/fluvial outwash?
Lat/ Long 64 22 30
140 34 59
Bedrock Not exposed
Owner/Operator
Alteration NA
Other Sample GL00-24A from borrow pit.
SITE PLAN
Borrow Pit
GL00-24A
Road
NORTH
Station GL00-24
Date July 16, 2000
Section No
Panel No
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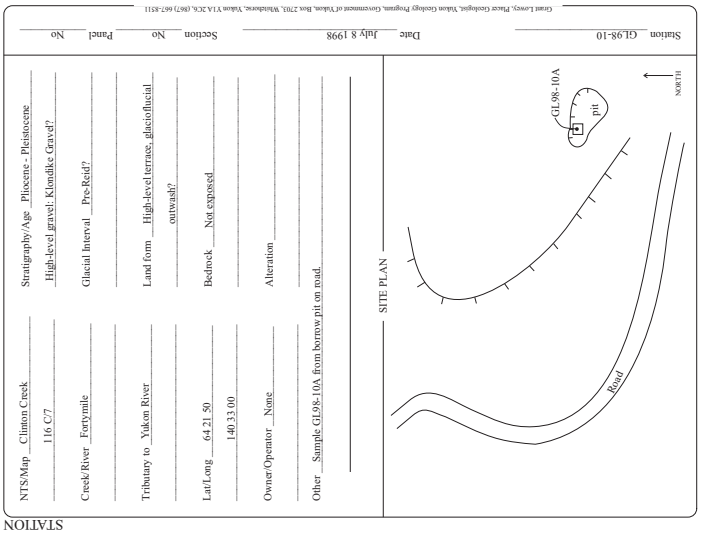
STATION
NTS/Map Clinton Creek
116 C/7
Stratigraphy/Age Pliocene - Pleistocene
High-level gravel; Klondike Gravel?
Creek/River Fortymile
Glacial Interval Pre-Reid?
Tributary to Yukon River
Land form High-level terrace, glaciofluvial outwash?
Lat/Long 64 21 50
140 33 00
Bedrock Not exposed
Owner/Operator None
Alteration
Other Sample GL98-10A from borrow pit on road.
SITE PLAN
GL98-10A
pit
Road
NORTH
Station GL98-10
Date July 8 1998
Section No
Panel No
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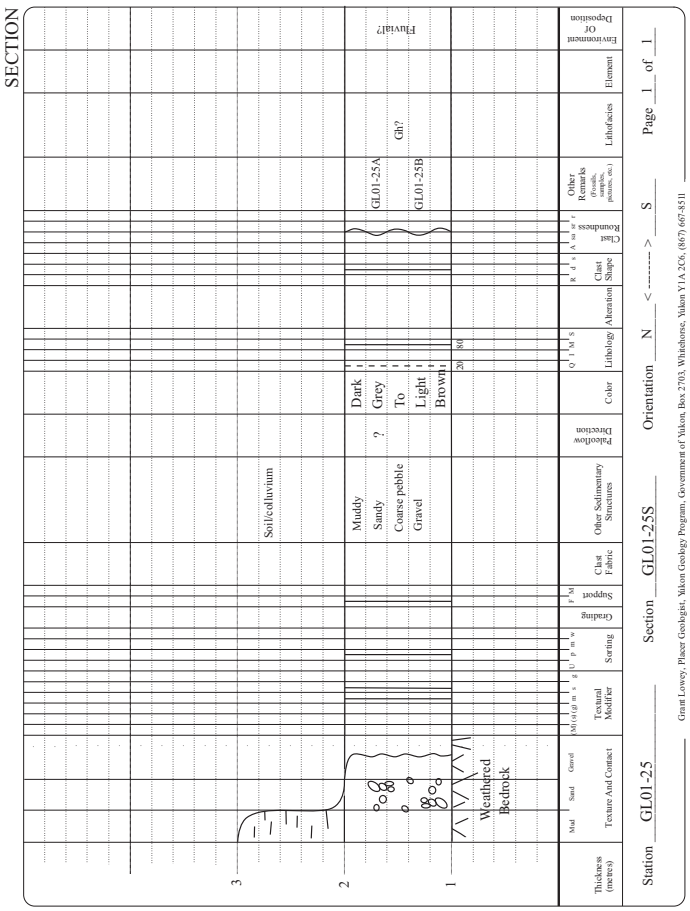
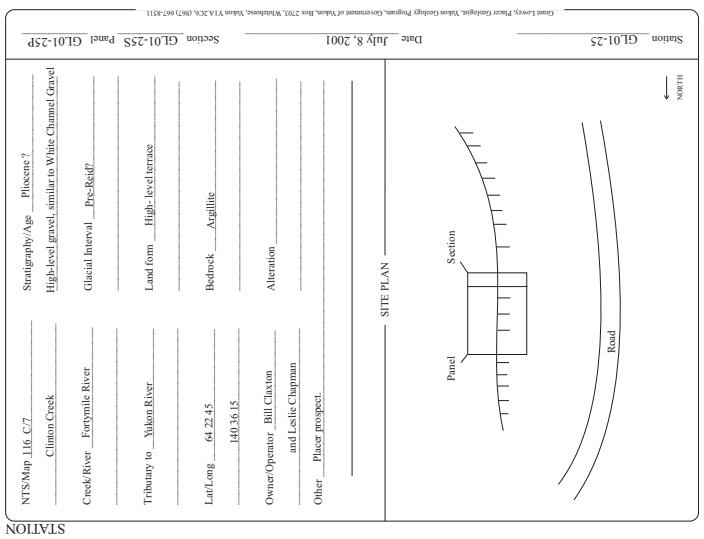
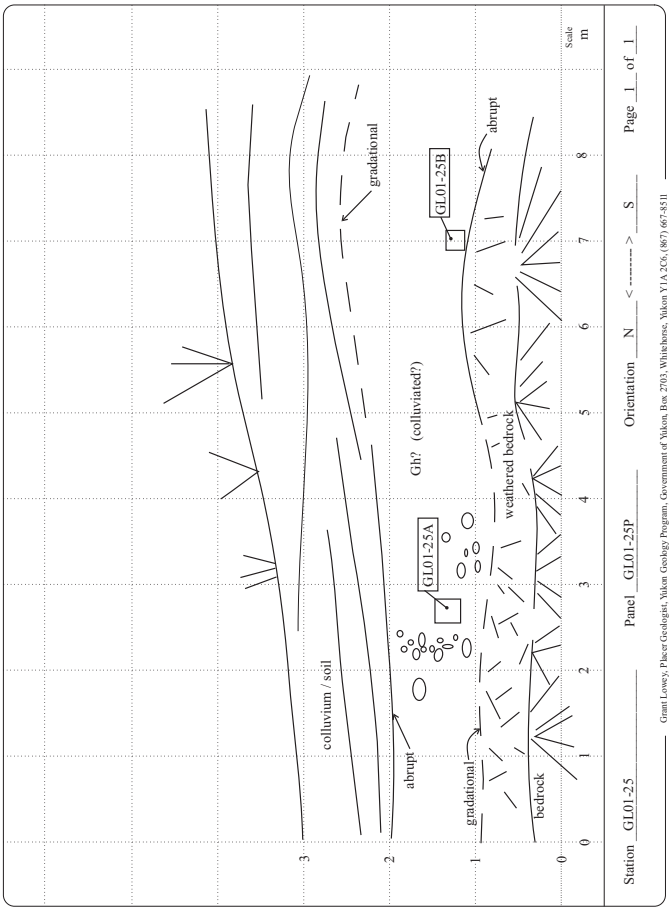
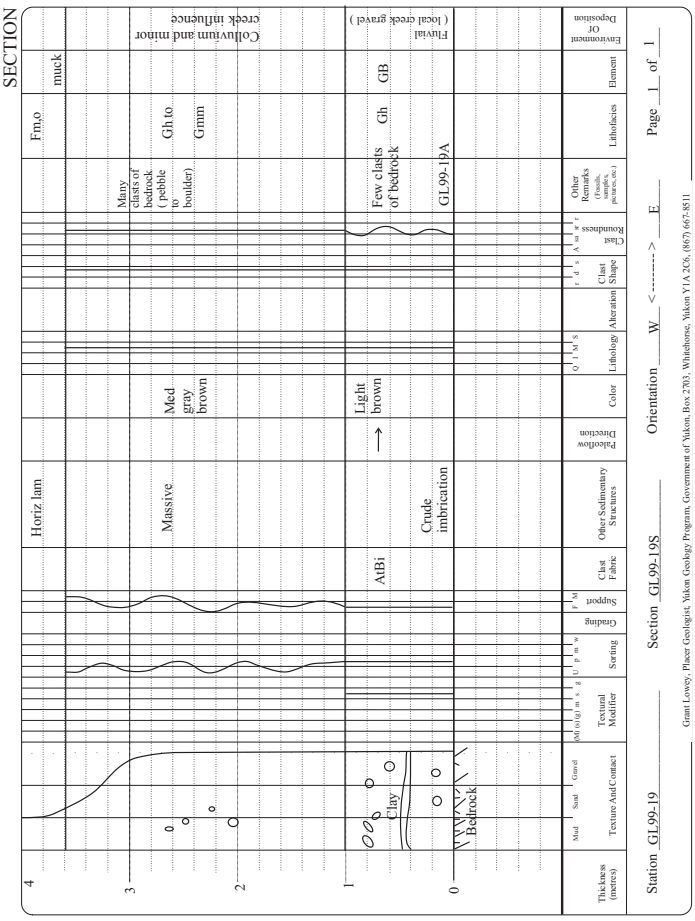
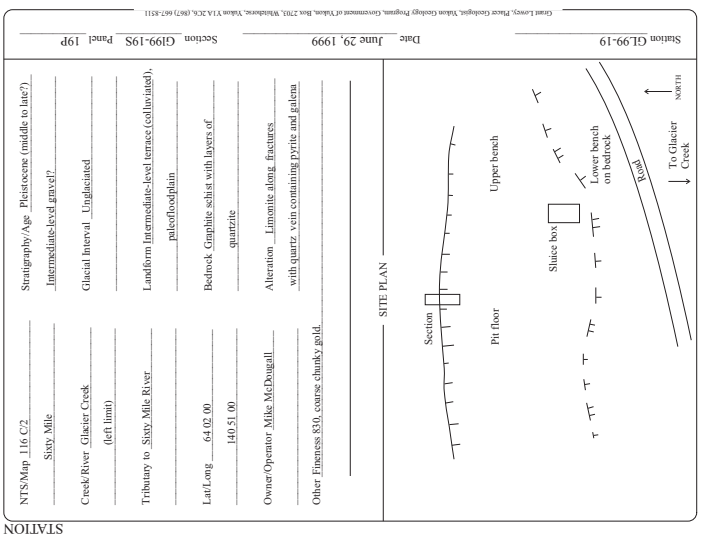
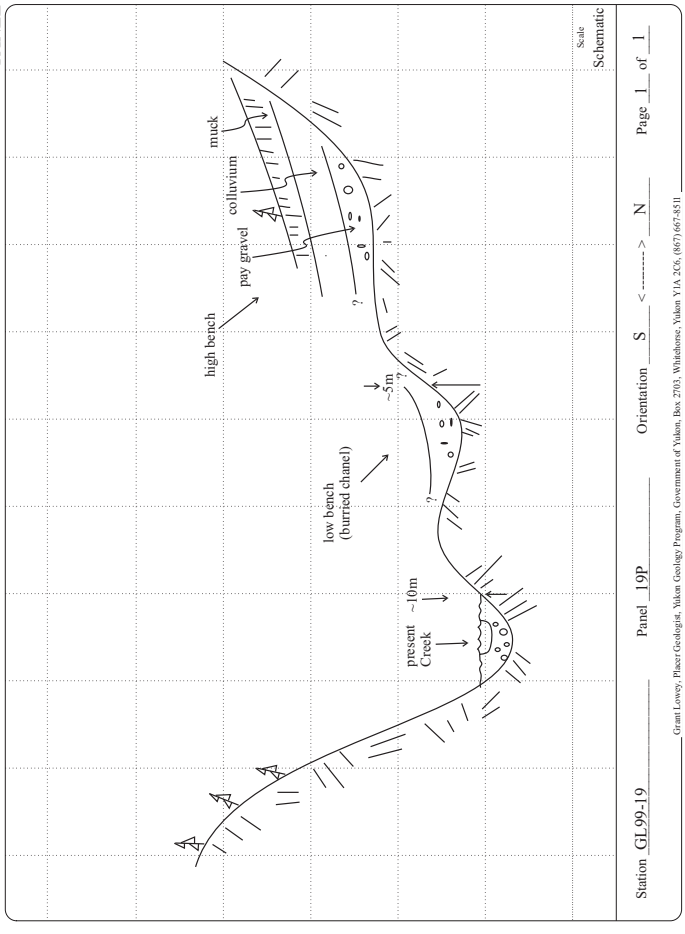

SECTION
Station GL01-25
Section GL01-25S
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (inches)
Texture And Contact
Textural Modifier
Sorting
Grading
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (GPS#'s, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Muddy
Sandy
Coarse pebble
Gravel
Dark Grey To Light Brown
Soil/colluvium
Weathered Bedrock
GL01-25A
GL01-25B
Gh?
Fluvial?

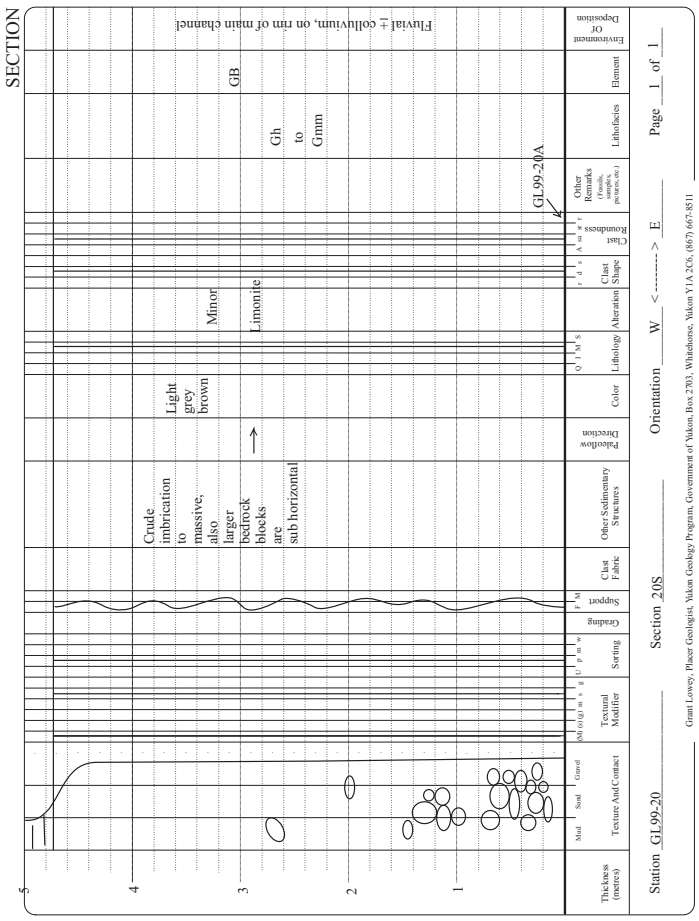

STATION
SITE PLAN
Station GL01-25
Date July 8, 2001
Section GL01-25S
Panel GL01-25P
NTS/Map 116 C/7
Stratigraphy/Age Pliocene?
Clinton Creek
High-level gravel, similar to White Channel Gravel
Creek/River Fortymile River
Glacial Interval Pre-Reid?
Tributary to Yukon River
Land form High-level terrace
Lat/Long 64 22 45
140 36 15
Bedrock Argillite
Owner/Operator Bill Clacton
and Leslie Chapman
Alteration
Other Placer prospect.
Panel
Section
Road
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

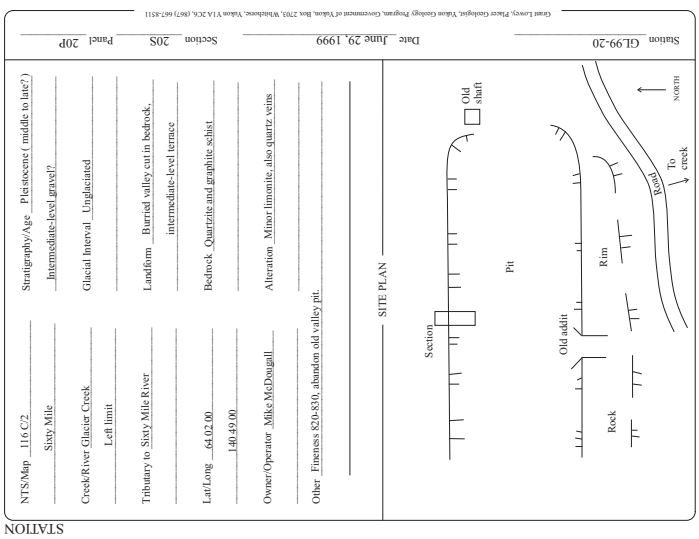

PANEL
Station GL01-25
Panel GL01-25P
Orientation N < ------- > S
Page 1 of 1
Scale m
colluvium / soil
gradational
GL01-25B
abrupt
Gh? (colluviated?)
GL01-25A
weathered bedrock
abrupt
gradational
bedrock
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

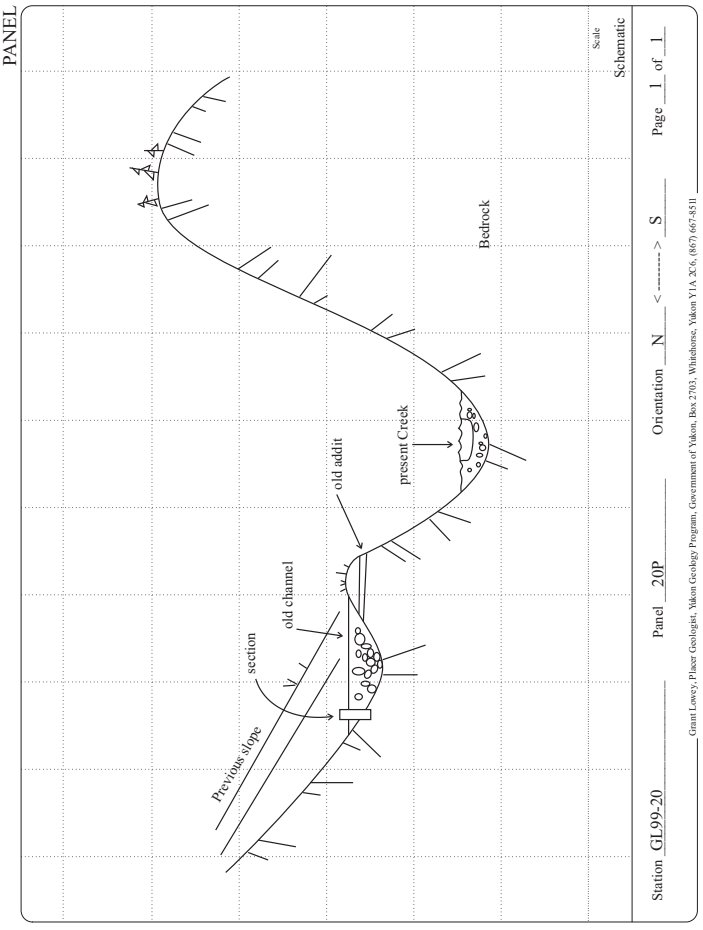

SECTION
Station GL99-19
Section GL99-19S
Orientation W <-------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc)
Lithofacies
Element
Environment Of Deposition
Mud
Sand
Gravel
Horiz lam
Massive
Med gray brown
Light brown
AtBi
Crude imbrication
Clay
Bedrock
Many clasts of bedrock (pebble to boulder)
Few clasts of bedrock
Fm,o
muck
Gh to. Gmm
Gh
GB
GL99-19A
Colluvium and minor creek influence
Fluvial (local creek gravel)

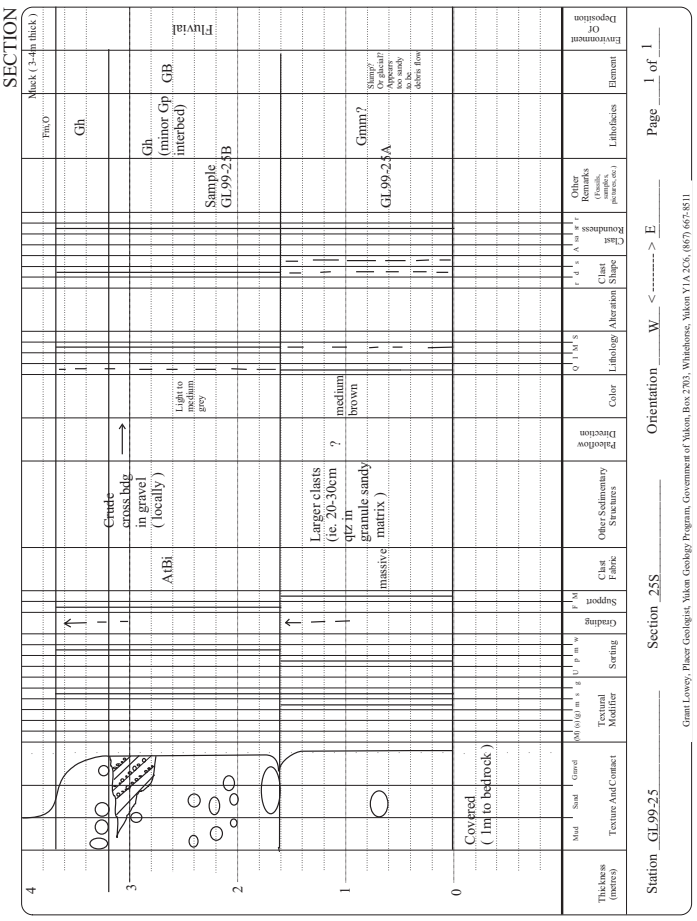

STATION
NTS/Map 116 C/2
Stratigraphy/Age Pleistocene (middle to late?)
Sixty Mile
Intermediate-level gravel?
Creek/River Glacier Creek
Glacial Interval Unglaciated
(left limit)
Tributary to Sixty Mile River
Landform Intermediate-level terrace (colluviated), paleofloodplain
Lat/Long 64 02 00
140 51 00
Bedrock Graphite schist with layers of quartzite
Alteration Limonite along fractures
with quartz vein containing pyrite and galena
Owner/Operator Mike McDougall
Other Fineness 830, coarse chunky gold.
SITE PLAN
Section
Pit floor
Upper bench
Sluice box
Lower bench on bedrock
Road
To Glacier Creek
NORTH
Station GL99-19
Date June 29, 1999
Section GL99-19S
Panel 19P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

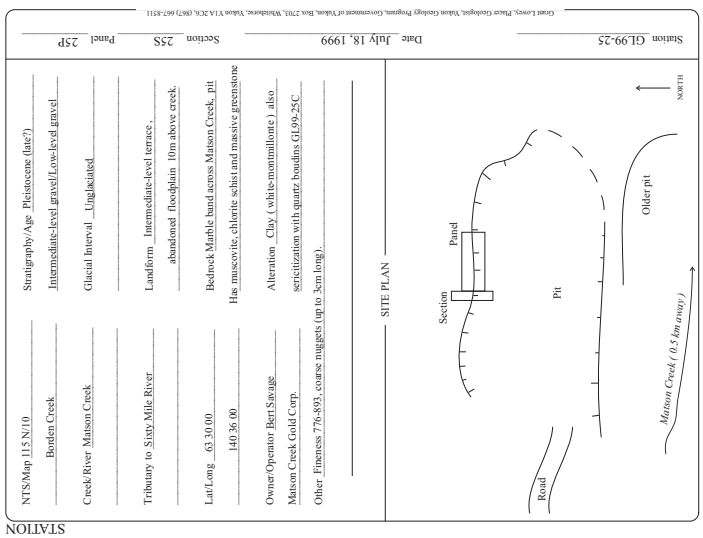

PANEL
muck
colluvium
pay gravel
high bench
low bench (burried chanel)
present Creek
~10m
~5m
Scale
Schematic
Station GL99-19
Panel 19P
Orientation S <-------> N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

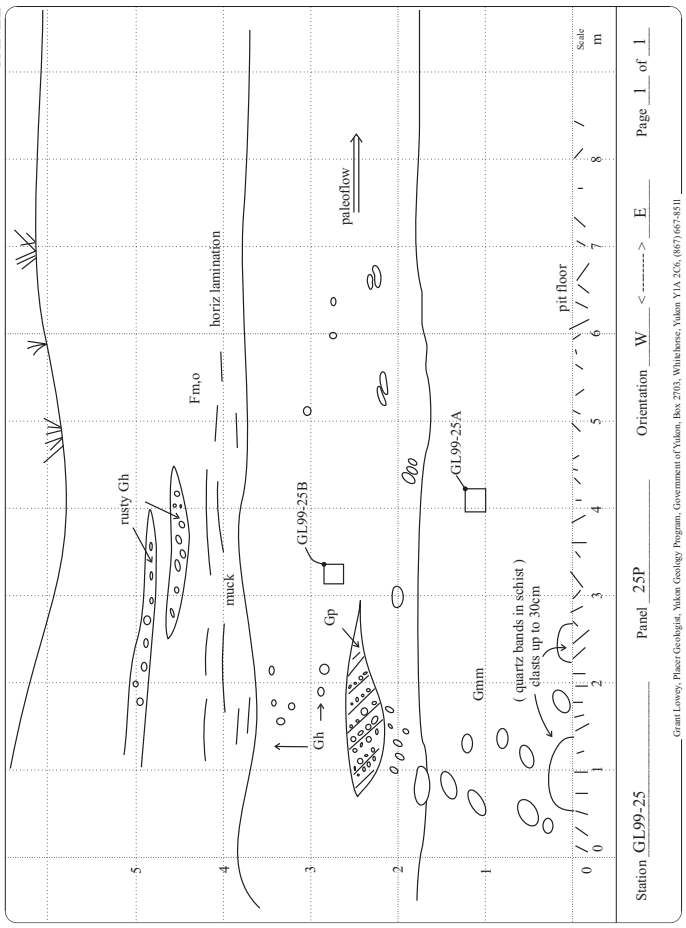

SECTION
Station GL99-20
Section 20S
Orientation W < -------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fluvial +/- colluvium, on rim of main channel
Crude imbrication to massive, also larger bedrock blocks are sub horizontal
Light grey brown
Minor
Limonite
Gh to Gmm
GB
GL99-20A
Thickness (inches)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Grading
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (Fossils, samples, pictures, etc)
Lithofacies
Element
Environment Of Deposition

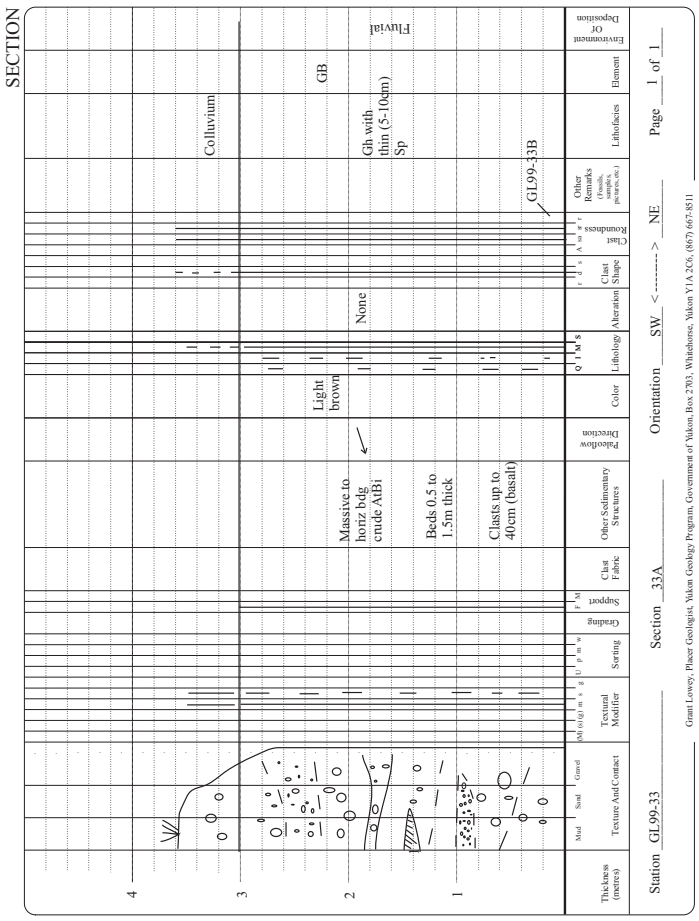

STATION
NTS/Map 116 C/2
Sixty Mile
Creek/River Glacier Creek
Left limit
Tributary to Sixty Mile River
Lat/Long 64 02 00
140 49 00
Owner/Operator Mike McDougall
Other Fineness 820-830, abandon old valley pit.
Stratigraphy/Age Pleistocene (middle to late?)
Intermediate-level gravel?
Glacial Interval Unglaciated
Landform Buried valley cut in bedrock,
intermediate-level terrace
Bedrock Quartzite and graphite schist
Alteration Minor limonite, also quartz veins
SITE PLAN
Section
Old shaft
Pit
Old addit
Rock
Rim
Road
To creek
NORTH
Station GL99-20
Date June 29, 1999
Section 20S
Panel 20P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

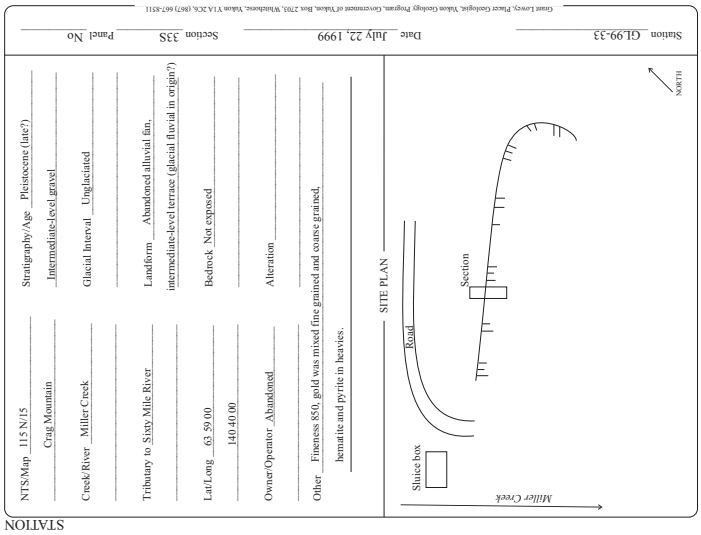

PANEL
Previous slope
section
old channel
old addit
present Creek
Bedrock
Scale
Schematic
Station GL99-20
Panel 20P
Orientation N < -------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

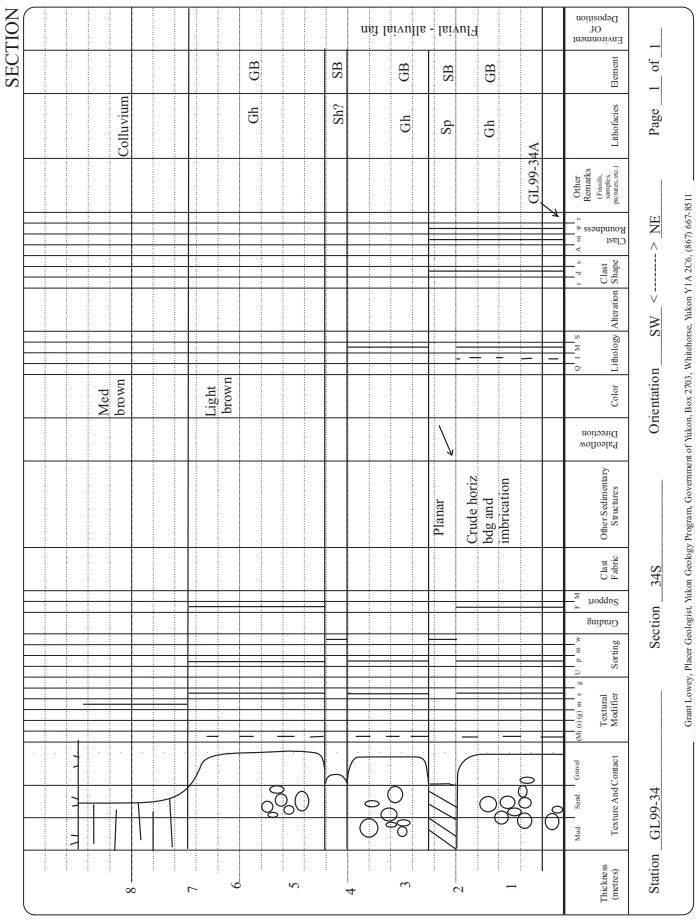

SECTION
Muck (3-4m thick)
Fm,O
Gh
Crude cross.bdg in gravel (locally)
AtBi
Light to medium grey
Gh (minor Gp interbed)
GB
Fluvial
Sample GL99-25B
Larger clasts (ie. 20-30cm qtz in granule sandy matrix)
massive
?
medium brown
Gmm?
GL99-25A
Slump? Or glacial? Appears too sandy for a debris flow
Covered (1m to bedrock)
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (Fossils, samples, pictures, etc)
Lithofacies
Element
Environment Of Deposition
Station GL99-25
Section 25S
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

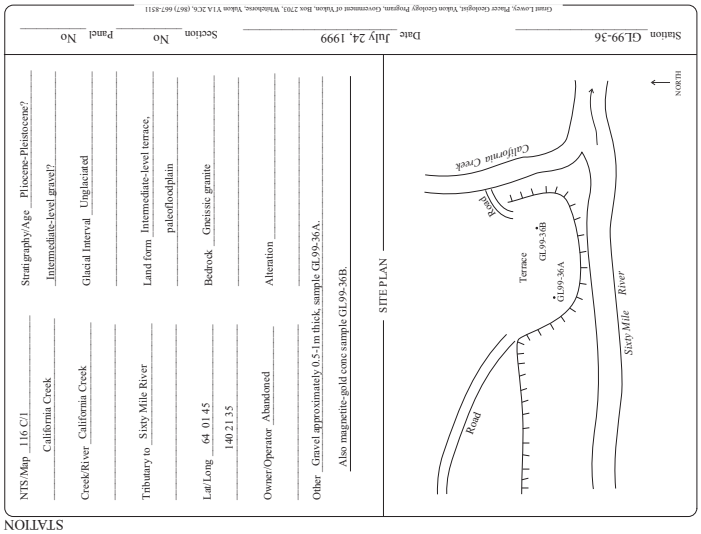

STATION
NTS/Map 115 N/10
Boulder Creek
Creek/River Matson Creek
Tributary to Sixty Mile River
Lat/Long 63 30 00
140 36 00
Stratigraphy/Age Pleistocene (late?)
Intermediate-level gravel/Low-level gravel
Glacial Interval Unglaciated
Landform Intermediate-level terrace , abandoned floodplain 10m above creek.
Bedrock Marble band across Matson Creek, pit
Hn, muscovite, chlorite schist and massive greenstone
Owner/Operator Bert Savage
Matson Creek Gold Corp.
Alteration Clay (white-montmillonite), also sericitization with quartz boudins GL99-25C
Other Fineness 776-893, coarse nuggets (up to 3cm long).
SITE PLAN
Section
Panel
Pit
Older pit
Road
Matson Creek (0.5 km away)
NORTH
Station GL99-25
Date July 18, 1999
Section 25S
Panel 25P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

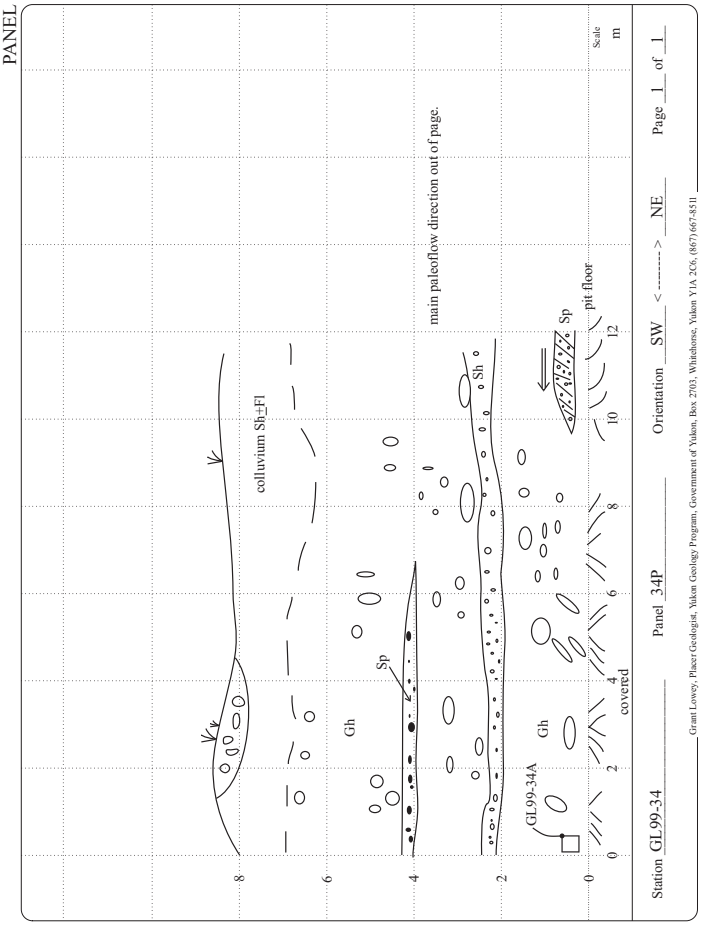

PANEL
rusty Gh
Fm,o
horiz lamination
muck
GL99-25B
Gp
Gh
paleoflow
GL99-25A
pit floor
Gmm
(quartz bands in schist) clasts up to 30cm
Scale m
Station GL99-25
Panel 25P
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

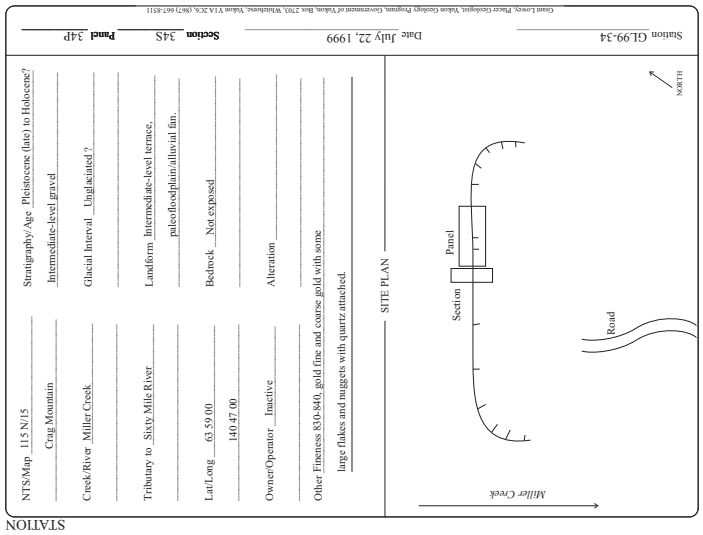

SECTION
Station GL99-33
Section 33A
Orientation SW < -------- > NE
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Colluvium
Fluvial
GB
Gh with thin (5-10cm) Sp
None
Light brown
Massive to horiz bdg crude AtBi
Beds 0.5 to 1.5m thick
Clasts up to 40cm (basalt)
GL99-33B

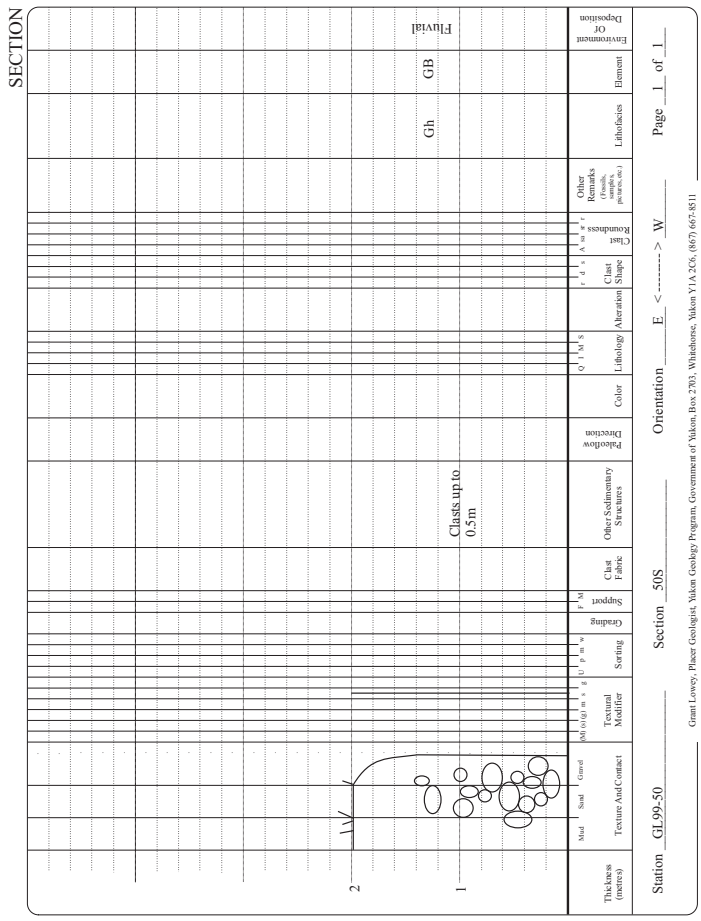

STATION
NTS/Map 115 N/15
Stratigraphy/Age Pleistocene (late?)
Crag Mountain
Intermediate-level gravel
Creek/River Miller Creek
Glacial Interval Unglaciated
Tributary to Sixty Mile River
Landform Abandoned alluvial fan.
intermediate-level terrace (glacial fluvial in origin?)
Lat/Long 63 59 00
140 40 00
Bedrock Not exposed
Owner/Operator Abandoned
Alteration
Other Fineness 850, gold was mixed fine grained and coarse grained.
hematite and pyrite in heavies.
SITE PLAN
Road
Section
Miller Creek
Sluice box
NORTH
Station GL99-33
Date July 22, 1999
Section 33S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

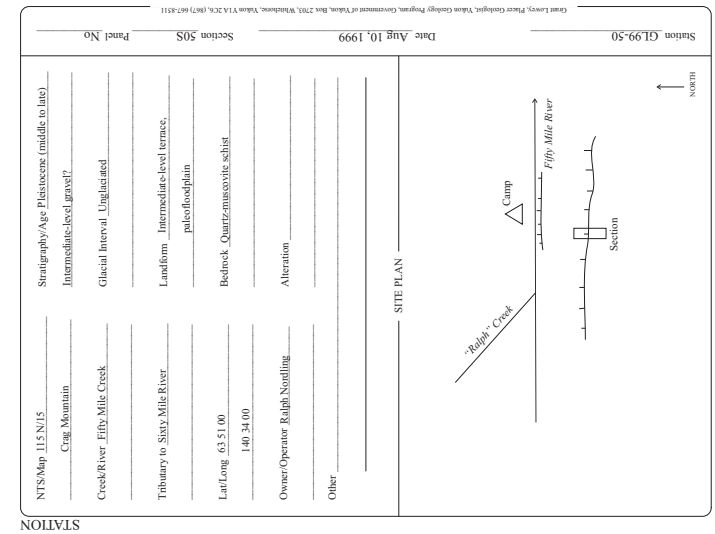

SECTION
Station GL99-34
Section 34S
Orientation SW < -------- > NE
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleocurrent Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Colluvium
Fluvial - alluvial fan
Med brown
Light brown
Planar
Crude horiz bdg and imbrication
GL99-34A
Sh?
Gh
Sp
GB
SB


STATION
NTS/Map 116 C/1
Creek/River California Creek
Tributary to Sixty Mile River
Lat/Long 64 01 45
140 21 35
Owner/Operator Abandoned
Stratigraphy/Age Pliocene-Pleistocene?
Intermediate-level gravel?
Glacial Interval Unglaciated
Land form Intermediate-level terrace, paleofloodplain
Bedrock Gneissic granite
Alteration
Other Gravel approximately 0.5-1 m thick, sample GL99-36A.
Also magnetite-gold conc sample GL99-36B.
SITE PLAN
California Creek
Road
Terrace
GL99-36B
GL99-36A
Sixty Mile River
NORTH
Station GL99-36
Date July 24, 1999
Section No
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
Station GL99-34
Panel 34P
Orientation SW < -------- > NE
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
colluvium Sh-Fl
main paleoflow direction out of page.
pit floor
covered
Gh
Sp
Sh
GL99-34A
Scale m


STATION
NTS/Map 115 N/15
Creek/River Miller Creek
Tributary to Sixty Mile River
Lat/Long 63 59 00
140 47 00
Owner/Operator Inactive
Stratigraphy/Age Pleistocene (late) to Holocene?
Intermediate-level gravel
Glacial Interval Unglaciated ?
Landform Intermediate-level terrace, paleofloodplain/alluvial fan.
Bedrock Not exposed
Alteration
Other Fineness 830-840, gold fine and coarse, gold with some large flakes and nuggets with quartz attached.
SITE PLAN
Miller Creek
Section
Panel
Road
NORTH
Station GL99-34
Date July 22, 1999
Section 34S
Panel 34P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Fluvial
Gh
GB
Clasts up to 0.5m
Station GL99-50
Section 50S
Orientation E <-------> W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 N/15
Crag Mountain
Creek/River Fifty Mile Creek
Tributary to Sixty Mile River
Lat/Long 63 51 00
140 34 00
Owner/Operator Ralph Nordling
Other
Stratigraphy/Age Pleistocene (middle to late)
Intermediate-level gravel?
Glacial Interval Unglaciated
Landform Intermediate-level terrace, paleofloodplain
Bedrock Quartz-muscovite schist
Alteration
SITE PLAN
"Ralph" Creek
Camp
Fifty Mile River
Section
NORTH
Station GL99-50
Date Aug 10, 1999
Section 50S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION
Fluvial
Gh
Station GL99-52
Section 52S
Orientation W <-------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION
NTS/Map 115 N/15
Crag Mountain
Creek/River Fifty Mile Creek
Tributary to Sixty Mile River
Lat/Long 63 51 00
140 33 00
Owner/Operator Ralph Nordling
Al Rudis (prospect)
Other
Stratigraphy/Age Pleistocene (middle to late)
Intermediate-level gravel
Glacial Interval Unglaciated
Landform Low-level terrace (1.5m above creek) paleofloodplain
Bedrock Quartz-muscovite schist
Alteration
SITE PLAN
"Ralph" Creek
Fifty Mile River
Section
NORTH
Station GL99-52
Date Aug 11, 1999
Section 52S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 N/15 — Stratigraphy/Age Pleistocene

Crag Mountian — Intermediate-level gravel

Creek/River 'Al' Creek — Glacial Interval Unglaciated

Tributary to Fiftymile Creek — Land form Intermediate-level terrace, paleofloodplain

Lat/Long 63 50 12 / 140 32 12 — Bedrock Gneiss

Owner/Operator NA — Alteration NA

Other 1 - 2m boulder gravel.

SITE PLAN

NORTH

Station GL99-54 — Section No — Panel No — Date Aug 11, 1999

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 N/16 — Stratigraphy/Age Pleistocene (late?) to Holocene

Enchantment Creek — Intermediate-level gravel?

Creek/River "Cheryl" Creek — Glacial Interval Unglaciated

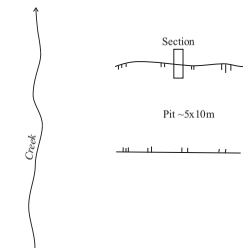
Tributary to Fifty Mile Creek — Landform Low-level terrace on bedrock

Lat/Long 63 51 00 / 140 29 00 — Bedrock Amphibolite, GL99-56A

Owner/Operator — Alteration None

Other Terrace 3m above creek on bedrock.

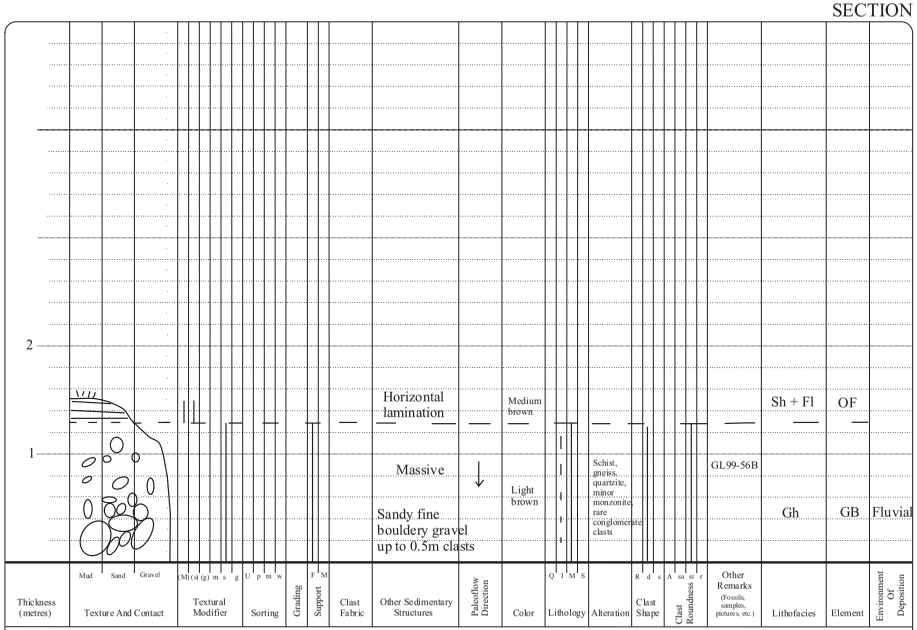
SITE PLAN



Station GL99-56 — Section 56S — Panel No — Date Aug 12, 1999

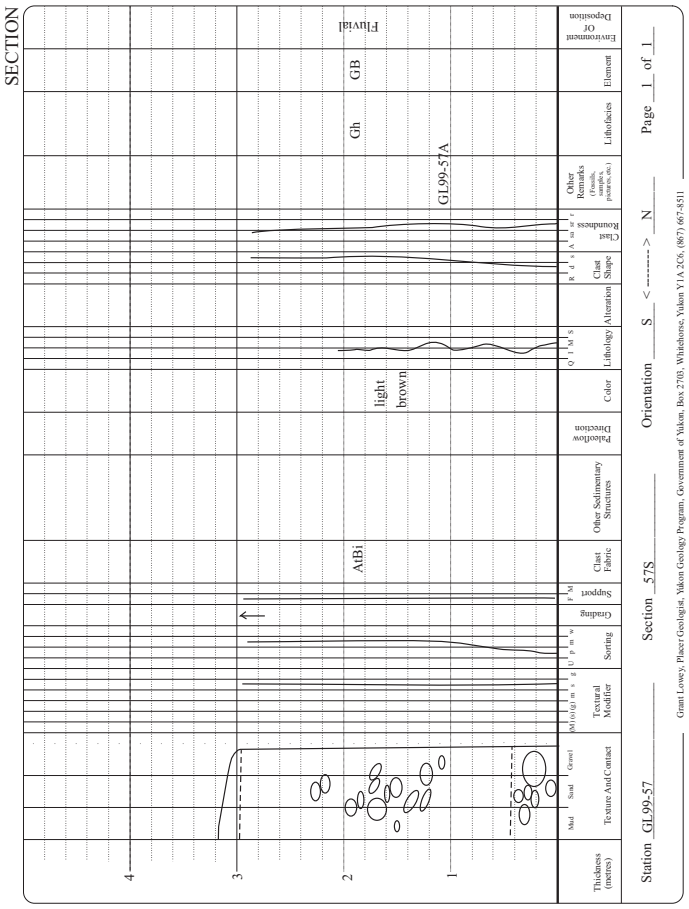
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

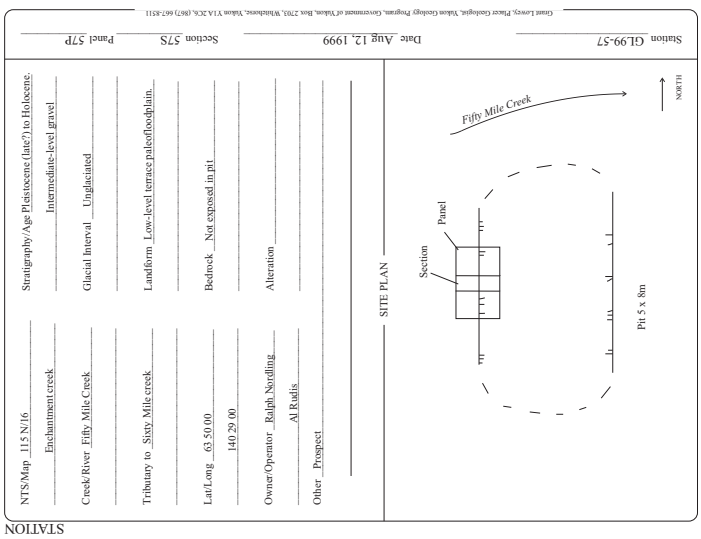
SECTION

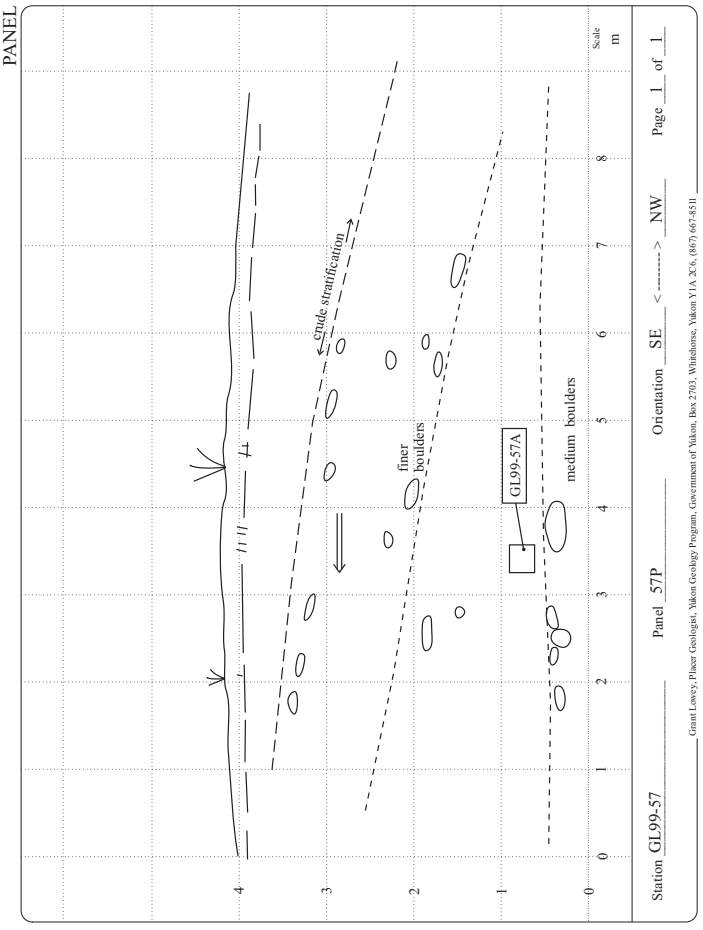


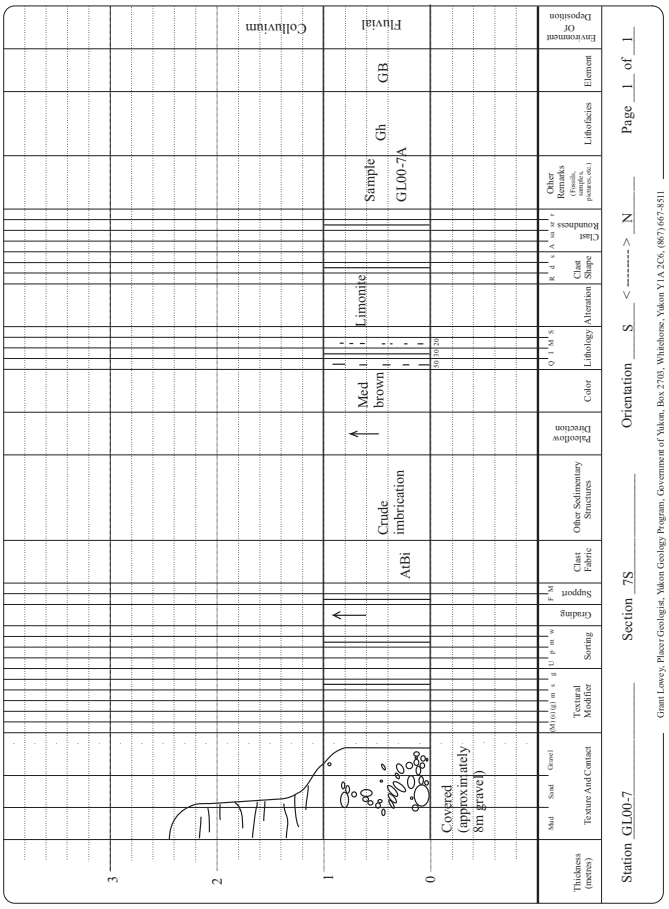
Station GL99-56 — Section 56S — Orientation E <--------> W — Page 1 of 1

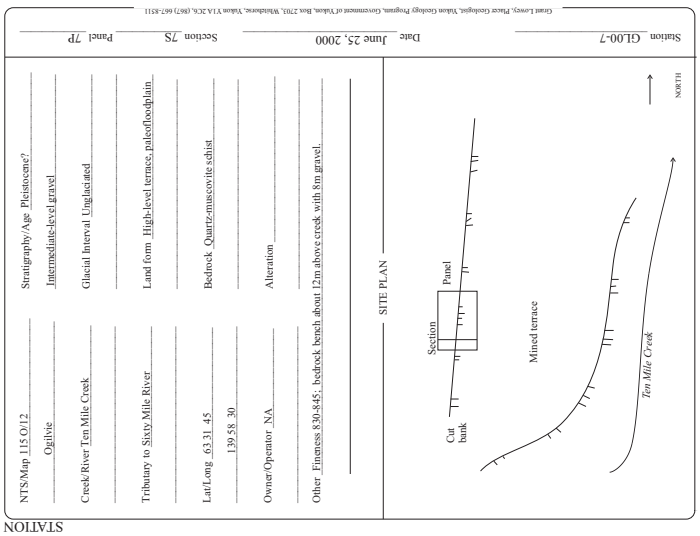
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

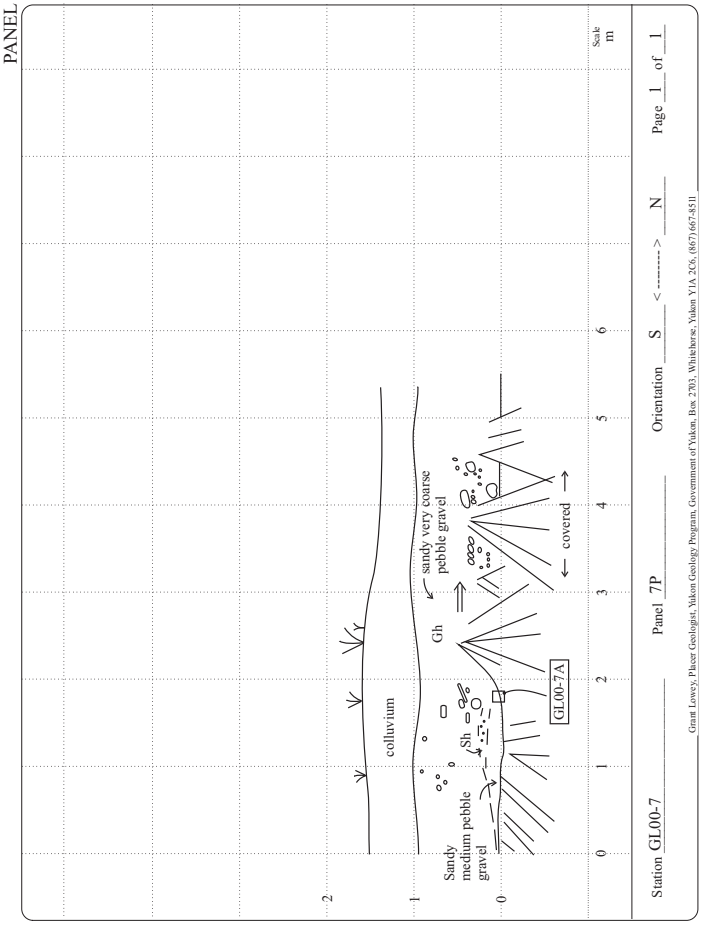

SECTION
Station GL99-57
Section 57S
Orientation S < ------ > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast Size
Other Remarks (structures, samples, features, etc)
Lithofacies
Element
Environment Of Deposition
GL99-57A
Gh
GB
AtBi
light brown
Fluvial

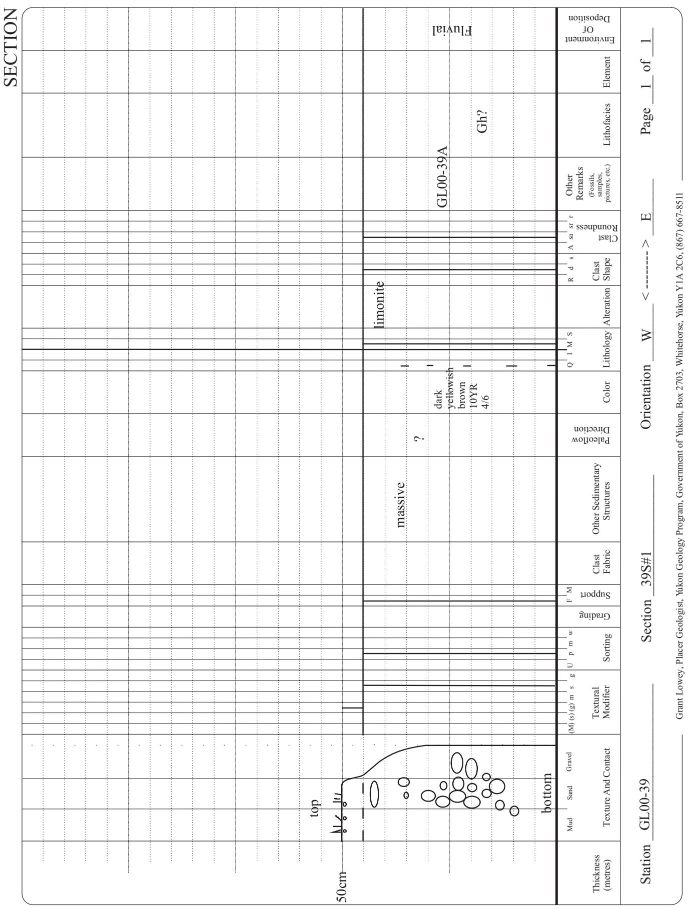

STATION
NTS/Map 115 N/16
Enchantment creek
Creek/River Fifty Mile Creek
Tributary to Sixty Mile creek
Lat/Long 63 50 00
140 29 00
Owner/Operator Ralph Nordling
Al Rudis
Other Prospect
Stratigraphy/Age Pleistocene (late?) to Holocene
Intermediate-level gravel
Glacial Interval Unglaciated
Landform Low-level terrace paleofloodplain
Bedrock Not exposed in pit
Alteration
SITE PLAN
Fifty Mile Creek
Panel
Section
Pit 5 x 8m
NORTH
Station GL99-57
Date Aug 12, 1999
Section 57S
Panel 57P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

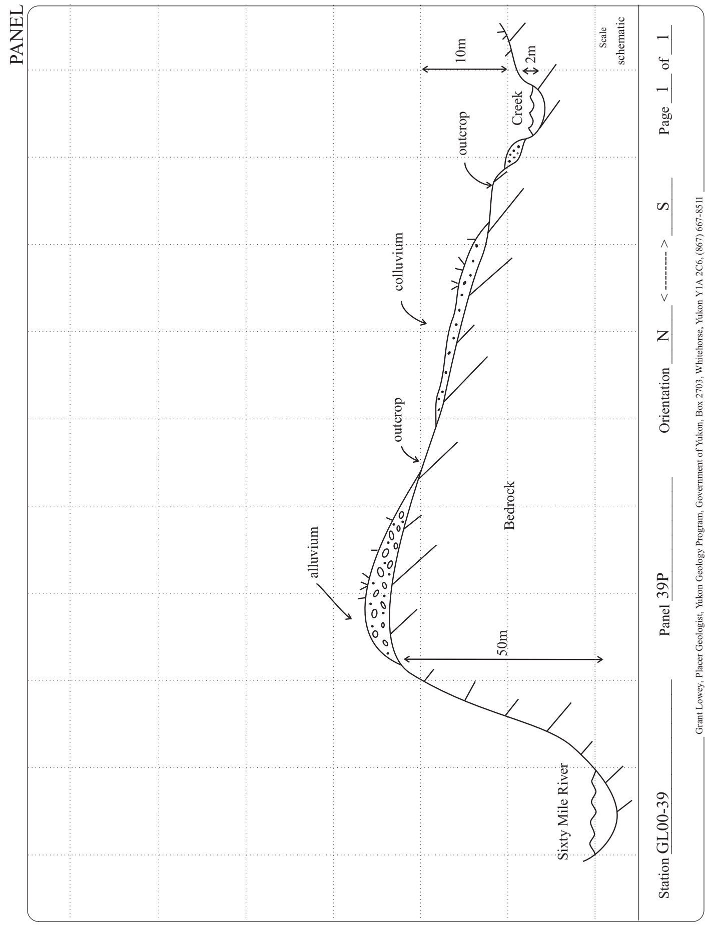

PANEL
Station GL99-57
Panel 57P
Orientation SE < ------ > NW
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
crude stratification
finer boulders
medium boulders
GL99-57A
Scale m

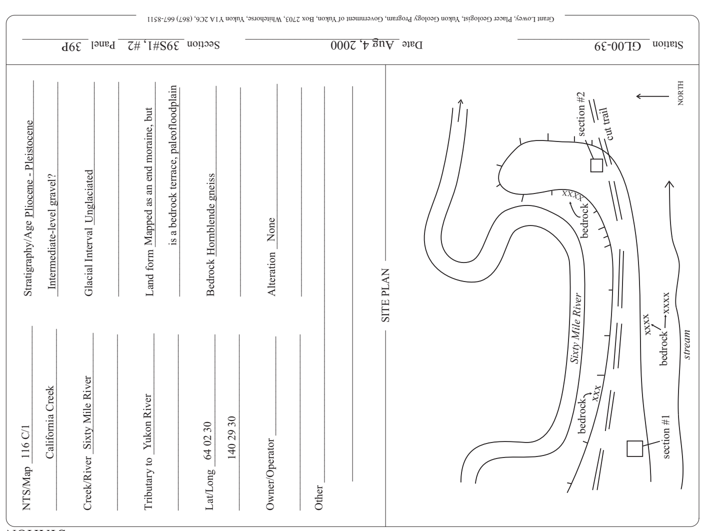

SECTION
Colluvium
Fluvial
Sample GL00-7A
Gh
GB
Limonite
Med brown
Crude imbrication
AtBi
Covered (approximately 8m gravel)
Station GL00-7
Section 7S
Orientation S < ------ > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

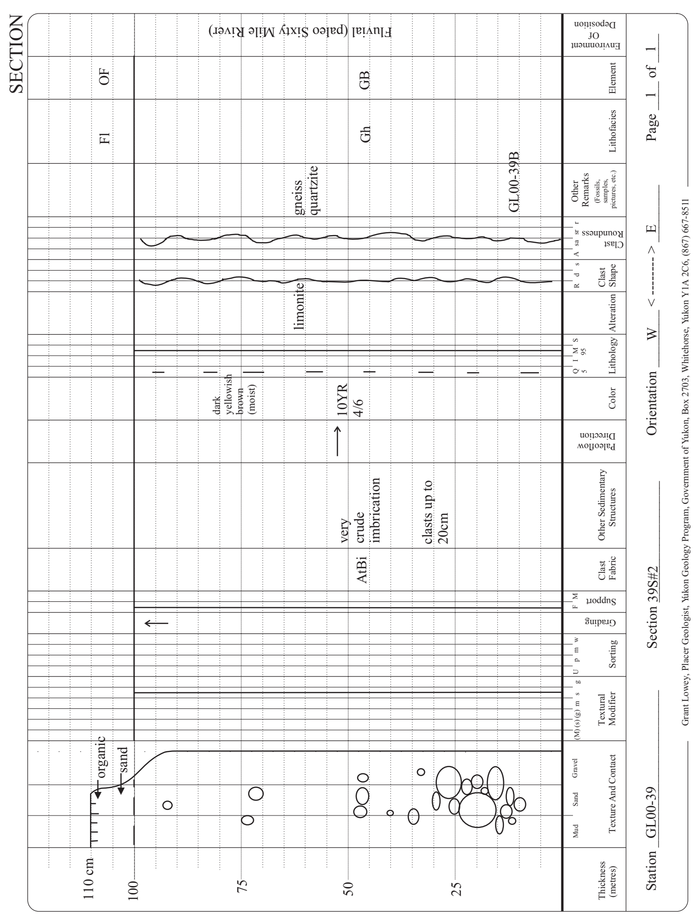

STATION
NTS/Map 115 O/12
Stratigraphy/Age Pleistocene?
Ogilvie
Intermediate-level gravel
Creek/River Ten Mile Creek
Glacial Interval Unglaciated
Tributary to Sixty Mile River
Land form High-level terrace, paleofloodplain
Lat/Long 63 31 45
139 58 30
Bedrock Quartz-muscovite schist
Owner/Operator NA
Alteration
Other Finances 830-845; bedrock bench about 12m above creek with 8m gravel.
SITE PLAN
Section
Panel
Cut bank
Mined terrace
Ten Mile Creek
NORTH
Station GL00-7
Date June 25, 2000
Section 7S
Panel 7P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

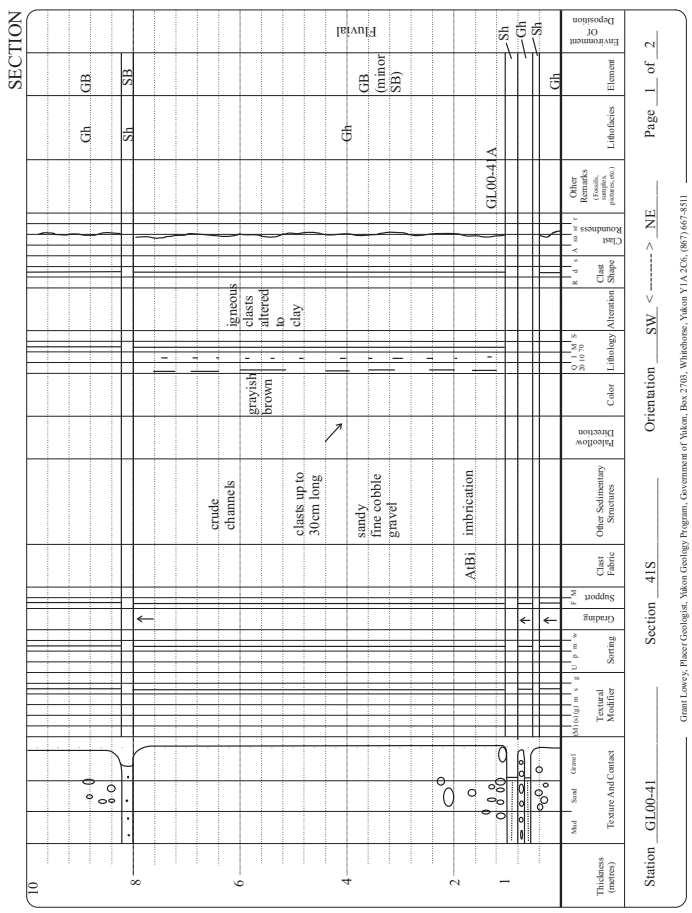

PANEL
colluvium
Gh
sandy very coarse pebble gravel
Sandy medium pebble gravel
Sh
GL00-7A
covered
Scale m
Station GL00-7
Panel 7P
Orientation S < ------ > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

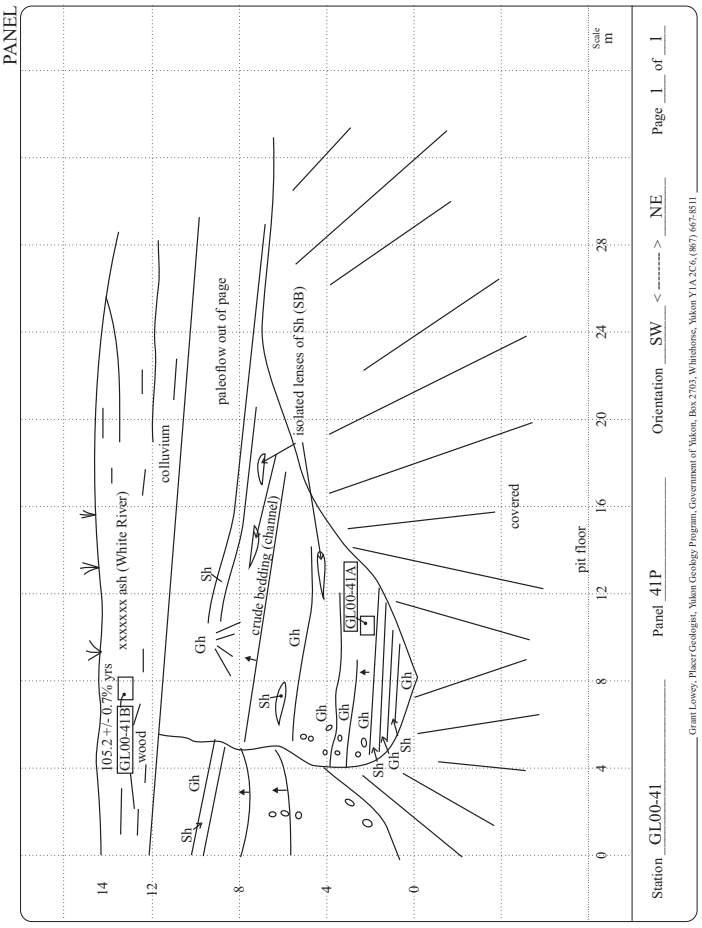

SECTION
top
bottom
50cm
massive
?
limonite
dark yellowish brown 10YR 4/6
GL00-39A
Gh?
Fluvial
Station GL00-39
Section 39S#1
Orientation W <--------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

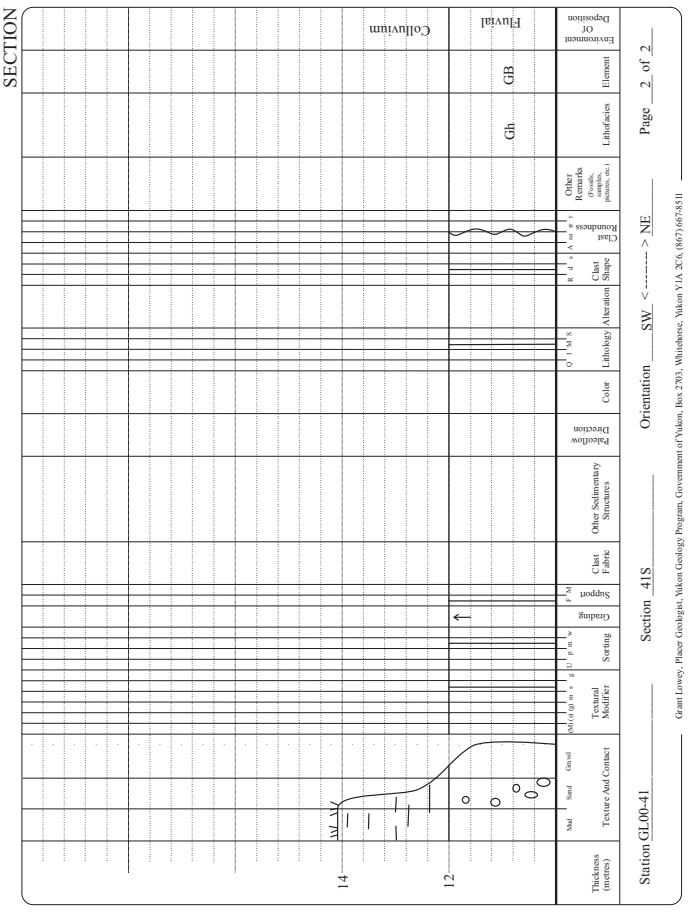

PANEL
Sixty Mile River
alluvium
50m
Bedrock
outcrop
colluvium
outcrop
Creek
10m
2m
Scale schematic
Station GL00-39
Panel 39P
Orientation N <--------> S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

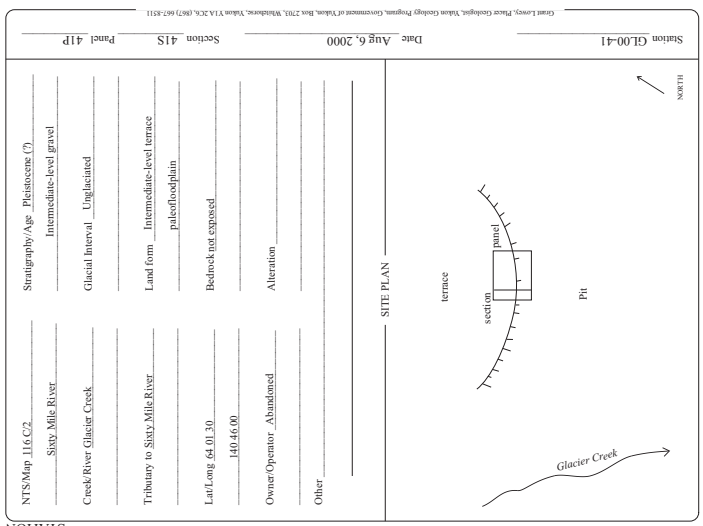

STATION
Station GL00-39
Date Aug 4, 2000
Section 39S#1, #2
Panel 39P
NTS/Map 116 C/1
California Creek
Creek/River Sixty Mile River
Tributary to Yukon River
Lat/Long 64 02 30
140 29 30
Owner/Operator
Other
Stratigraphy/Age Pliocene - Pleistocene
Intermediate-level gravel?
Glacial Interval Unglaciated
Land form Mapped as an end moraine, but is a bedrock terrace, paleofloodplain
Bedrock Hornblende gneiss
Alteration None
SITE PLAN
Sixty Mile River
bedrock
section #1
section #2
cut trail
stream
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

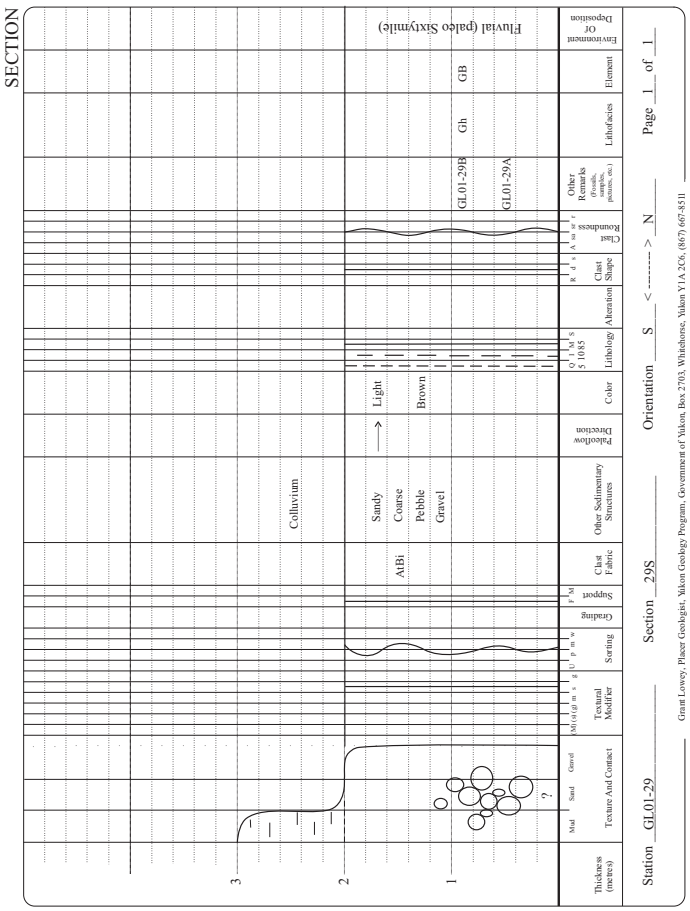

SECTION
110 cm
100
75
50
25
organic
sand
AtBi
very crude imbrication
clasts up to 20cm
dark yellowish brown (moist)
10YR 4/6
limonite
gneiss quartzite
GL00-39B
Fl
OF
Gh
GB
Fluvial (paleo Sixty Mile River)
Station GL00-39
Section 39S#2
Orientation W <--------> E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

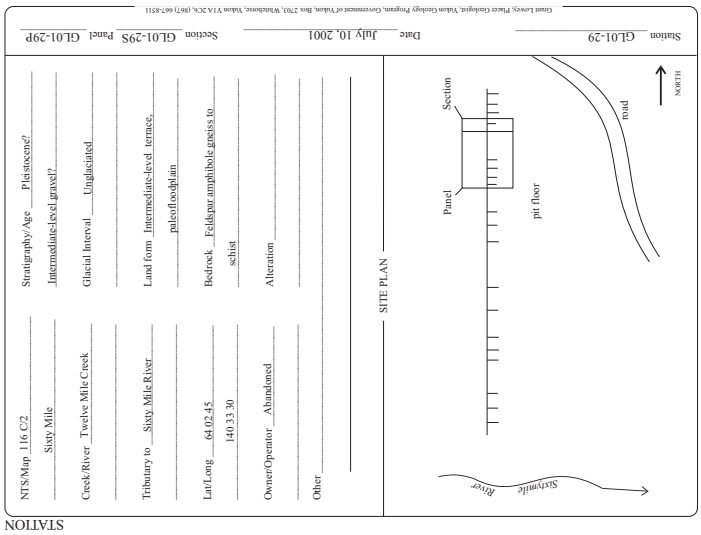

SECTION
Station GL00-41 Section 41S Orientation SW < ------ > NE Page 1 of 2
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Gh
GB
Sh
SB
crude channels
clasts up to 30cm long
sandy fine cobble gravel
imbrication
AtBi
grayish brown
igneous clasts altered to clay
GB (minor SB)
GL00-41A
Fluvial

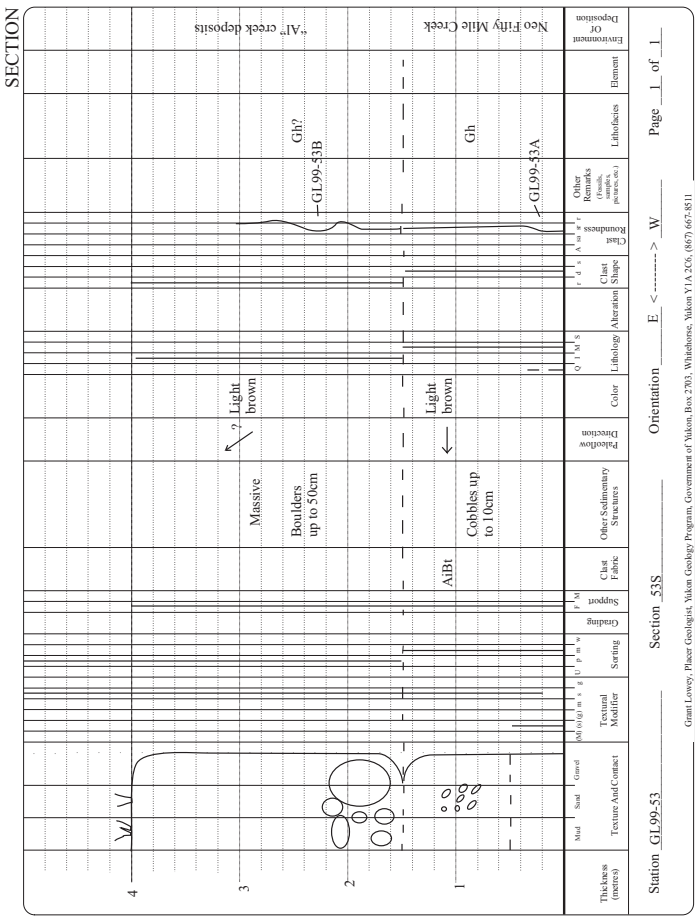

PANEL
Station GL00-41 Panel 41P Orientation SW < ------ > NE Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
105.2 +/- 0.7% yrs
GL00-41B
wood
xxxxxxx ash (White River)
colluvium
paleoflow out of page
crude bedding (channel)
isolated lenses of Sh (SB)
GL00-41A
covered
pit floor
Scale m
Gh
Sh

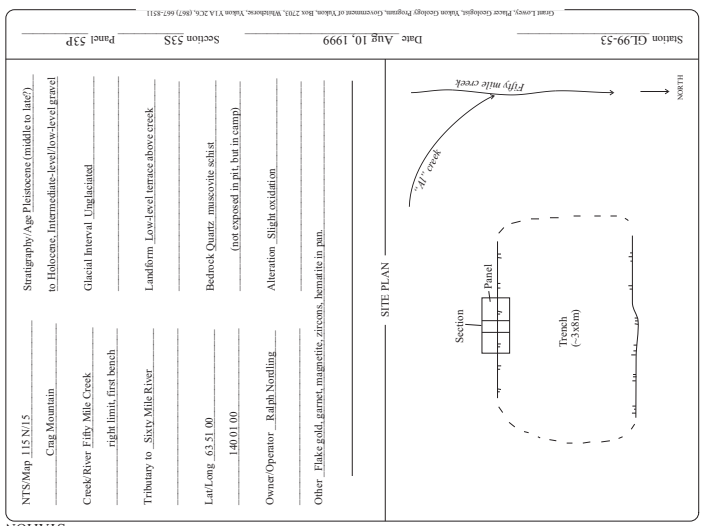

SECTION
Station GL00-41 Section 41S Orientation SW < ------ > NE Page 2 of 2
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Gh
GB
Fluvial
Colluvium

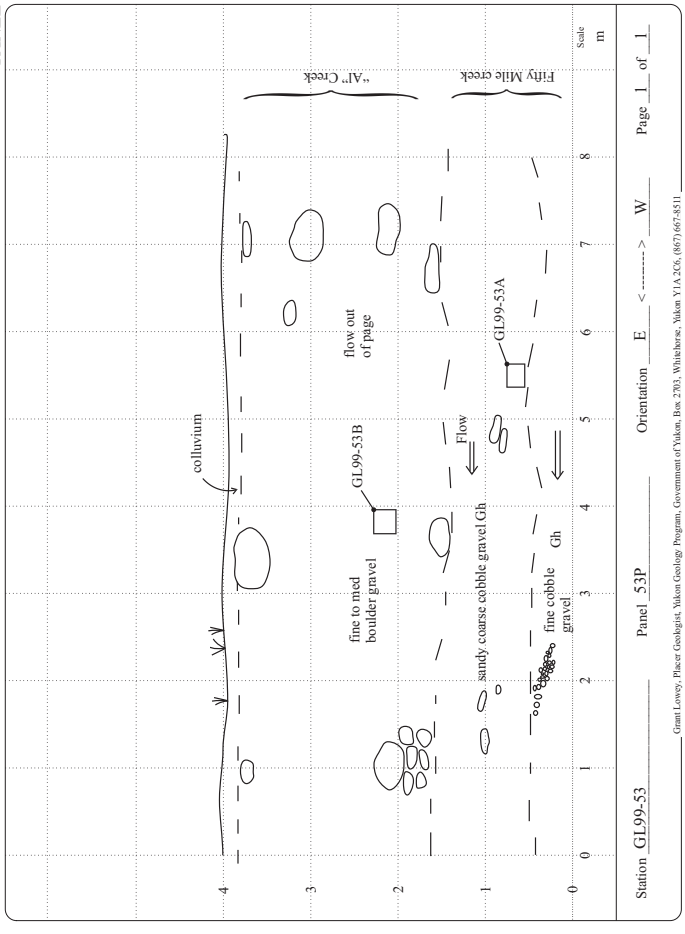

STATION
Station GL00-41 Date Aug 6, 2000
Panel 41P Section 41S
NTS/Map 116 G/2
Stratigraphy/Age Pleistocene (?)
Sixty Mile River
Intermediate-level gravel
Creek/River Glacier Creek
Glacial Interval Unglaciated
Tributary to Sixty Mile River
Land form Intermediate-level terrace
paleofloodplain
Lat/Long 64 01 30
140 46 00
Bedrock not exposed
Owner/Operator Abandoned
Alteration
Other
SITE PLAN
terrace
section
panel
Pit
Glacier Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

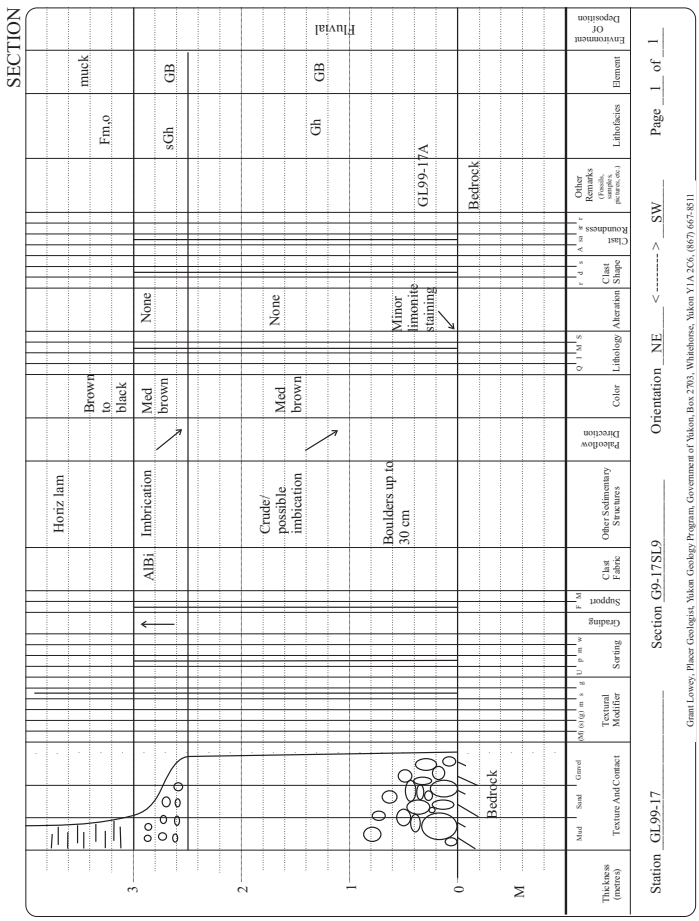

SECTION
Station GL01-29
Section 29S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fluvial (pre Sixtymile)
Colluvium
Sandy
Coarse
Pebble
Gravel
AtBi
Light
Brown
GL01-29B
GL01-29A
Gh
GB
Thickness (inches)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast Size
Other Remarks (of rocks, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition

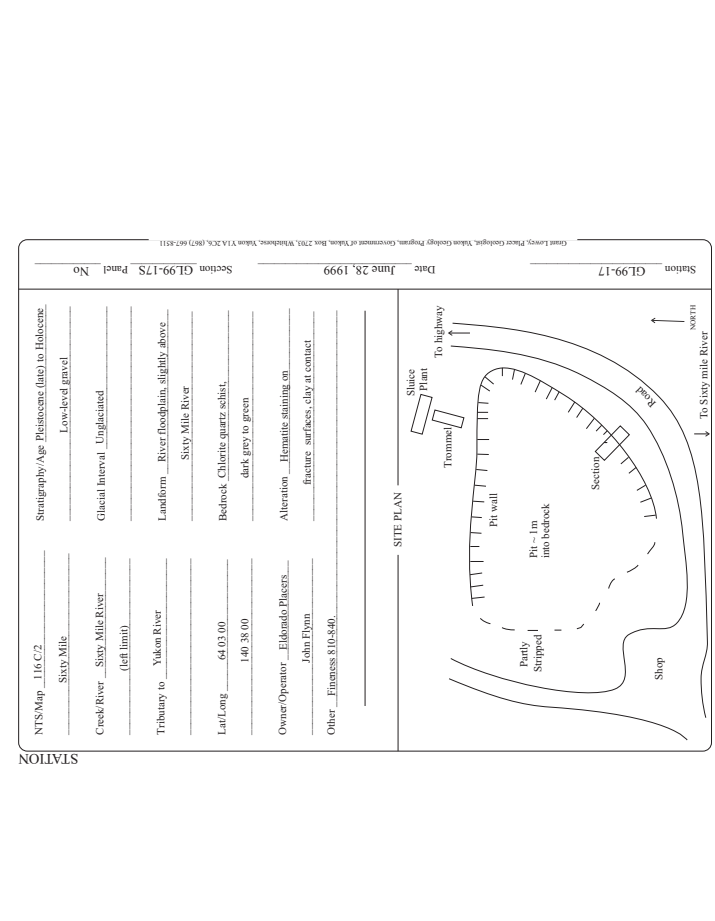

STATION
NTS/Map 116 C/2
Sixty Mile
Creek/River Twelve Mile Creek
Tributary to Sixty Mile River
Lat/Long 64 02 45
140 33 30
Owner/Operator Abandoned
Other
Stratigraphy/Age Pleistocene?
Intermediate-level gravel?
Glacial Interval Unglaciated
Land form Intermediate-level terrace,
paleofloodplain
Bedrock Feldspar amphibole gneiss to
schist
Alteration
SITE PLAN
Station GL01-29
Date July 10, 2001
Section GL01-29S Panel GL01-29P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Section
Panel
pit floor
road
NORTH


SECTION
Station GL99-53
Section 53S
Orientation
Page 1 of 1
Neo Fifty Mile Creek
"Al" creek deposits
GL99-53A
GL99-53B
Gh
Gh?
Massive
Boulders up to 50cm
Cobbles up to 10cm
Light brown
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 N/15
Craig Mountain
Creek/River Fifty Mile Creek
right limit, first bench
Tributary to Sixty Mile River
Lat/Long 63 51 00
140 01 00
Owner/Operator Ralph Nordling
Other Flake gold, garnet, magnetite, zircons, hematite in pan.
Stratigraphy/Age Pleistocene (middle to late?)
to Holocene, Intermediate-level/low-level gravel
Glacial Interval Unglaciated
Landform Low-level terrace above creek
Bedrock Quartz muscovite schist
(not exposed in pit, but in camp)
Alteration Slight oxidation
SITE PLAN
Fifty mile creek
"Al" creek
NORTH
Section
Panel
Trench (~3x8m)
Station GL99-53
Date Aug 10, 1999
Section 53S
Panel 53P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

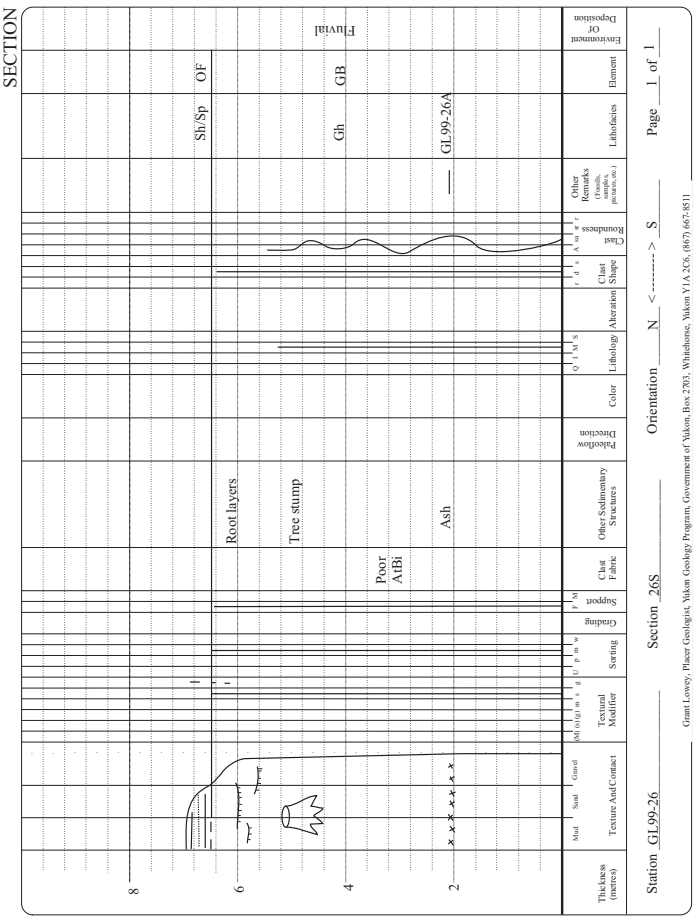

PANEL
Station GL99-53
Panel 53P
Orientation E < ------ > W
Page 1 of 1
"Al" Creek
Fifty Mile creek
colluvium
GL99-53B
GL99-53A
flow out of page
Flow
fine to med boulder gravel
sandy coarse cobble gravel Gh
fine cobble gravel
Gh
Scale m
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

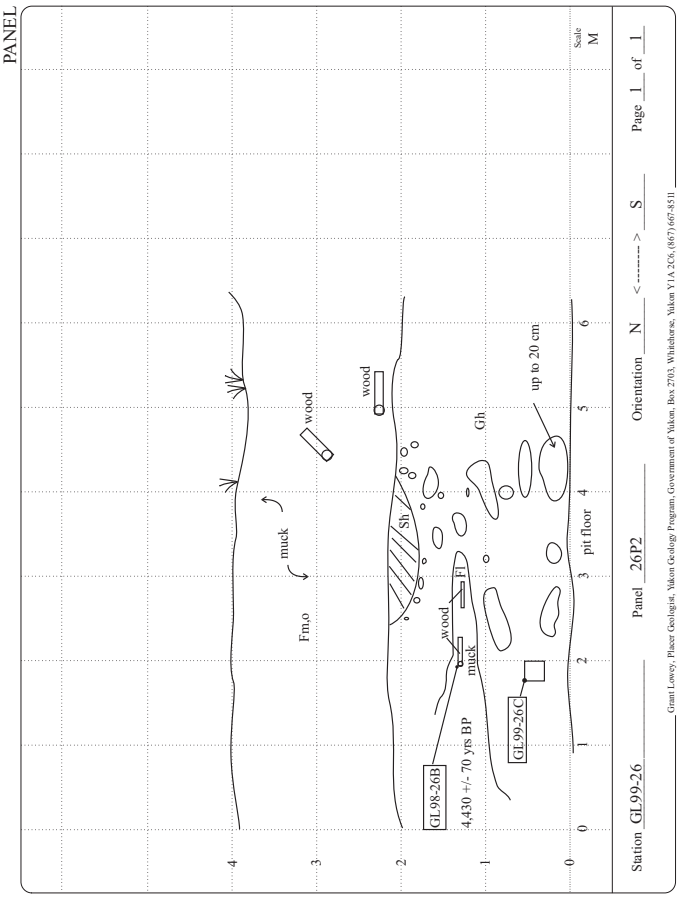

SECTION
Station GL99-17
Section G9-17SL9
Orientation NE < -------- > SW
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures etc)
Lithofacies
Element
Environment Of Deposition
Horiz lam
Brown to black
Fm,o
muck
AtBi
Imbication
Med brown
None
sGh
GB
Crude/ possible imbication
Fluvial
Gh
Boulders up to 30 cm
Minor limonite staining
GL99-17A
Bedrock
M

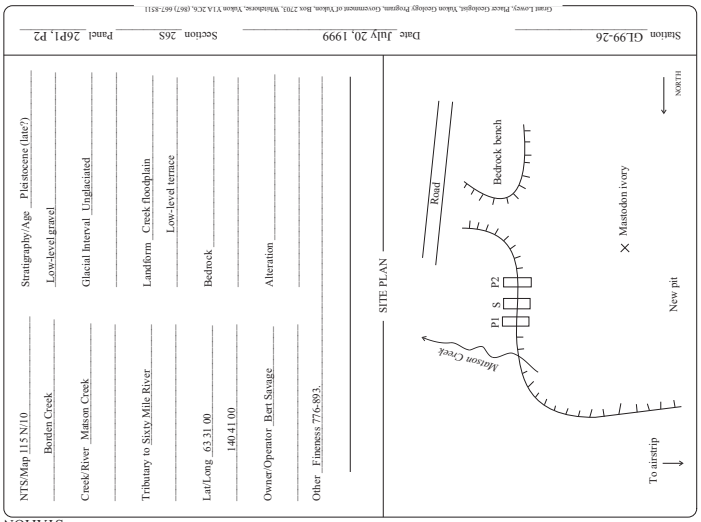

STATION
NTS/Map 116 C/2
Stratigraphy/Age Pleistocene (late) to Holocene
Sixty Mile
Low-level gravel
Creek/River Sixty Mile River (left limit)
Glacial Interval Unglaciated
Tributary to Yukon River
Landform River floodplain, slightly above Sixty Mile River
Lat/Long 64 03 00 140 38 00
Bedrock Chlorite quartz schist, dark grey to green
Owner/Operator Eldorado Placers John Flynn
Alteration Hematite staining on fracture surfaces, clay at contact
Other Fineness 810-840
SITE PLAN
Station GL99-17
Date June 28, 1999
Section GL99-17S
Panel
No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Sluice Plant
Trommel
To highway
Pit wall
Pit ~ 1m into bedrock
Partly Stripped
Section
Road
Shop
To Sixty mile River
NORTH

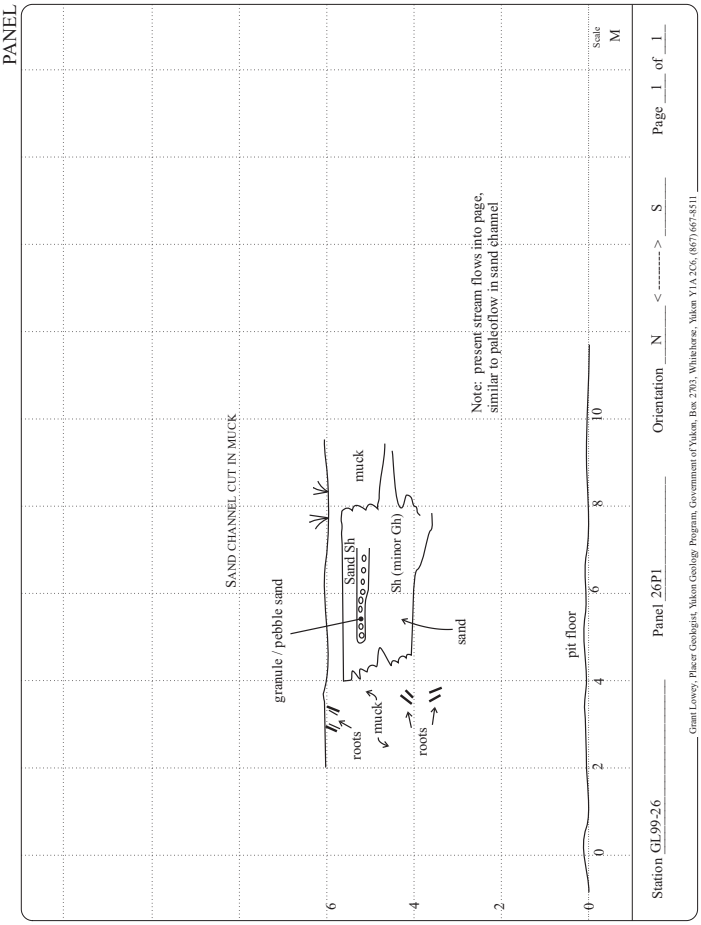
SECTION
Station GL99-18
Section GL99-18S
Orientation SW < -------- > NE
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures etc)
Lithofacies
Element
Environment Of Deposition
Horizontal lamination
Fm,o
muck
AtBi
Med brown
Massive to slightly imbricate, clasts up to 20 cm
Gh
GB
Fluvial
Minor hematite staining near bedrock contact
GL99-18A

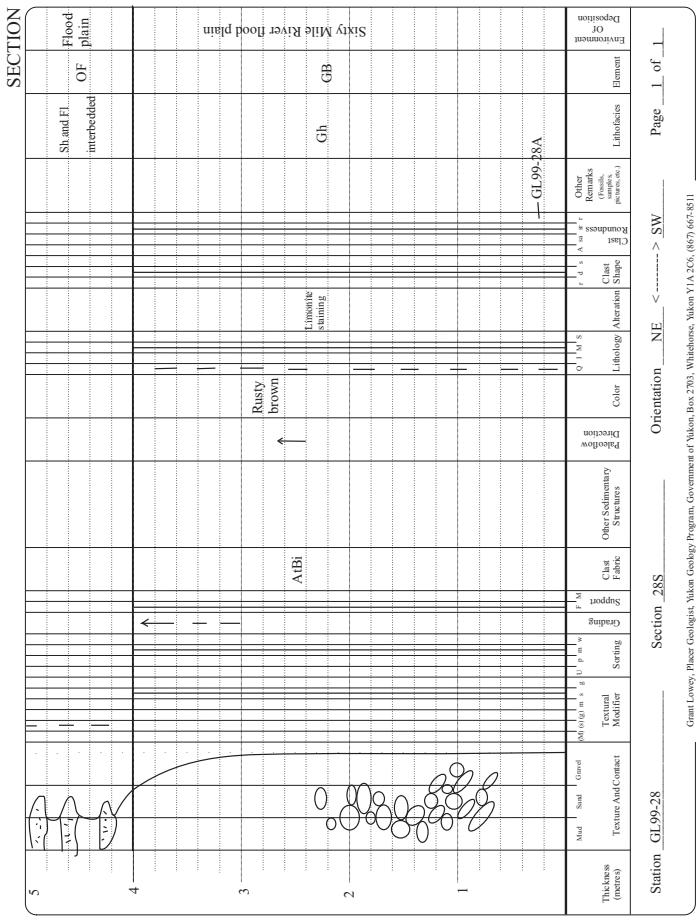
STATION
NTS/Map 116 C/2
Stratigraphy/Age Pleistocene (late) to Holocene
Sixty Mile
Low-level gravel
Creek/River Sixty Mile River
Glacial Interval Unglaciated ?
Tributary to Yukon River
Landform River floodplain
Lat/Long 64 02 00 140 40 00
Bedrock Graphite quartz schist (With 40 cm quartz - vein trending NE - SW)
Owner/Operator Eldorado Placers (abandoned pit)
Alteration None
Other Fineness 810-840
SITE PLAN
Station GL99-18
Date June 28, 1999
Section GL99-18S
Panel None
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Road
To Sixty Mile River
Pit floor
Pit ~1m into bedrock
Section
NORTH

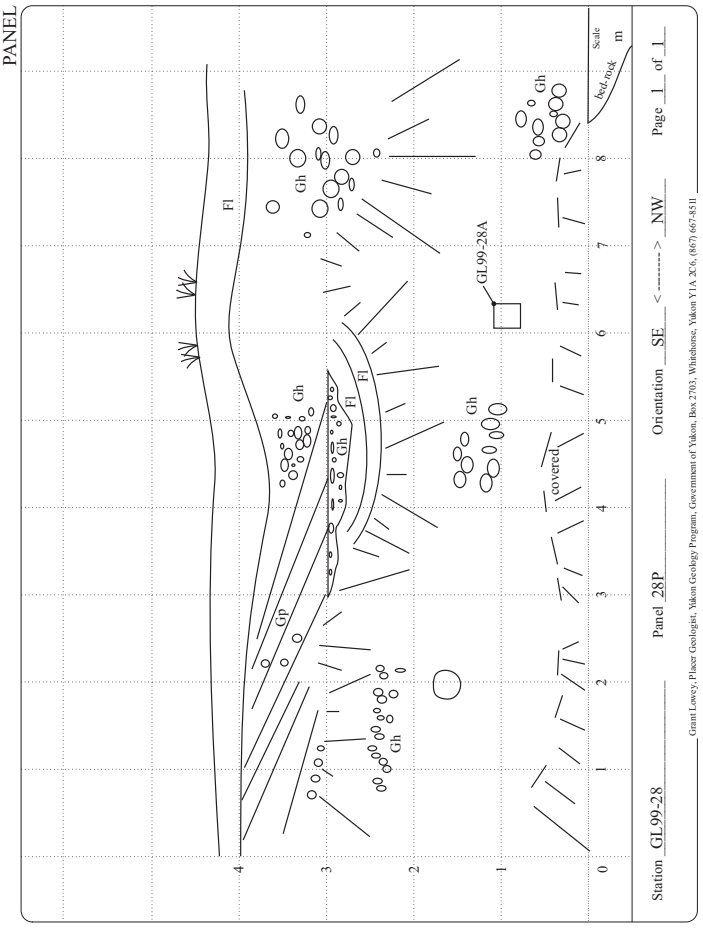

SECTION
Station GL99-26
Section 26S
Orientation N <------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Root layers
Tree stump
Ash
Poor A/Bi
Sh/Sp
OF
Gh
GB
Fluvial
GL99-26A

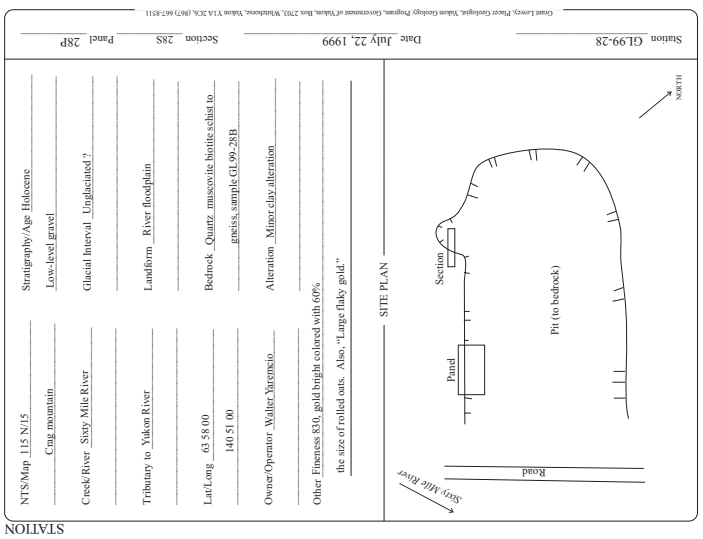

PANEL
Station GL99-26
Panel 26P2
Orientation N <------- > S
Page 1 of 1
Scale M
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
muck
Fm,o
wood
Sh
Fl
Gh
up to 20 cm
pit floor
GL98-26B
4,430 +/- 70 yrs BP
GL99-26C

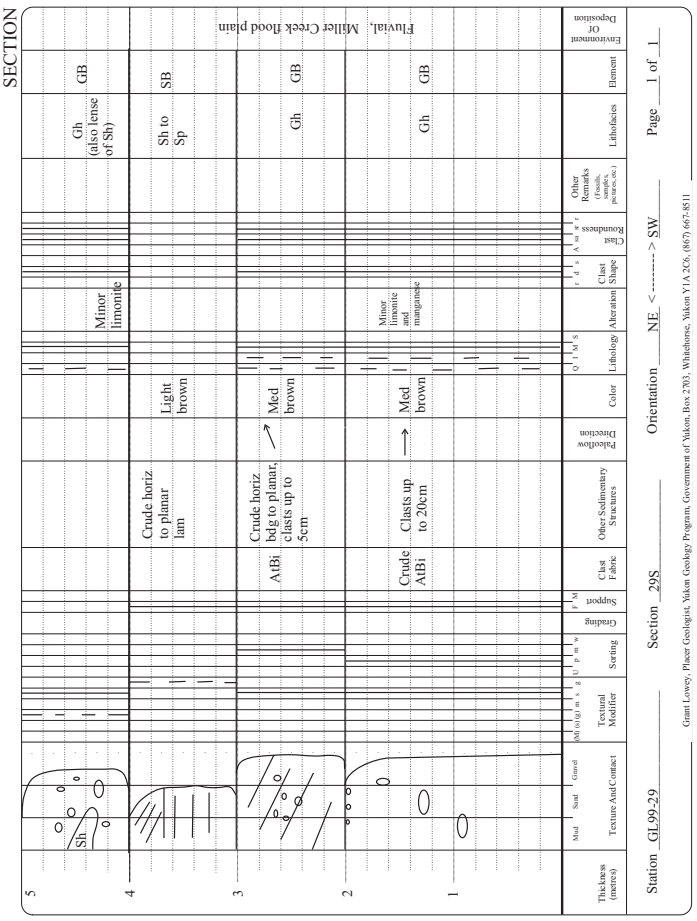

STATION
NTS/Map 115 N/10
Bonlea Creek
Creek/River Matson Creek
Tributary to Sixty Mile River
Lat/Long 63 31 00
140 41 00
Owner/Operator Bert Savage
Other Fineness 776-893.
Stratigraphy/Age Pleistocene (late?)
Low-level gravel
Glacial Interval Unglaciated
Landform Creek floodplain
Low-level terrace
Bedrock
Alteration
SITE PLAN
Road
Bedrock bench
Matson Creek
P1 S P2
New pit
To airstrip
NORTH
Mastodon ivory
Station GL99-26
Date July 20, 1999
Section 26S
Panel 26P1, P2
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

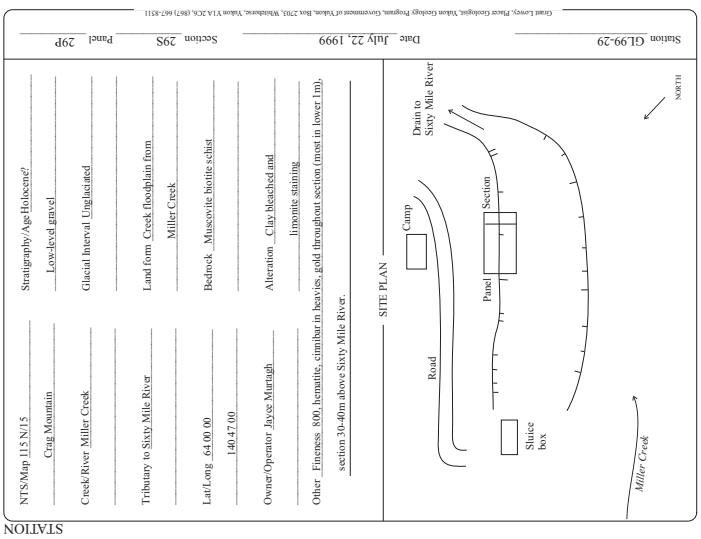

PANEL
SAND CHANNEL CUT IN MUCK
granule / pebble sand
Sand Sh
muck
Sh (minor Gh)
sand
roots
muck
roots
Note: present stream flows into page,
similar to paleoflow in sand channel
pit floor
Station GL99-26
Panel 26P1
Orientation N <------- > S
Page 1 of 1
Scale M
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

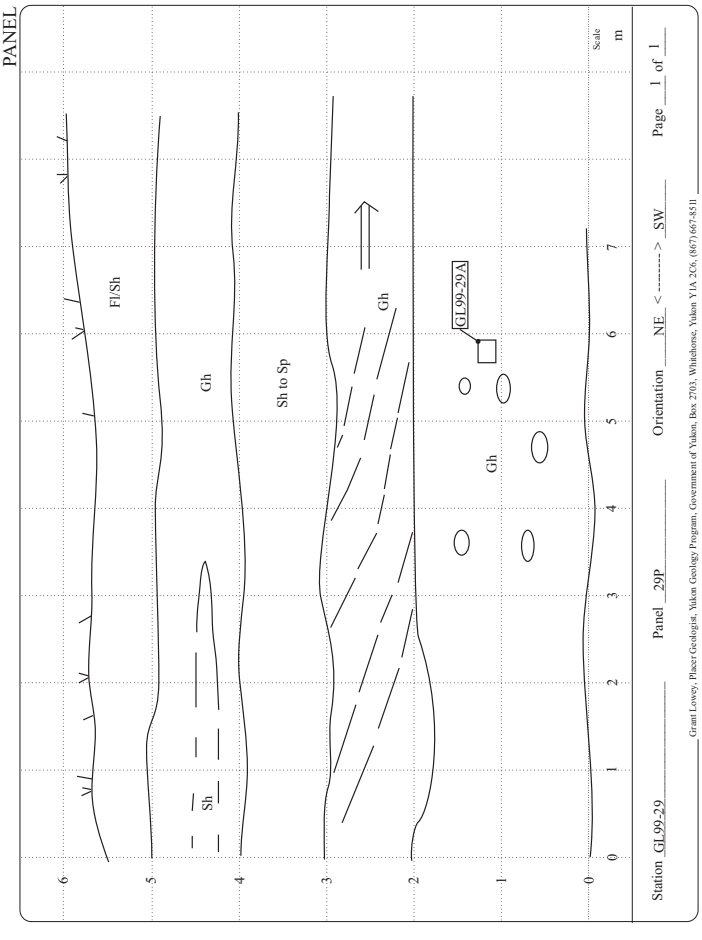

SECTION
Station GL99-28
Section 28S
Orientation NE < -------- > SW
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Sh and Fl interbedded
OF
Flood plain
Sixty Mile River flood plain
Gh
GB
A1Bi
Rusty brown
Limonite staining
GL99-28A

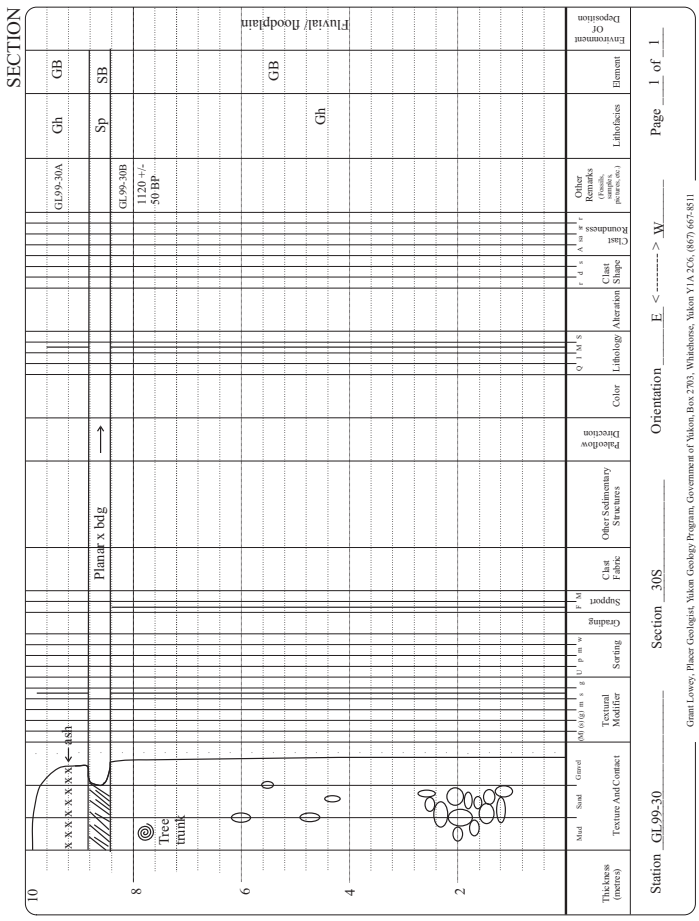

PANEL
Station GL99-28
Panel 28P
Orientation SE < -------- > NW
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fl
Gh
GP
GL99-28A
covered
bed rock
Scale
m

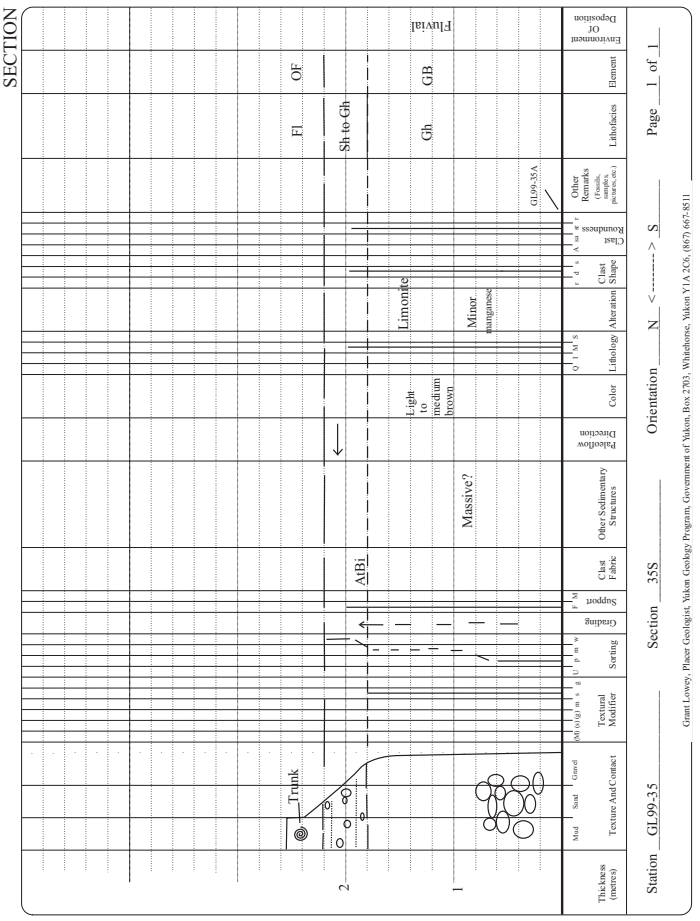

STATION
Station GL99-28
Date July 22, 1999
Section 28S
Panel 28P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 N/15
Stratigraphy/Age Holocene
Craig mountain
Low-level gravel
Creek/River Sixty Mile River
Glacial Interval Unglaciated ?
Tributary to Yukon River
Landform River floodplain
Lat/Long 63 58 00
140 51 00
Bedrock Quartz muscovite biotite schist to gneiss, sample GL99-28B
Owner/Operator Walter Yaremko
Alteration Minor clay alteration
Other Fineness 830, gold bright colored with 60% the size of rolled oats. Also, "Large flaky gold"
SITE PLAN
Sixty Mile River
Road
Section
Panel
Pit (to bedrock)
NORTH

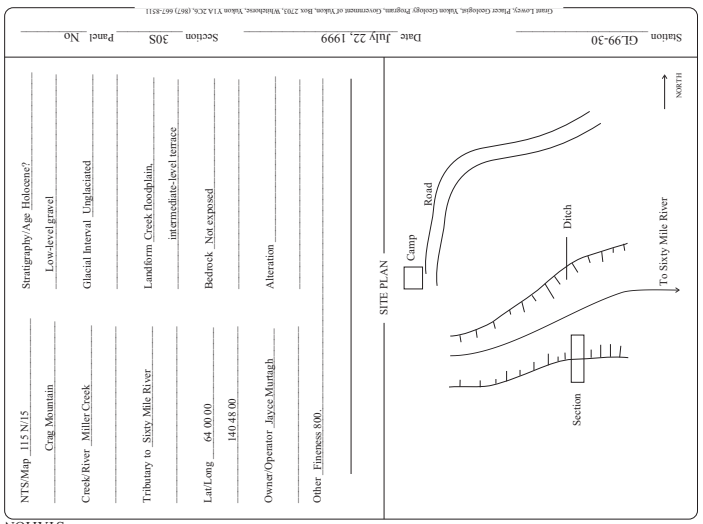

SECTION
Fluvial, Miller Creek flood plain
Sh
Crude horiz. to planar lam
Crude horiz. bdg to planar, clasts up to 5cm
Clasts up to 20cm
Minor limonite
Minor limonite and manganese
Light brown
Med. brown
Med. brown
Sh to Sp
Gh (also lense of Sh)
Gh
Gh
SB
GB
GB
GB
Station GL99-29
Section 29S
Orientation NE < -------- > SW
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

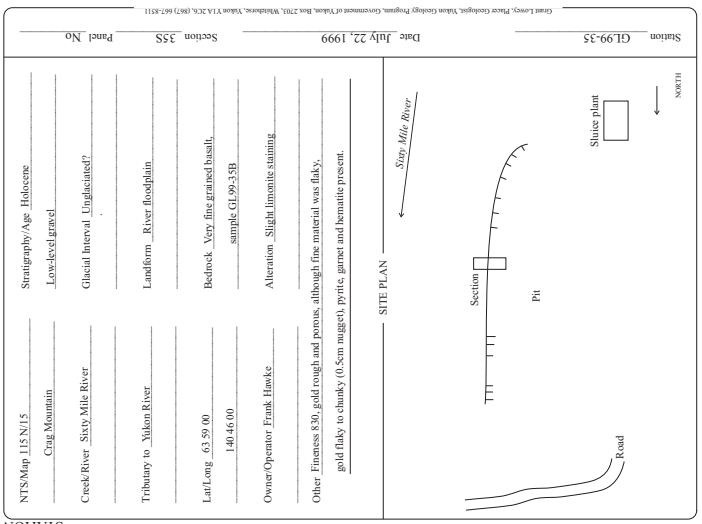

STATION
Station GL99-29
Date July 22, 1999
Section 29S
Panel 29P
NTS/Map 115 N/15
Stratigraphy/Age Holocene?
Crag Mountain
Low-level gravel
Creek/River Miller Creek
Glacial Interval Unglaciated
Tributary to Sixty Mile River
Land form Creek floodplain from Miller Creek
Lat/Long 64 00 00 / 140 47 00
Bedrock Muscovite biotite schist
Owner/Operator Jayce Murtagh
Alteration Clay-bleached and limonite staining
Other Fineness 800, hematite, cimnibar in heavies, gold throughout section (most in lower 1m), section 30-40m above Sixty Mile River.
SITE PLAN
Drain to Sixty Mile River
Camp
Road
Panel
Section
Sluice box
Miller Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
Fl/Sh
Gh
Sh to Sp
Gh
Gh
Sh
GL99-29A
Scale m
Station GL99-29
Panel 29P
Orientation NE < -------- > SW
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Fluvial/ Floodplain
Planar x bdg
Tree trunk
GL99-30A
GL99-30B
1120 +/- 50 BP
Station GL99-30
Section 30S
Orientation E < -------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Fluvial
Trunk
AtBi
Massive?
Limonite
Minor manganese
GL99-35A
Station GL99-35
Section 35S
Orientation N < -------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 N/15
Crag Mountain
Creek/River Miller Creek
Tributary to Sixty Mile River
Lat/Long 64 00 00
140 48 00
Owner/Operator Joyce Murtagh
Other Fineness 800
Stratigraphy/Age Holocene?
Low-level gravel
Glacial Interval Unglaciated
Landform Creek floodplain
intermediate-level terrace
Bedrock Not exposed
Alteration
SITE PLAN
Camp
Road
Ditch
To Sixty Mile River
Section
NORTH
Station GL99-30
Date July 22, 1999
Section 30S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 N/15
Crag Mountain
Creek/River Sixty Mile River
Tributary to Yukon River
Lat/Long 63 59 00
140 46 00
Owner/Operator Frank Hawke
Other Fineness 830, gold rough and porous, although fine material was flaky;
gold flaky to chunky (0.5cm nugget), pyrite, garnet and hematite present.
Stratigraphy/Age Holocene
Low-level gravel
Glacial Interval Unglaciated?
Landform River floodplain
Bedrock Very fine grained basalt,
sample GL99-35B
Alteration Slight limonite staining
SITE PLAN
Sixty Mile River
Section
Pit
Sluice plant
Road
NORTH
Station GL99-35
Date July 22, 1999
Section 35S
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 N/15 — Stratigraphy/Age Pleistocene - Recent
Crag Mountain — Low-level gravel
Creek/River 'Cherry' Creek — Glacial Interval Unglaciated
Tributary to Fiftymile Creek — Land form Creek Valley
Lat/Long 63 51 00 — Bedrock Quartz-muscovite schist
140 28 59
Owner/Operator — Alteration
Other Sample GL99-55A, panned creek sample.

SITE PLAN

NORTH

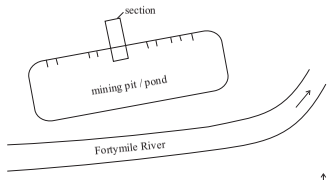
Station GL99-55 — Date Aug 12, 1999 — Section No — Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map Clinton Creek — Stratigraphy/Age Pleistocene-Holocene
116 C/7 — Low-level gravel
Creek/River Fortymile River — Glacial Interval Unglaciated
Tributary to Yukon River — Land form River floodplain
Lat/Long 64 20 30 — Bedrock Not exposed
140 49 05
Owner/Operator Bill Claxton — Alteration
Leslie Chapman
Other

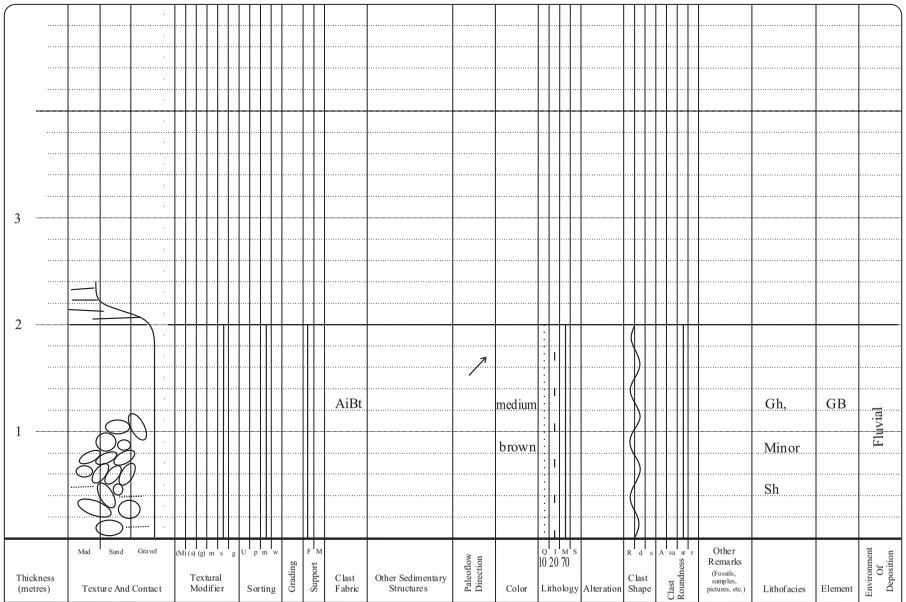
SITE PLAN



Station GL99-62 — Date Sept. 29, 1999 — Section 62S — Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION



Thickness (metres)	Texture And Contact (Mud / Sand / Gravel)	Textural Modifier (M)(si)(g) m s g	Sorting (U p m w)	Grading	Support (F M)	Clast Fabric	Other Sedimentary Structures	Paleoflow Direction	Color	Lithology (O I M S; 10 20 70)	Alteration	Clast Shape (R d s A su)	Clast Roundness (s r)	Other Remarks (Fossils, samples, pictures, etc.)	Lithofacies	Element	Environment Of Deposition
						AiBt			medium brown						Gh, Minor Sh	GB	Fluvial

Station GL99-62 — Section GL99-62S — Orientation SW <-------> NE — Page 1 of 1

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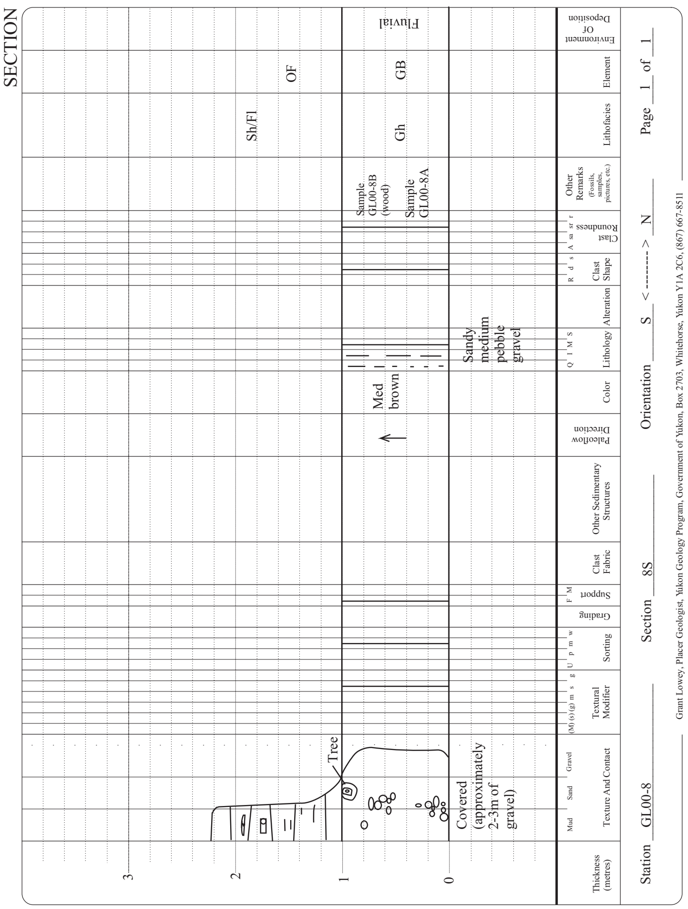
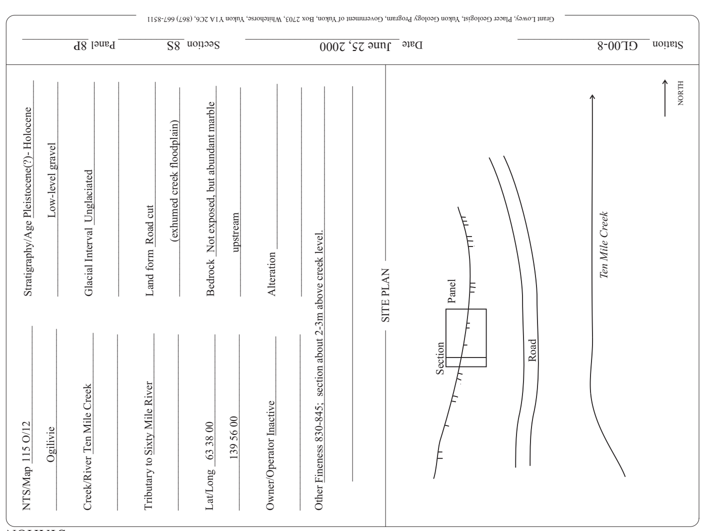
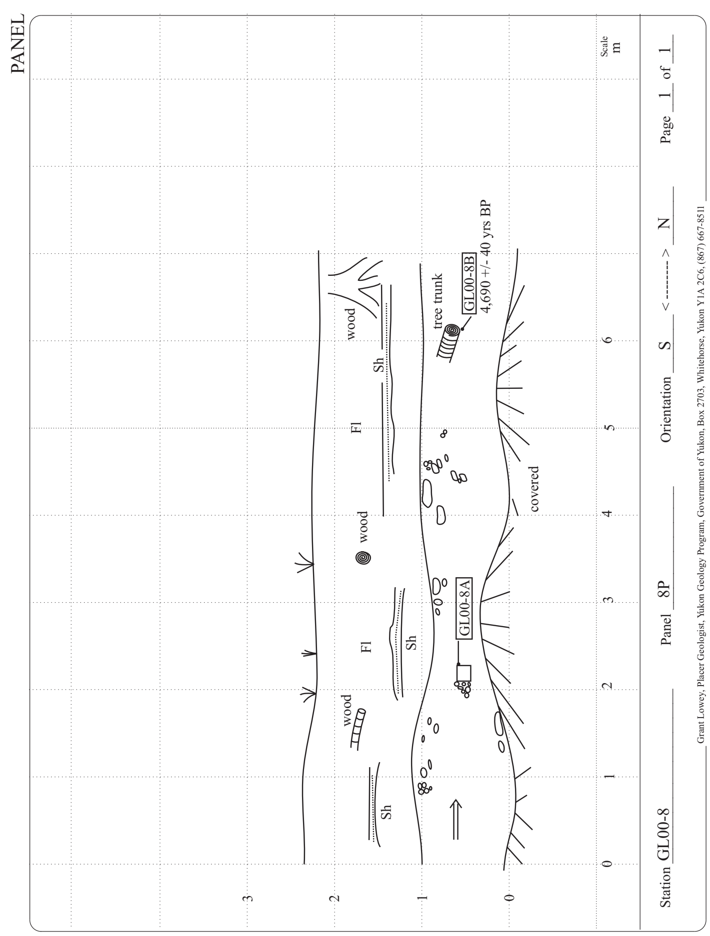

SECTION
Fluvial
OF
GB
Sh/Fl
Gh
Sample GL00-8B (wood)
Sample GL00-8A
Med brown
Sandy medium pebble gravel
Tree
Covered (approximately 2-3m of gravel)
Station GL00-8
Section 8S
Orientation S <--------> N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL00-8
Date June 25, 2000
Section 8S
Panel 8P
NTS/Map 115 O/12
Ogilvie
Stratigraphy/Age Pleistocene(?)- Holocene
Low-level gravel
Creek/River Ten Mile Creek
Glacial Interval Unglaciated
Tributary to Sixty Mile River
Land form Road cut
(exhumed creek floodplain)
Lat/Long 63 38 00
139 56 00
Bedrock Not exposed, but abundant marble
upstream
Owner/Operator Inactive
Alteration
Other Fineness 830-845; section about 2-3m above creek level.
SITE PLAN
Section
Panel
Road
Ten Mile Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
wood
Sh
Fl
GL00-8A
wood
covered
tree trunk
GL00-8B
4,690 +/- 40 yrs BP
Station GL00-8
Panel 8P
Orientation S <--------> N
Page 1 of 1
Scale m
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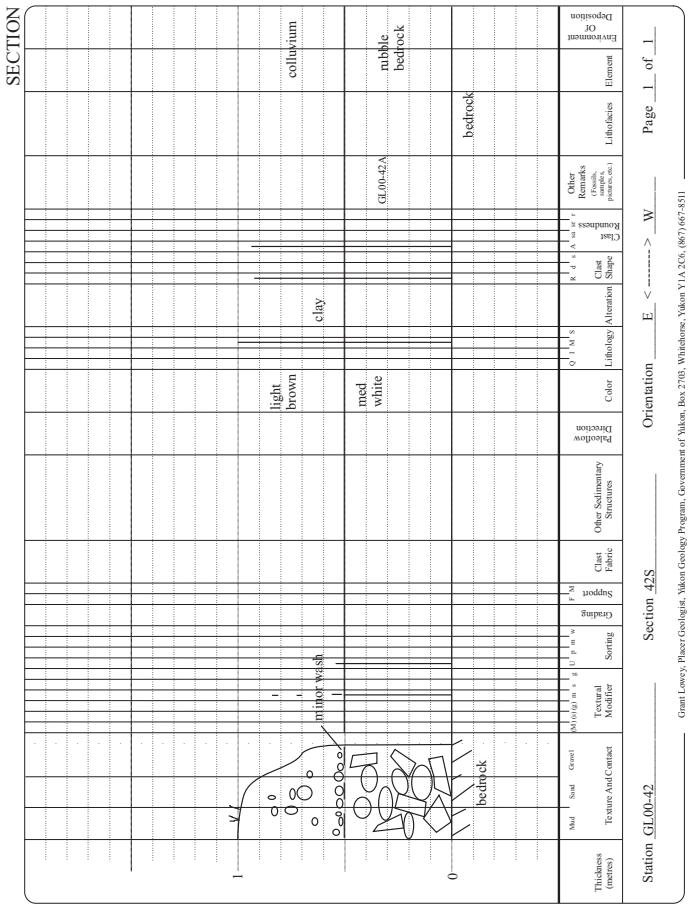


STATION

Station GL00-42 Date Aug 6, 2000 Section 42S Panel No

NTS/Map 115 N/15 Stratigraphy/Age Recent

Crag Mountain Low-level gravel

Creek/River None Glacial Interval Unglaciated

Tributary to Sixty Mile River Land form Colluvium, road exposure

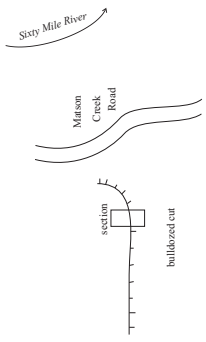
Lat/Long 63 58 30 Bedrock Quartz-muscovite schist

140 47 00 Alteration

Owner/Operator

Other Bulldozed cut on road.

SITE PLAN



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STATION

Station GL01-11 Date June 10, 2001 Section No Panel No

NTS/Map 116 C/2 Stratigraphy/Age Pleistocene

Sixty Mile Low-level gravel

Creek/River Glacier Creek Glacial Interval Unglaciated

Tributary to Sixty Mile River Land form Valley

Lat/Long 64 01 14 Bedrock NA

140 45 29 Alteration NA

Owner/Operator

Other Sample GL01-11A concentrate.

GL01-11 ? Gravel.

SITE PLAN

NORTH

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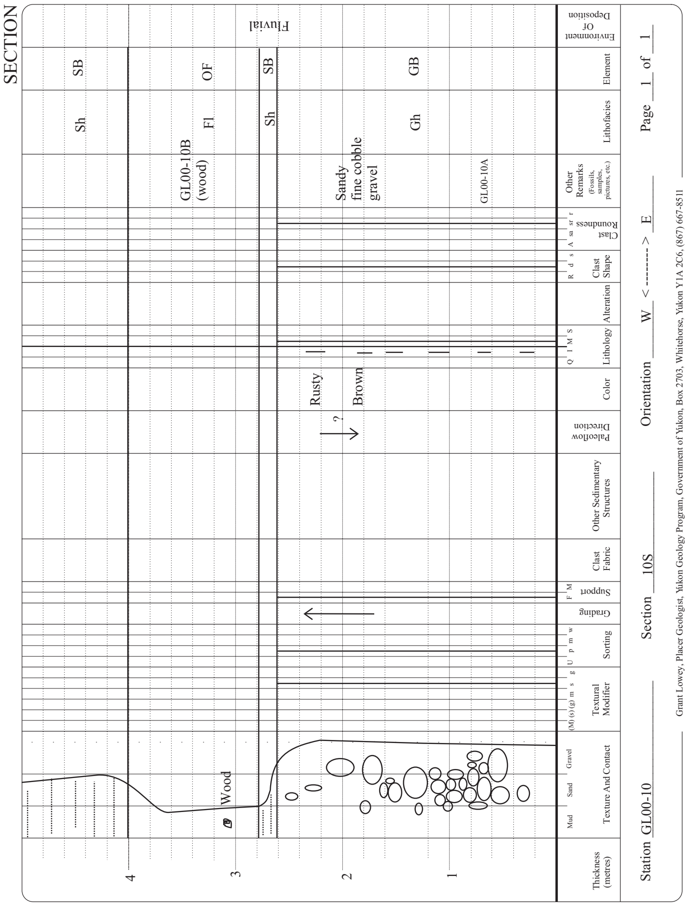
STATION

Appendix 10

Station descriptions, Stewart River and Yukon River drainages

GL00-17 237
GL97-01 237
GL00-10 238
GL00-11 239
GL00-19 240
GL00-20 241
GL00-22 242
GL00-48 243
GL00-05 244
GL00-09 245
GL00-12 246
GL00-13 247
GL00-18 248
GL00-21 249
GL00-23 250
GL00-43 250
GL00-44 251
GL00-45 252
GL00-46 253
GL00-47 254
GL00-49 254
GL00-50 255
GL00-51 255
GL00-52 256
GL00-53 257
GL01-22 258
GL01-37 259
GL01-44 260

SECTION
Station GL00-17
Section 17S
Orientation E < ------ > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Cracking
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (fossils, sample #'s, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Glaciofluvial
Gh
GB
Sh
GL00-17A
Oxidized
Light reddish brown
Sub horizontal clasts
Clasts up to 30cm fine cobble sandy gravel
?
STATION
NTS/Map 115 O/13
Garner Creek
Creek/River
Tributary to Yukon River
Lat/Long 63 51 00
139 47 00
Owner/Operator NA
Other Hand dug pit on the terrace several km below Garner Creek.
Stratigraphy/Age Pliocene?
High-level gravel
Glacial Interval Unglaciated
Land form Paleo-Yukon River terrace
paleofloodplain.
Bedrock Not exposed
Alteration
SITE PLAN
GL97-01
hand dug pit
terrace
Yukon River
NORTH
Station GL97-01
Date July 17 1997
Section No
Panel No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
PANEL
colluvium
Gh
sub horizontal clasts
Sh
GL00-17A
chert and conglomerate clasts
covered
Scale m
Station GL00-17
Panel 17P
Orientation E < ------ > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
STATION
NTS/Map 115 O/2
Scroggie Creek
Creek/River Scroggie Creek
Tributary to Stewart River
Lat/Long 63 06 00
138 37 00
Owner/Operator Abandoned
Other Fineness 895-905, gold bright in color, round chunky with varying sizes.
Stratigraphy/Age Pleistocene?
Intermediate-level gravel
Glacial Interval Pre-Reid
Land form Intermediate-level terrace
(15m above creek), paleofloodplain, glaciofluvial?
Bedrock Diorite
Alteration None
SITE PLAN
Panel
Section
Pit floor
Terrace
Creek
NORTH
Station GL00-17
Date July 15, 2000
Section 17S
Panel 17P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL00-10
Section 10S
Orientation W <--------> E
Page 1 of 1
Thickness (metres)
Texture And Contact
Mud Sand Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, sample, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Wood
Rusty
Brown
GL00-10B (wood)
Sandy fine cobble gravel
GL00-10A
Sh
Fl
Gh
SB
OF
GB
Fluvial
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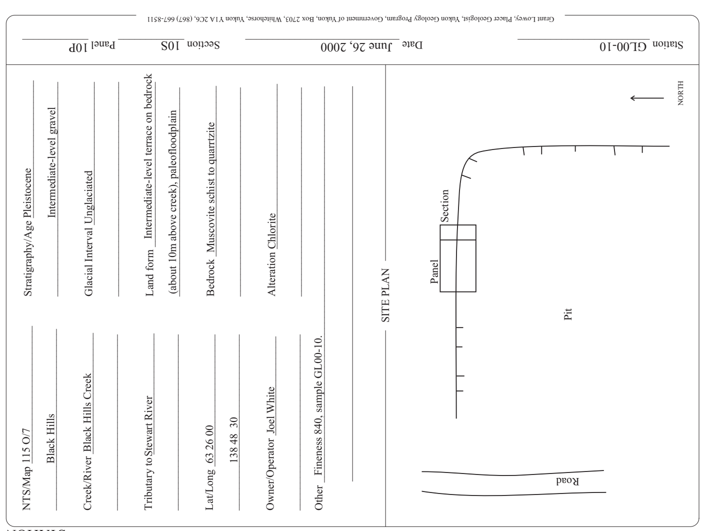
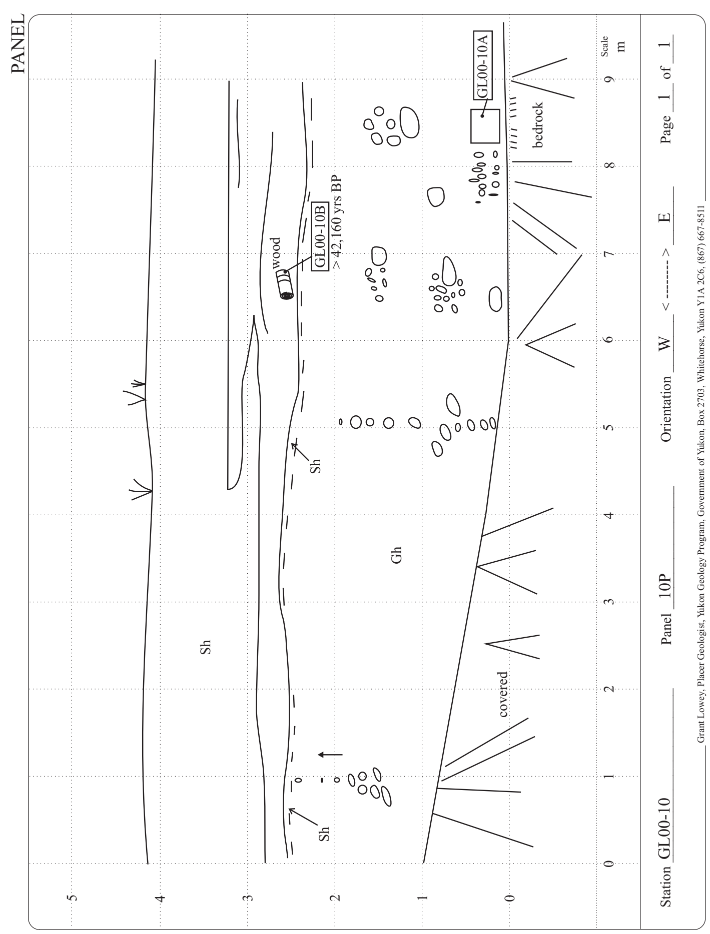
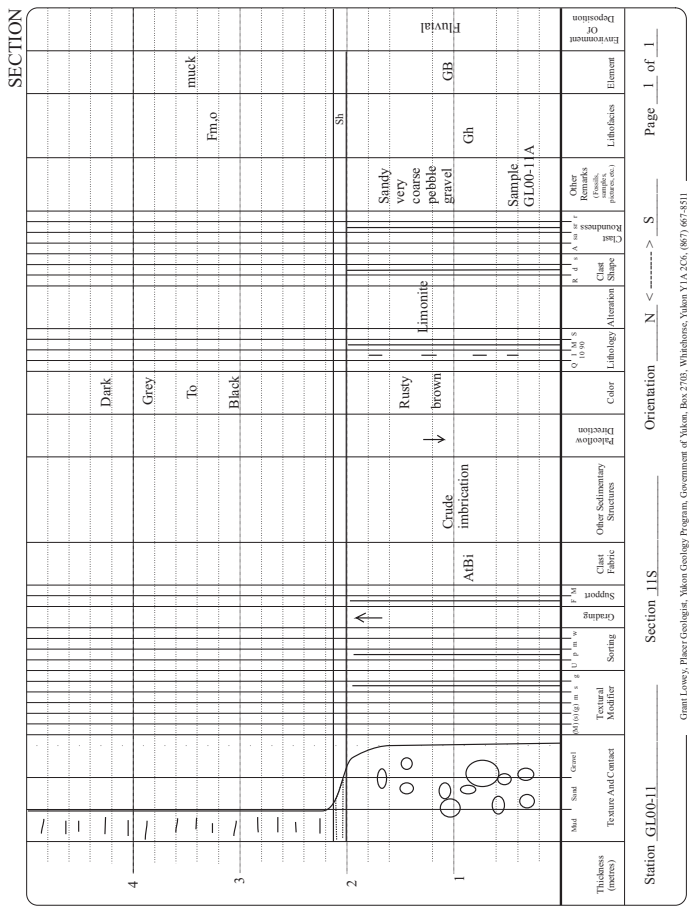
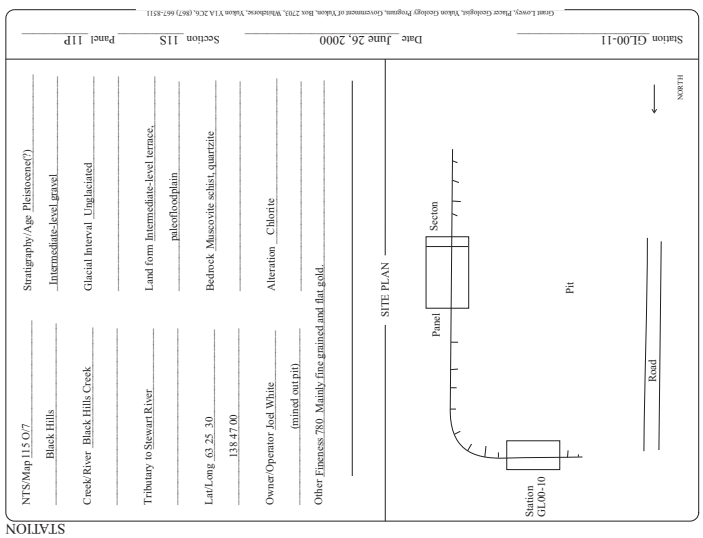
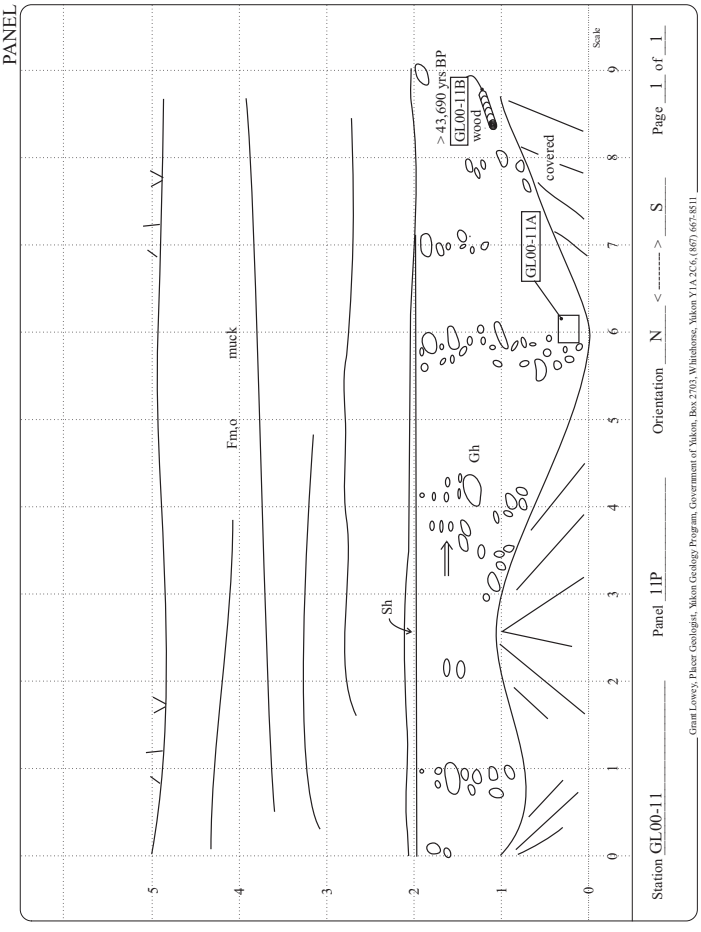
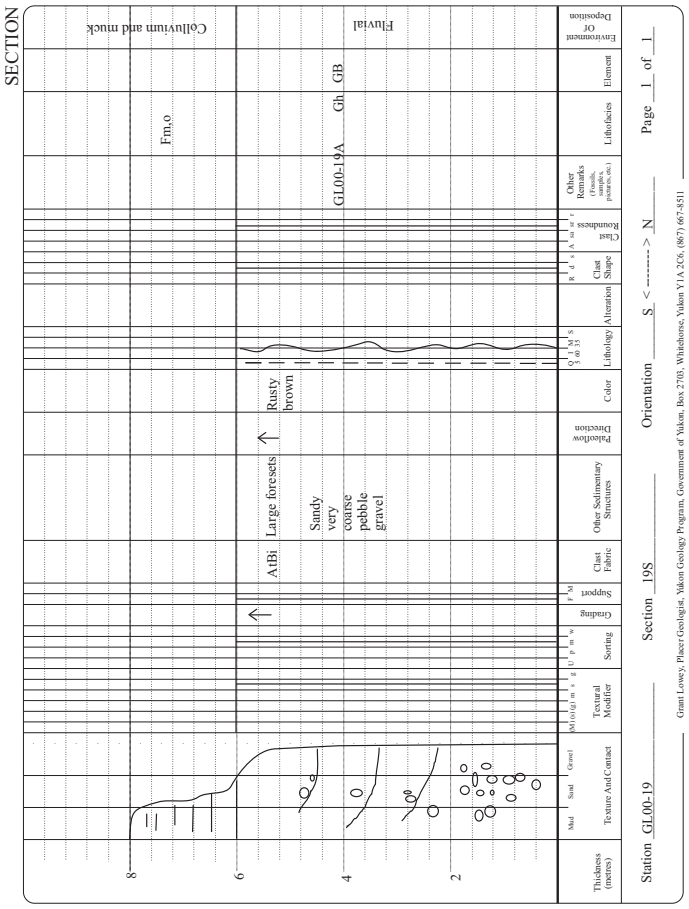

STATION
Station GL00-10
Date June 26, 2000
Section 10S
Panel 10P
NTS/Map 115 O/7
Black Hills
Creek/River Black Hills Creek
Tributary to Stewart River
Lat/Long 63 26 00
138 48 30
Owner/Operator Joel White
Other Fineness 840, sample GL00-10.
Stratigraphy/Age Pleistocene
Intermediate-level gravel
Glacial Interval Unglaciated
Land form Intermediate-level terrace on bedrock
(about 10m above creek), paleofloodplain
Bedrock Muscovite schist to quartzite
Alteration Chlorite
SITE PLAN
NORTH
Section
Panel
Pit
Road
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

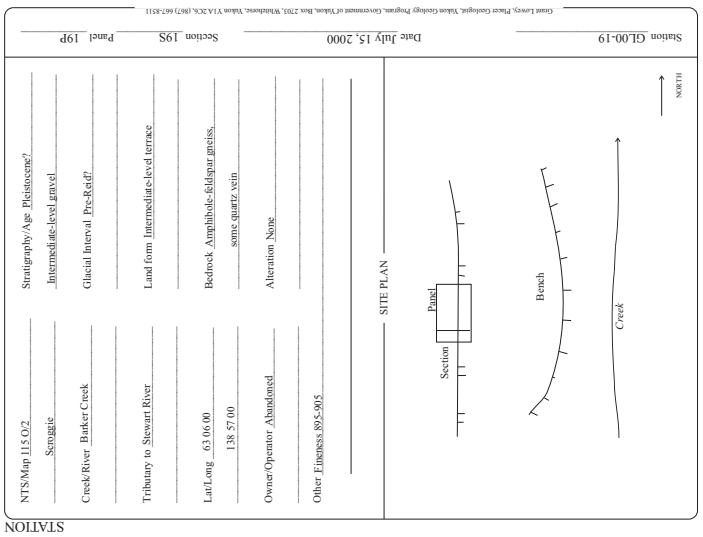

PANEL
Station GL00-10
Panel 10P
Orientation W <--------> E
Page 1 of 1
Scale m
Sh
Gh
wood
GL00-10B
>42,160 yrs BP
GL00-10A
bedrock
covered
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

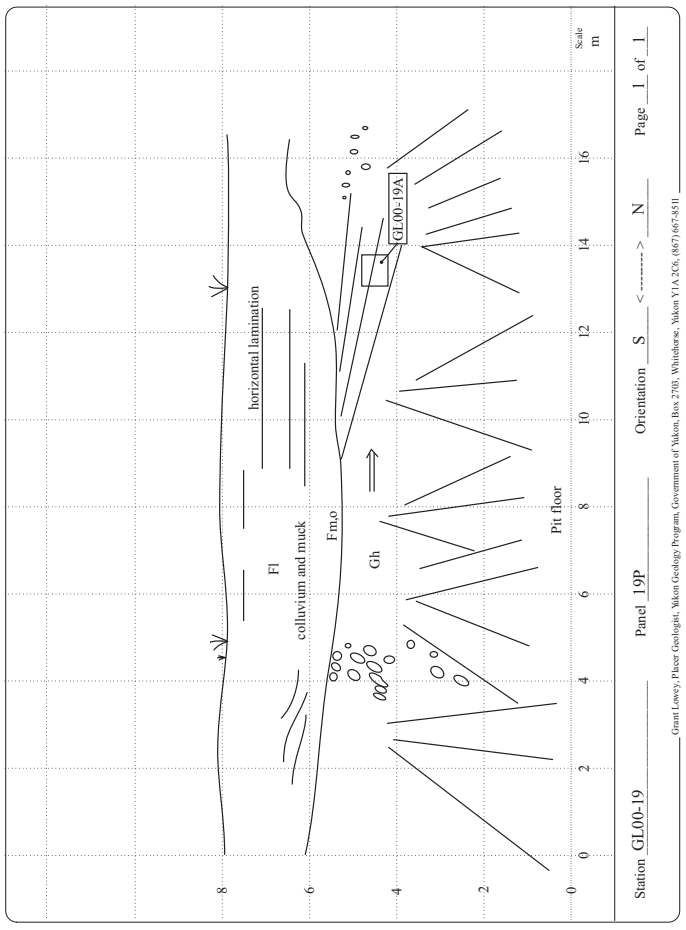

SECTION
Station GL00-11
Section 11S
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Dark
Grey
To
Black
Rusty
brown
Limonite
Crude imbrication
AtBi
Sandy very coarse pebble gravel
Sample GL00-11A
Fm,o
muck
Gh
GB
Sh
Fluvial

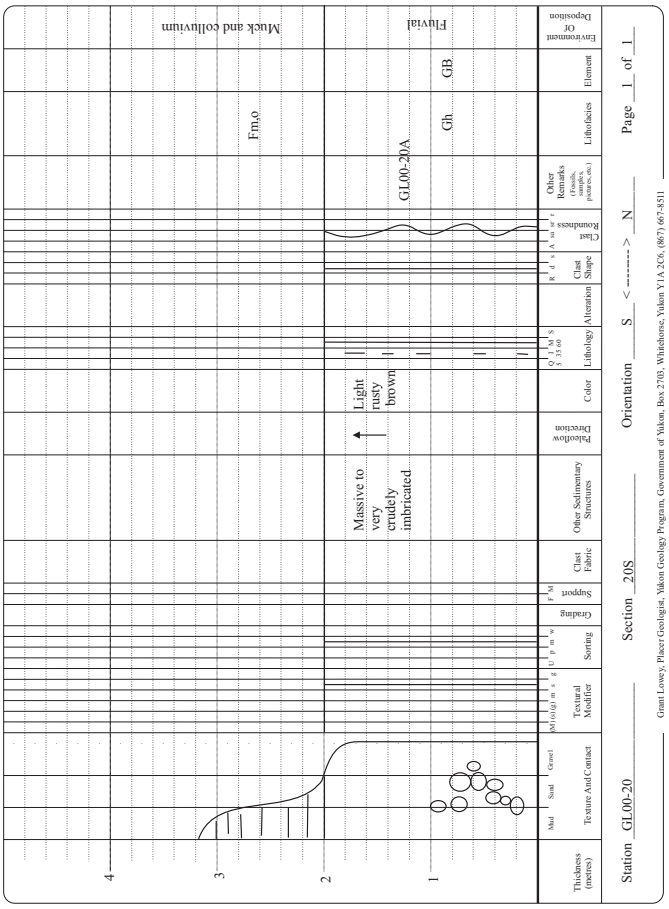

STATION
NTS/Map 115 O/7
Stratigraphy/Age Pleistocene(?)
Black Hills
Intermediate-level gravel
Creek/River Black Hills Creek
Glacial Interval Unglaciated
Tributary to Stewart River
Land form Intermediate-level terrace, paleofloodplain
Lat/Long 63 25 30 / 138 47 00
Bedrock Muscovite schist, quartzite
Owner/Operator Joel White
Alteration Chlorite
(mined out pit)
Other Fineness 780. Mainly fine grained and flat gold.
SITE PLAN
Station GL00-10
Panel
Secton
Pit
Road
NORTH
Station GL00-11
Date June 26, 2000
Section 11S
Panel 11P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

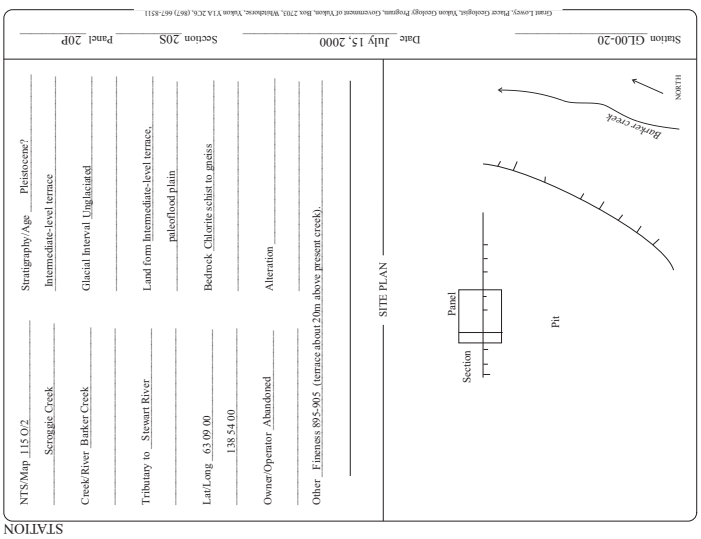

PANEL
Fm,o
muck
Sh
Gh
≥43,690 yrs BP
GL00-11B
wood
GL00-11A
covered
Scale
Station GL00-11
Panel 11P
Orientation N < ------ > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

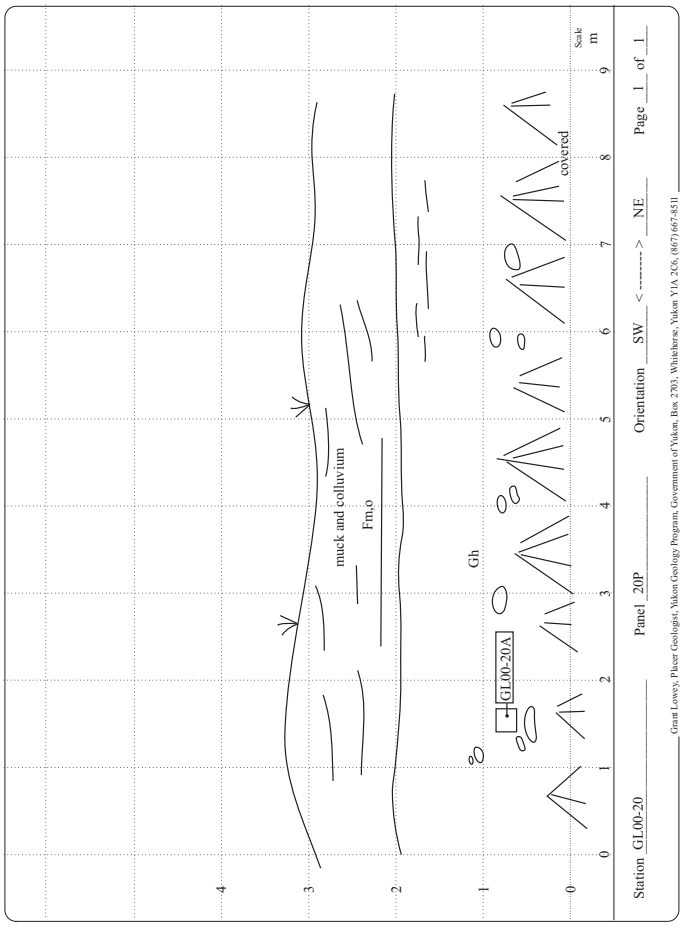

SECTION
Station GL00-19
Section 19S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Colluvium and muck
Fluvial
Fm,o
GL00-19A
Gh
GB
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Unstable
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (structures, samples, geotechs, etc)
Lithofacies
Element
Environment Of Deposition
Large foresets
Sandy very coarse pebble gravel
Rusty brown
AtBi

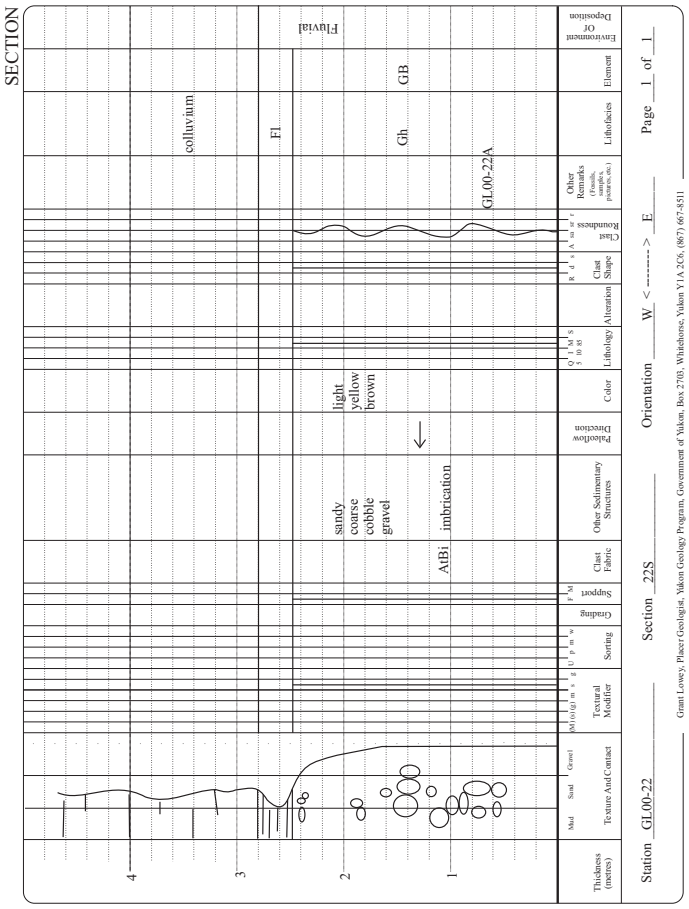

STATION
Station GL00-19
Date July 15, 2000
Section 19S
Panel 19P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/2
Stratigraphy/Age Pleistocene?
Intermediate-level gravel
Creek/River Barker Creek
Glacial Interval Pre-Reid?
Tributary to Stewart River
Land form Intermediate-level terrace
Lat/Long 63 06 00
138 57 00
Bedrock Amphibole-feldspar gneiss, some quartz vein
Owner/Operator Abandoned
Alteration None
Other Fineness 895-905
SITE PLAN
Panel
Section
Bench
Creek
NORTH

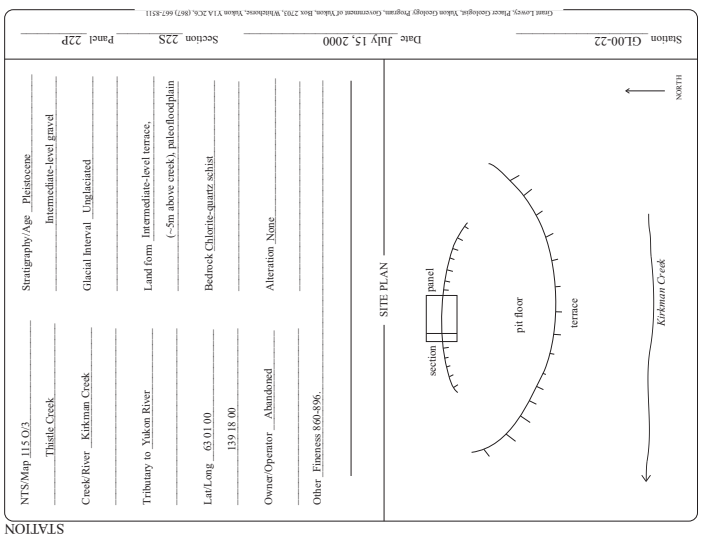

PANEL
Station GL00-19
Panel 19P
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
horizontal lamination
Fl
colluvium and muck
Fm,o
Gh
GL00-19A
Pit floor
Scale m

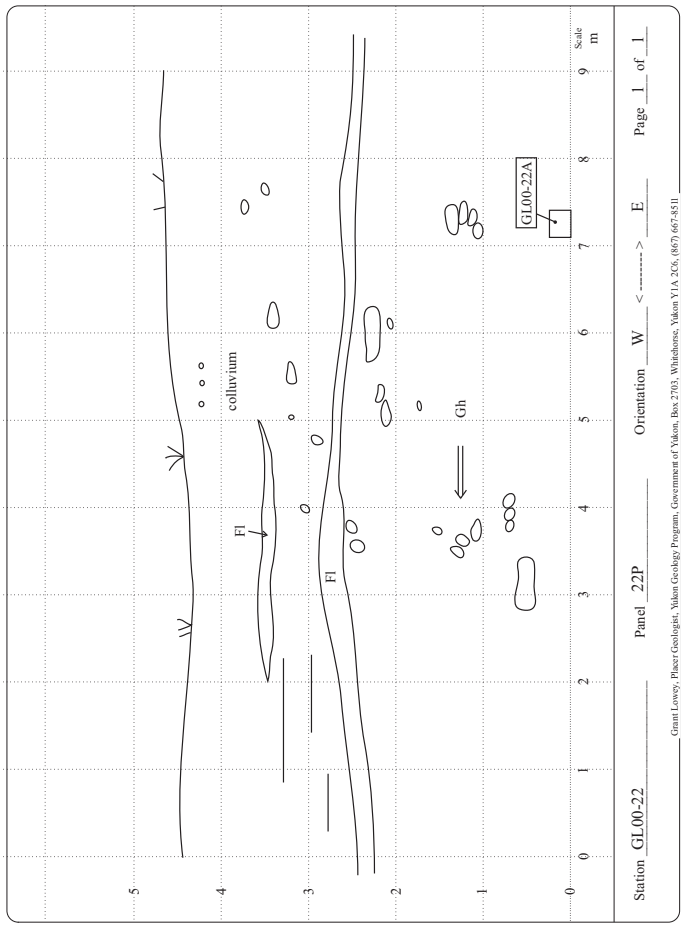

SECTION
Station GL00-20
Section 20S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Muck and colluvium
Fluvial
Fm,o
Gh
GB
GL00-20A
Light rusty brown
Massive to very crudely imbricated
Thickness (metres)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition

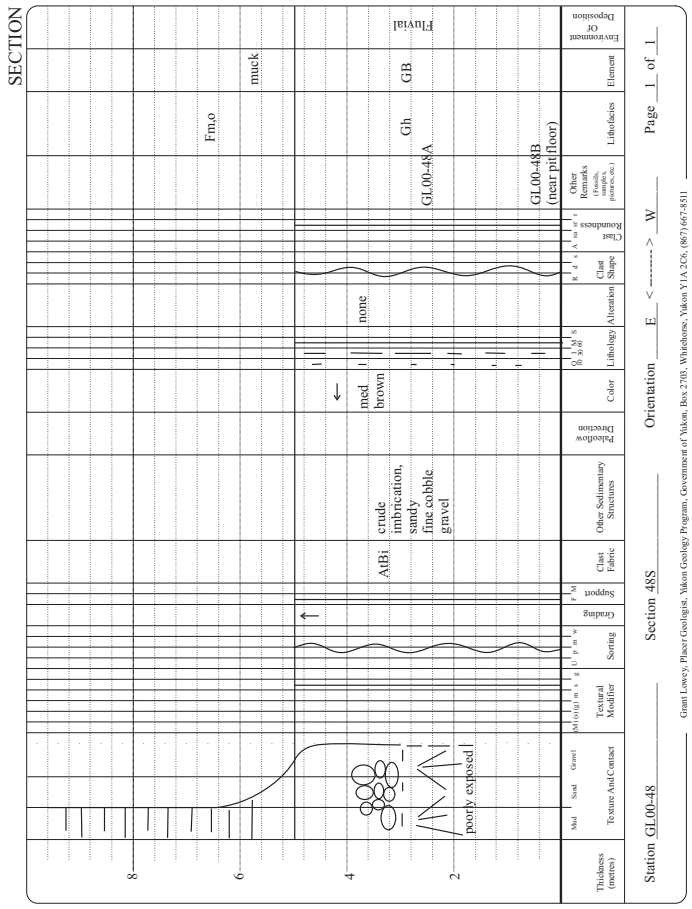

STATION
Station GL00-20
Date July 15, 2000
Section 20S
Panel 20P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 O/2
Stratigraphy/Age Pleistocene?
Scroggie Creek
Intermediate-level terrace
Creek/River Barker Creek
Glacial Interval Unglaciated
Tributary to Stewart River
Land form Intermediate-level terrace, paleoflood plain
Lat/Long 63 09 00 / 138 54 00
Bedrock Chlorite schist to gneiss
Owner/Operator Abandoned
Alteration
Other Fineness 89-5-905 (terrace about 20m above present creek).
SITE PLAN
Panel
Section
Pit
Barker Creek
NORTH

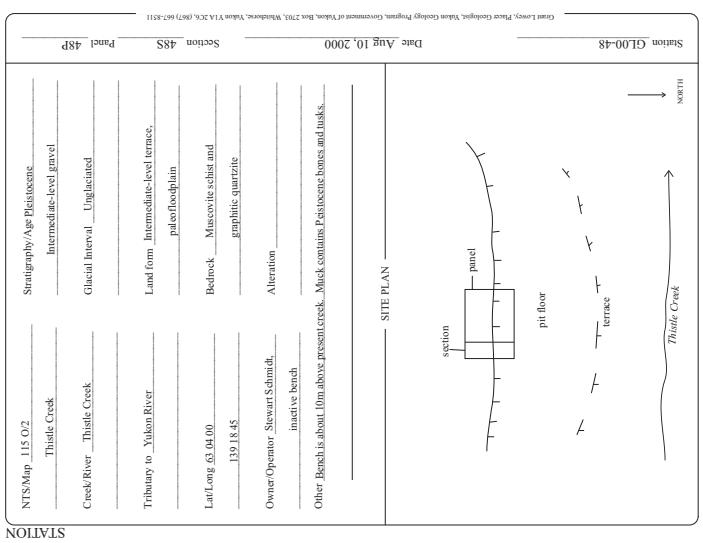

PANEL
Station GL00-20
Panel 20P
Orientation SW < ------- > NE
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
GL00-20A
Gh
muck and colluvium
Fm,o
covered
Scale m

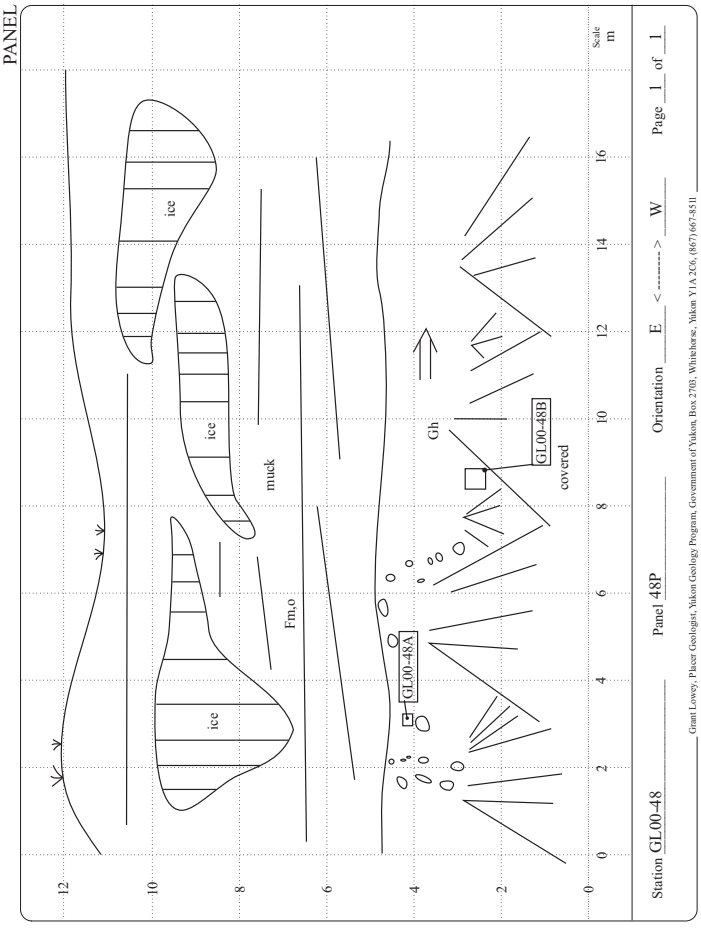

SECTION
Station GL00-22
Section 22S
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast Size
Other Remarks (features, samples, photos etc.)
Lithofacies
Element
Environment Of Deposition
colluvium
Fl
Gh
GB
fluvial
sandy coarse cobble gravel
AtBi imbrication
light yellow brown
GL00-22A

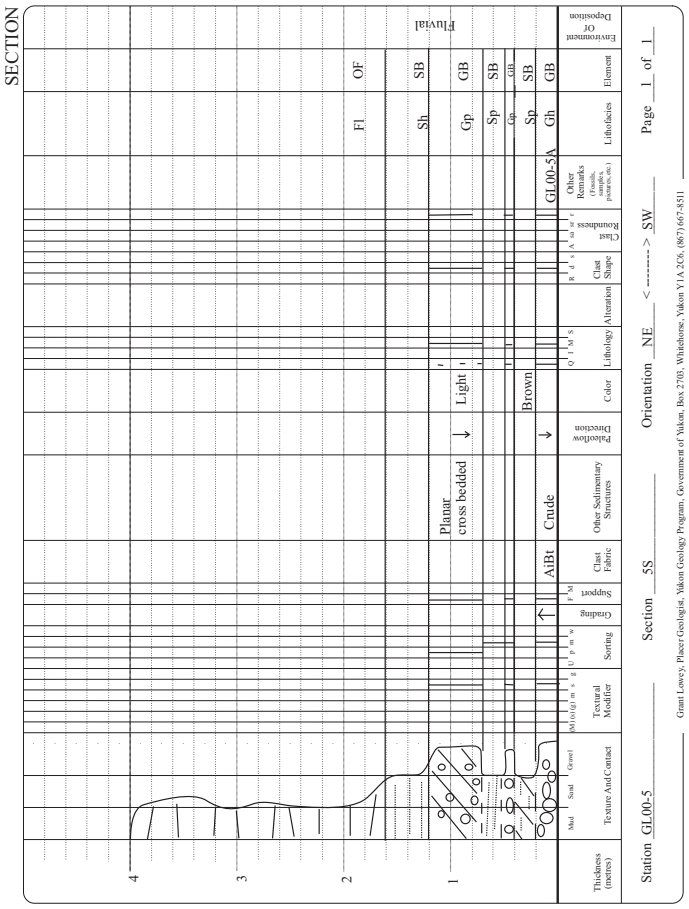

STATION
NTS/Map 115 O/3
Stratigraphy/Age Pleistocene
Thistle Creek
Intermediate-level gravel
Creek/River Kirkman Creek
Glacial Interval Unglaciated
Tributary to Yukon River
Land form Intermediate-level terrace, (~5m above creek), paleofloodplain
Lat/Long 63 01 00
139 18 00
Bedrock Chlorite-quartz schist
Owner/Operator Abandoned
Alteration None
Other Fineness 860-896
SITE PLAN
section
panel
pit floor
terrace
Kirkman Creek
NORTH
Station GL00-22
Date July 15, 2000
Section 22S
Panel 22P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

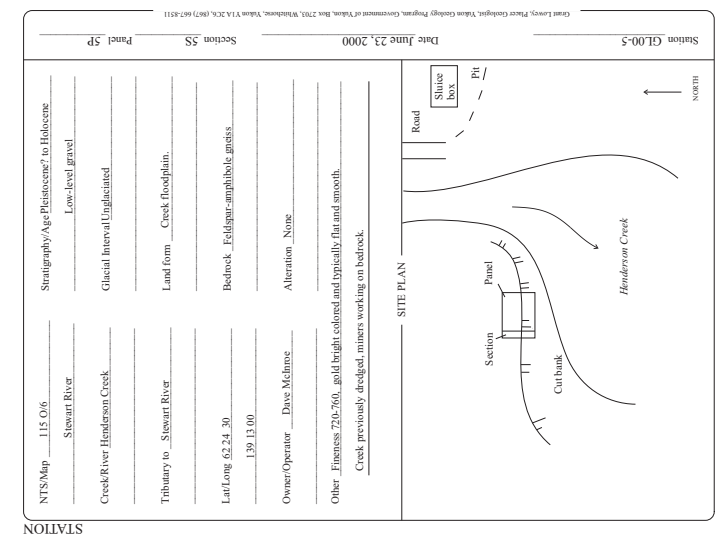

PANEL
colluvium
Fl
Fl
Gh
GL00-22A
Scale m
Station GL00-22
Panel 22P
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

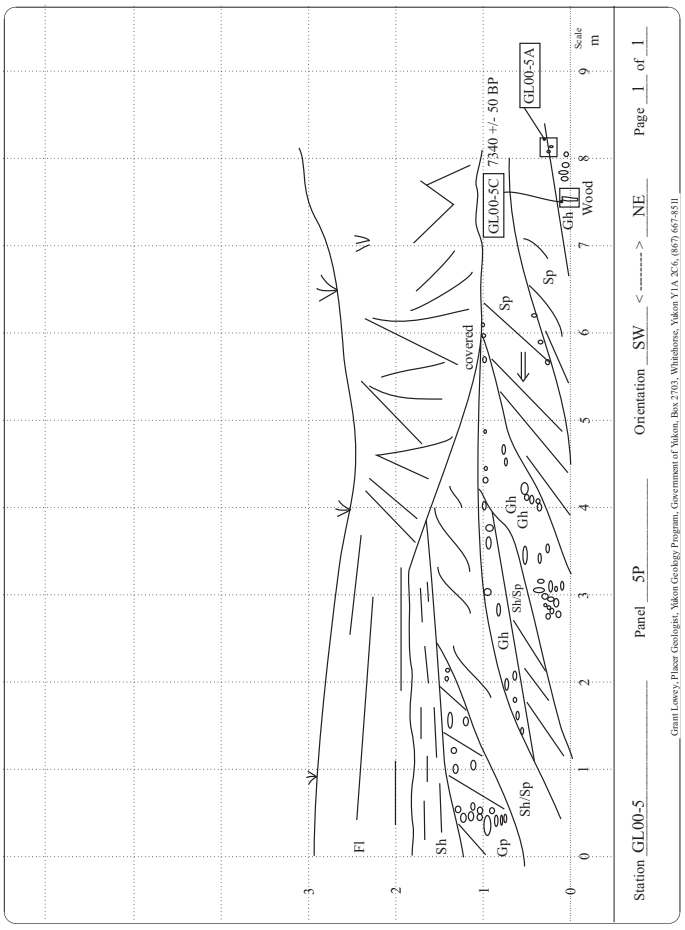

SECTION
Station GL00-48
Section 48S
Orientation E < ------- > W
Page 1 of 1
Thickness (metres)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Fm,o
muck
Gh
GB
fluvial
GL00-48A
GL00-48B
(near pit floor)
AtBi
crude imbrication, sandy fine cobble gravel
poorly exposed
med brown
none
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

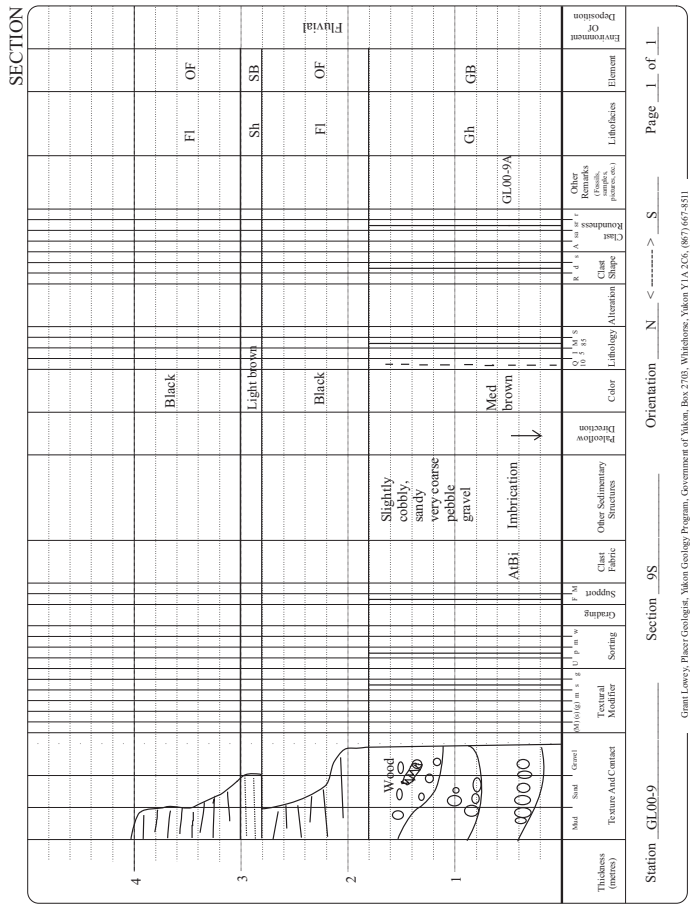

STATION
NTS/Map 115 O/2
Stratigraphy/Age Pleistocene
Thistle Creek
Intermediate-level gravel
Creek/River Thistle Creek
Glacial Interval Unglaciated
Tributary to Yukon River
Land form Intermediate-level terrace, paleo/floodplain
Lat/Long 63 04 00 139 18 45
Bedrock Muscovite schist and graphitic quartzite
Owner/Operator Stewart Schmidt, inactive bench
Alteration
Other Bench is about 10m above present creek. Muck contains Pleistocene bones and tusks.
SITE PLAN
Station GL00-48
Date Aug 10, 2000
Section 48S
Panel 48P
section
panel
pit floor
terrace
Thistle Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

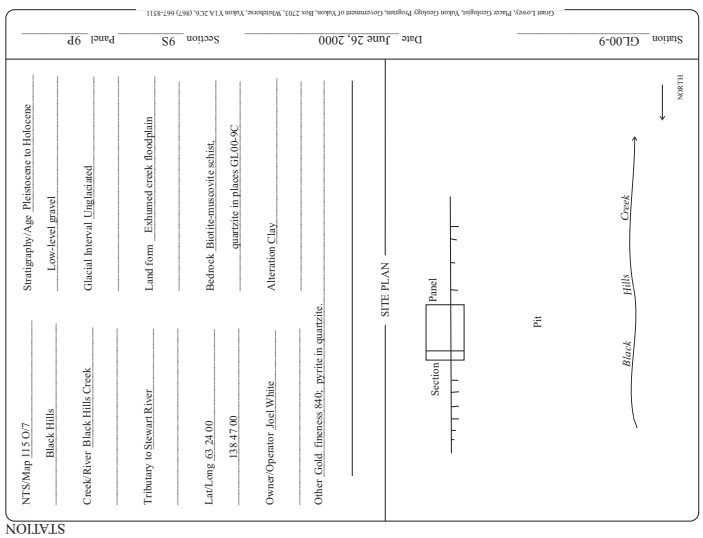

PANEL
ice
muck
Fm,o
Gh
GL00-48A
GL00-48B
covered
Scale m
Station GL00-48
Panel 48P
Orientation E < ------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

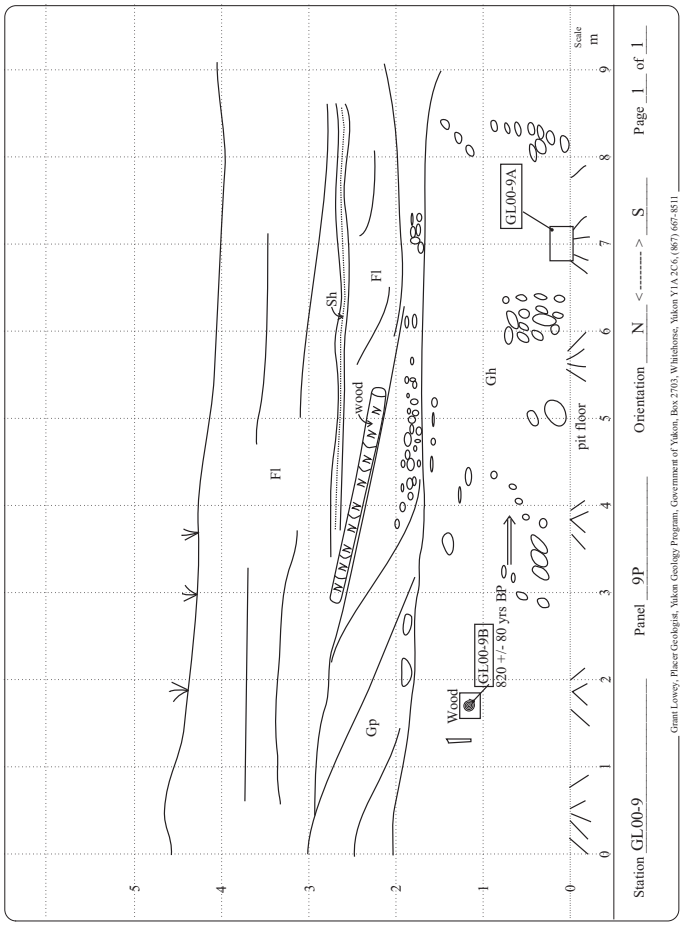

SECTION
Station GL00-5
Section 5S
Orientation NE < ------- > SW
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
AiBt
Cnude
Other Sedimentary Structures
Paleoflow Direction
Color
Light
Brown
Lithology
Alteration
Clast Shape
Roundness
Clast Size
Other Remarks (features, samples, photos etc.)
GL00-5A
Lithofacies
Element
Environment Of Deposition
Fluvial
Planar cross bedded
Sh
Gp
Sp
Gh
Fl
SB
GB
OF

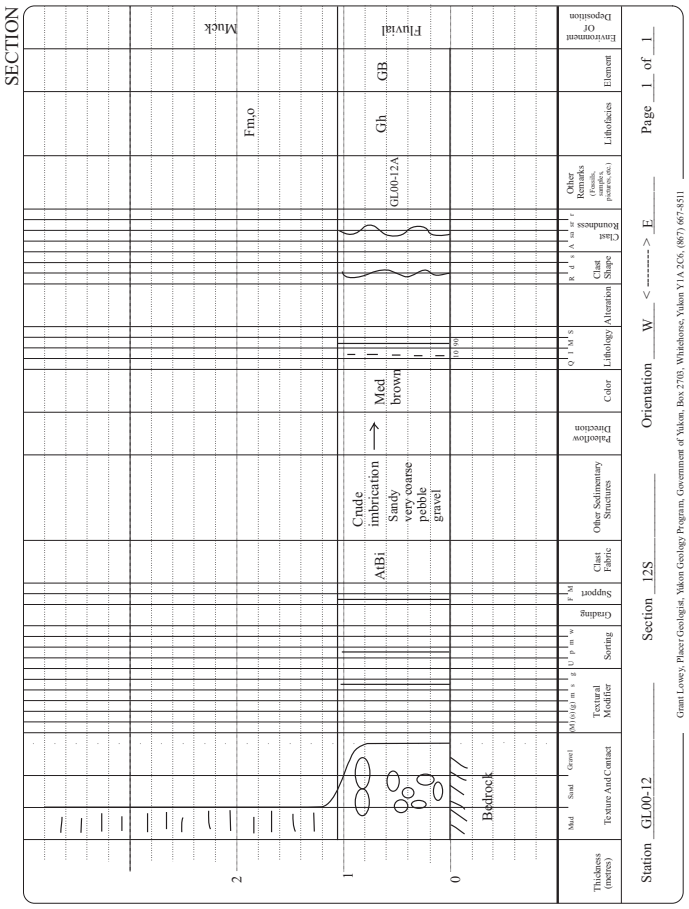

STATION
Station GL00-5
Date June 23, 2000
Section 5S
Panel 5P
NTS/Map 115 O/6
Stratigraphy/Age Pleistocene? to Holocene
Stewart River
Low-level gravel
Creek/River Henderson Creek
Glacial Interval Unglaciated
Tributary to Stewart River
Land form Creek floodplain
Bedrock Feldspar-amphibole gneiss
Lat/Long 62.24 30
139 13 00
Owner/Operator Dave McEntee
Alteration None
Other Fineness 720-760, gold bright colored and typically flat and smooth.
Creek previously dredged, miners working on bedrock.
SITE PLAN
Road
Sluice box
Pit
Panel
Section
Cut bank
Henderson Creek
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

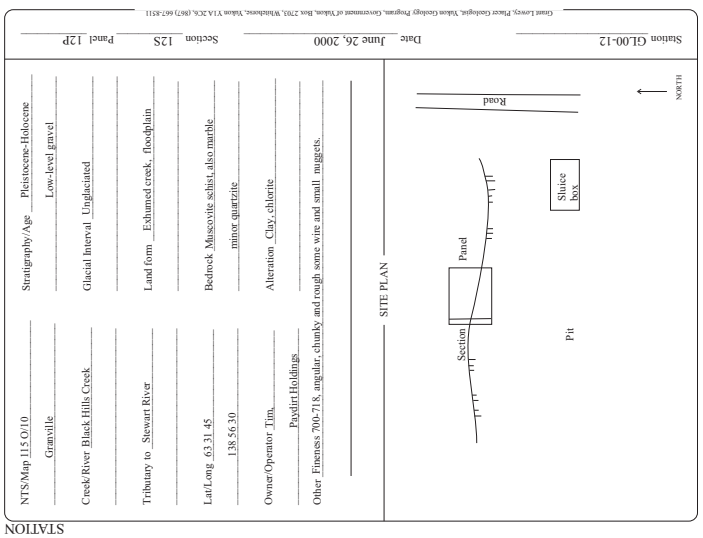

PANEL
Station GL00-5
Panel 5P
Orientation SW < ------- > NE
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fl
Sh
Gp
Sh/Sp
Gh
Sp
covered
GL00-5C
7340 +/- 50 BP
GL00-5A
Wood
Scale m

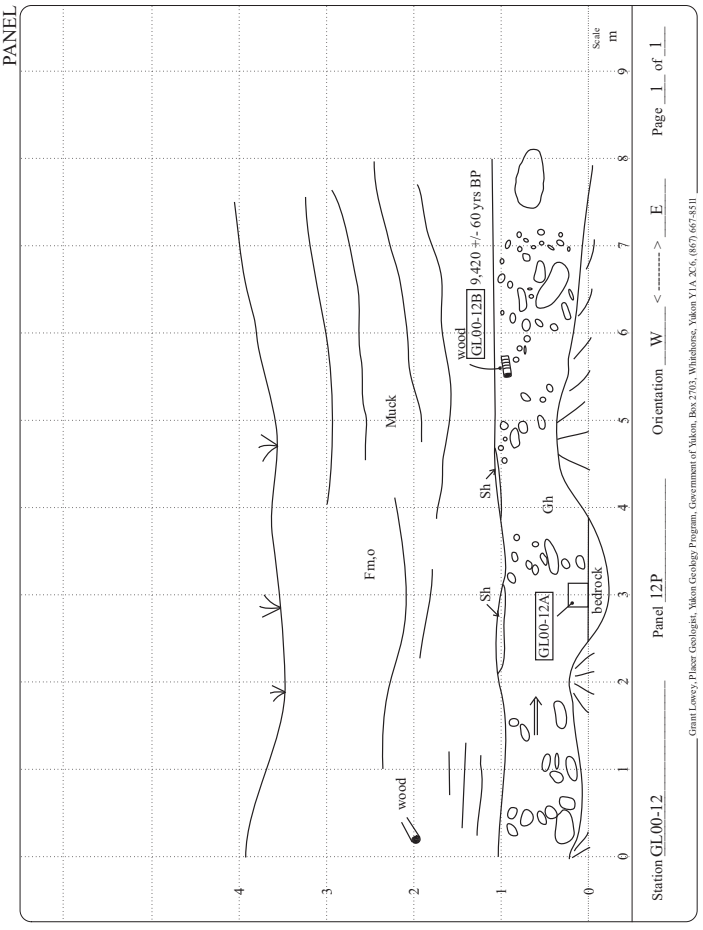

SECTION
Station GL00-9
Section 9S
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Fl
OF
Sh
SB
Black
Light brown
Fluvial
Slightly cobbly, sandy very coarse pebble gravel
Wood
Imbrication
AtBi
Gh
GB
Med brown
GL00-9A

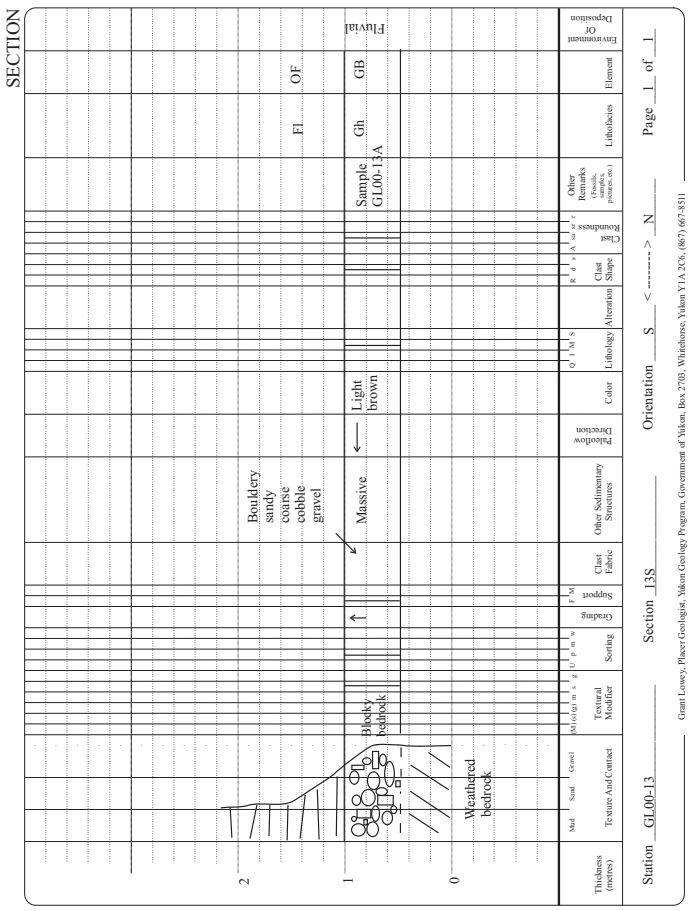

STATION
NTS/Map 115 O/7
Stratigraphy/Age Pleistocene to Holocene
Black Hills
Low-level gravel
Creek/River Black Hills Creek
Glacial Interval Unglaciated
Tributary to Stewart River
Land form Exhumed creek floodplain
Lat/Long 63 24 00
138 47 00
Bedrock Biotite-muscovite schist,
quartzite in places GL00-9C
Owner/Operator Joel White
Alteration Clay
Other Gold fineness 840; pyrite in quartzite
SITE PLAN
Section
Panel
Pit
Black Hills Creek
NORTH
Station GL00-9
Date June 26, 2000
Section 9S
Panel 9P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

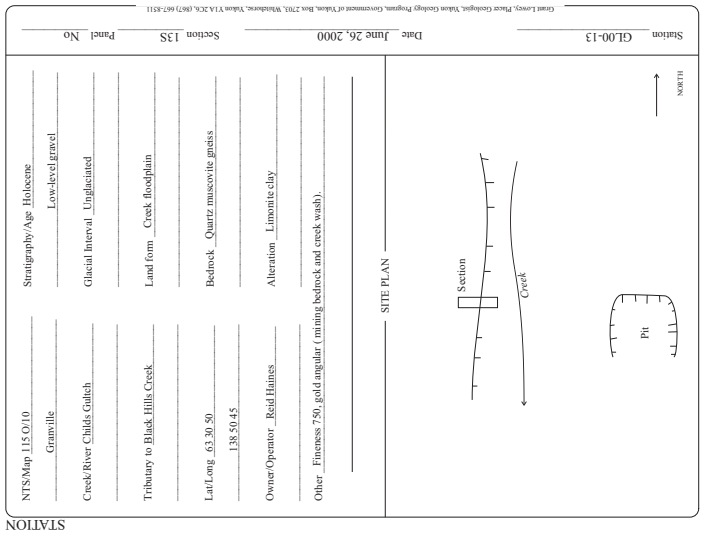

PANEL
Station GL00-9
Panel 9P
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
Fl
Sh
Gp
Gh
Wood
GL00-9B
820 +/- 80 yrs BP
pit floor
GL00-9A


SECTION
Station GL00-12
Section 12S
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Unimodal
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast
Other Remarks (GL samples, photos etc.)
Lithofacies
Element
Environment Of Deposition
Bedrock
Crude imbrication
Sandy very coarse pebble gravel
AtBi
Med brown
GL00-12A
Gh
GB
Fluvial
Fm,o
Muck


STATION
NTS/Map 115 O/10
Granville
Creek/River Black Hills Creek
Tributary to Stewart River
Lat/Long 63 31 45
138 56 30
Owner/Operator Tim
Paydirt Holdings
Other Fineness 700-718, angular, chunky and rough some wire and small nuggets.
Stratigraphy/Age Pleistocene-Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Exhumed creek, floodplain
Bedrock Muscovite schist, also marble
minor quartzite
Alteration Clay, chlorite
SITE PLAN
Road
Panel
Section
Sluice box
Pit
NORTH
Station GL00-12
Date June 26, 2000
Section 12S
Panel 12P
Great Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
Station GL00-12
Panel 12P
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Scale m
wood
Fm,o
Muck
Sh
GL00-12A
bedrock
Gh
wood
GL00-12B
9,420 +/- 60 yrs BP


SECTION
Bouldery sandy coarse cobble gravel
Massive
Light brown
Sample GL00-13A
Gh
GB
Fl
OF
Fluvial
Blocky bedrock
Weathered bedrock
2
1
0
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Cradling
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition
Station GL00-13
Section 13S
Orientation S < ------ > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 O/10
Stratigraphy/Age Holocene
Granville
Low-level gravel
Creek/River Childs Gulch
Glacial Interval Unglaciated
Tributary to Black Hills Creek
Land form Creek floodplain
Lat/Long 63 30 50
138 50 45
Bedrock Quartz muscovite gneiss
Owner/Operator Reid Haines
Alteration Limonite clay
Other Fineness 750, gold angular (mining bedrock and creek wash).
SITE PLAN
Section
Creek
Pit
NORTH
Station GL00-13
Date June 26, 2000
Section 13S
Panel
No
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 O/2 — Stratigraphy/Age Pleistocene-Holocene

Scroggie Creek — Low-level gravel

Creek/River Scroggie Creek — Glacial Interval Unglaciated

Tributary to Stewart River — Land form Low-level terrace

creek flood plain

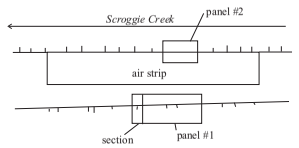
Lat/Long 63 02 00 — Bedrock Marble, amphibole skarn

138 36 00 — with pyrite

Owner/Operator Bear Creek Placers — Alteration Clay

Other Fineness 900, gold bright in color, round and chunky with varying sizes.

SITE PLAN

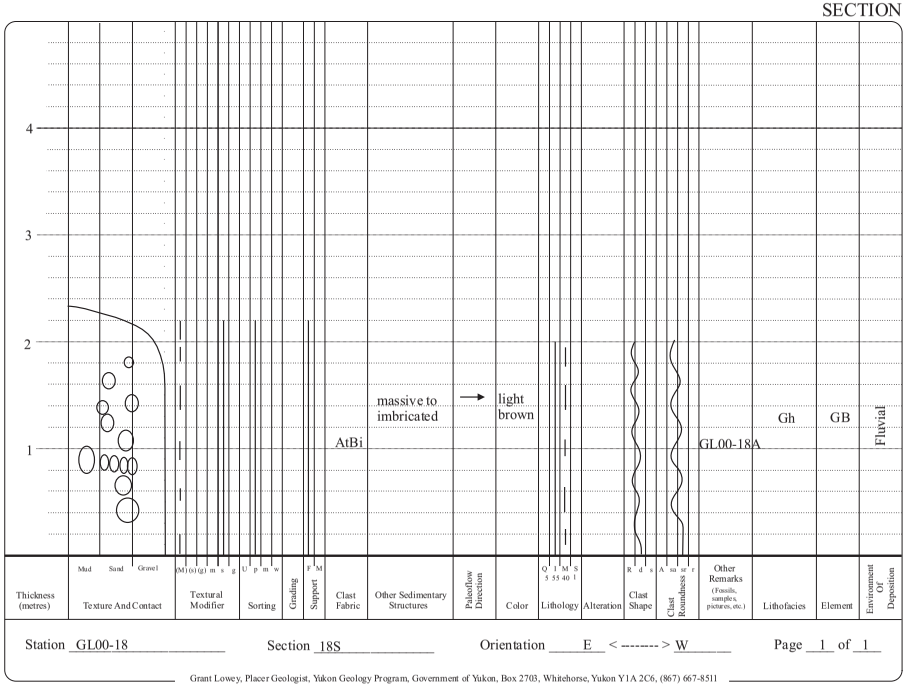


NORTH

Station GL00-18 — Section 18S — Panel 18P — Date July 15, 2000

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION

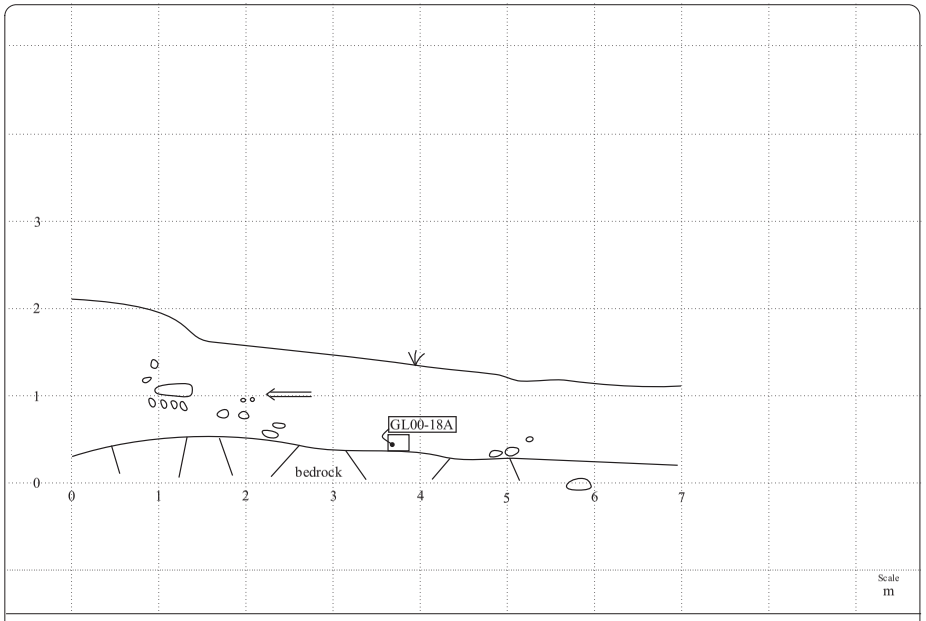


Thickness (metres)	Texture And Contact (Mud, Sand, Gravel)	Textural Modifier	Sorting	Grading	Support	Clast Fabric	Other Sedimentary Structures	Paleoflow Direction	Color	Lithology	Alteration	Clast Shape	Clast Roundness	Other Remarks (Fossils, samples, pictures, etc.)	Lithofacies	Element	Environment Of Deposition

Station GL00-18 — Section 18S — Orientation E < -------- > W — Page 1 of 1

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

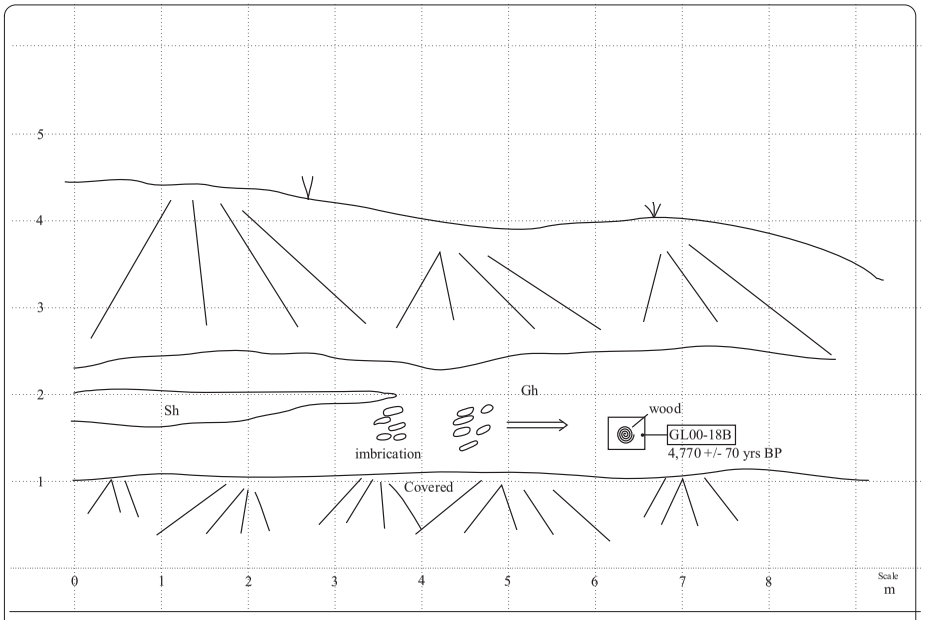
PANEL



Station GL00-18 — Panel 18P #1 — Orientation E < -------- > W — Page 1 of 1

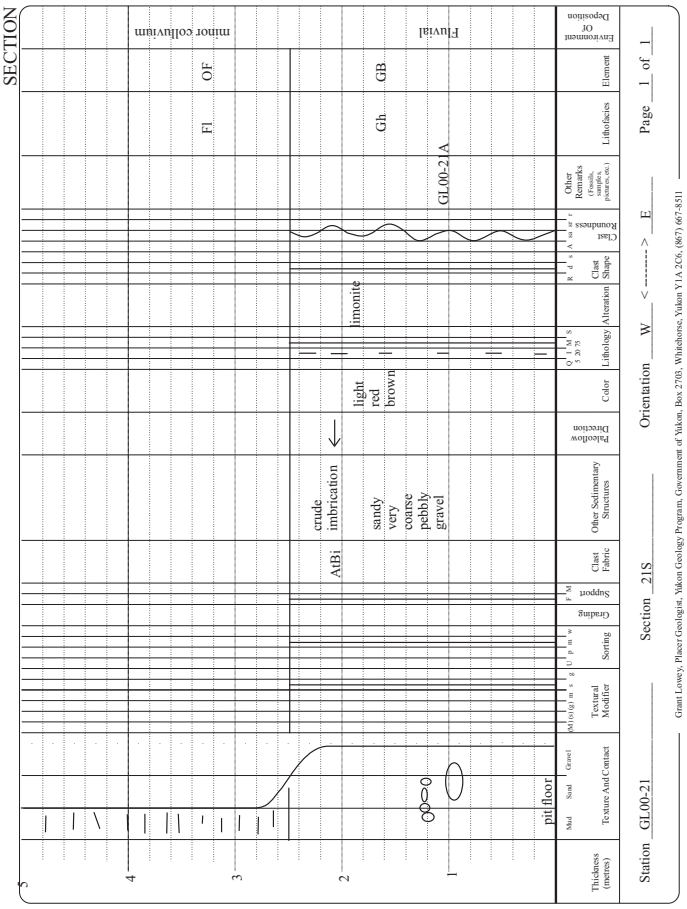
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

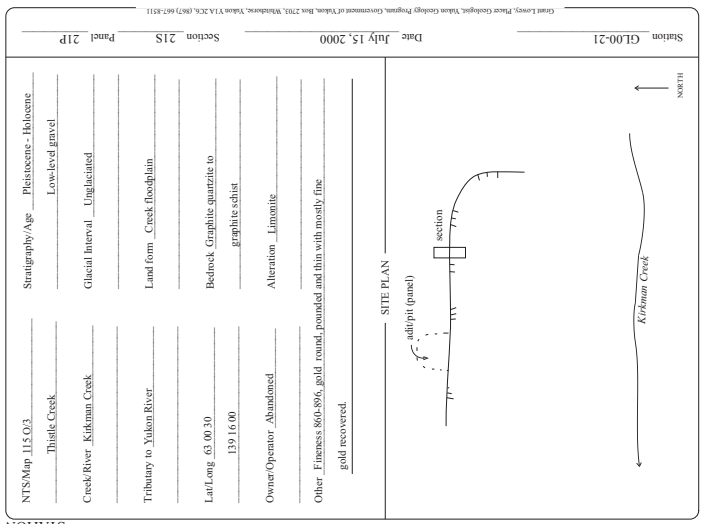
PANEL

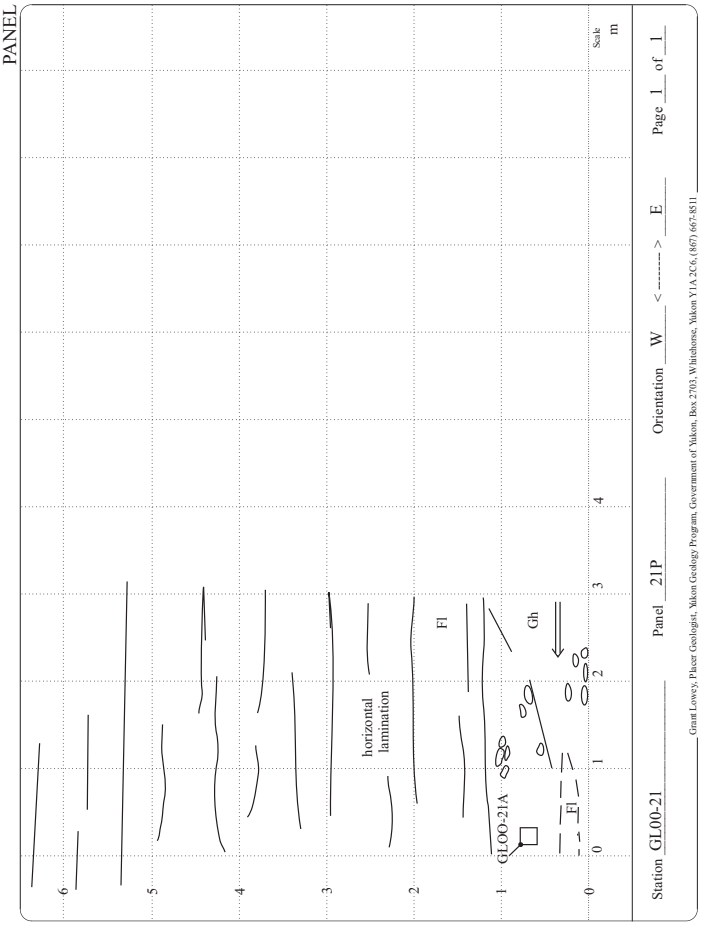


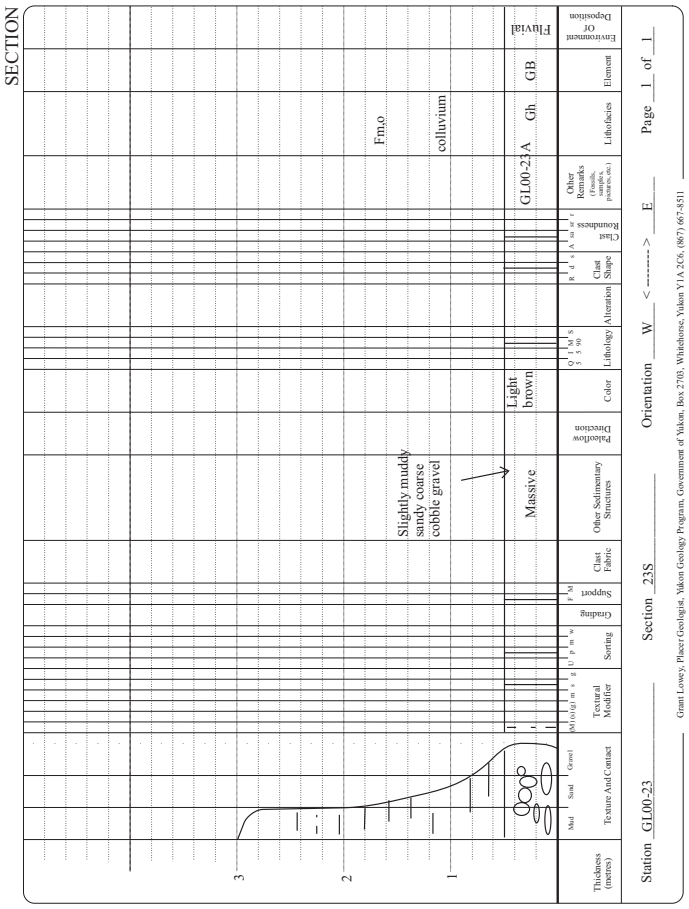
Station GL00-18 — Panel 18P #2 — Orientation W < -------- > E — Page 1 of 1

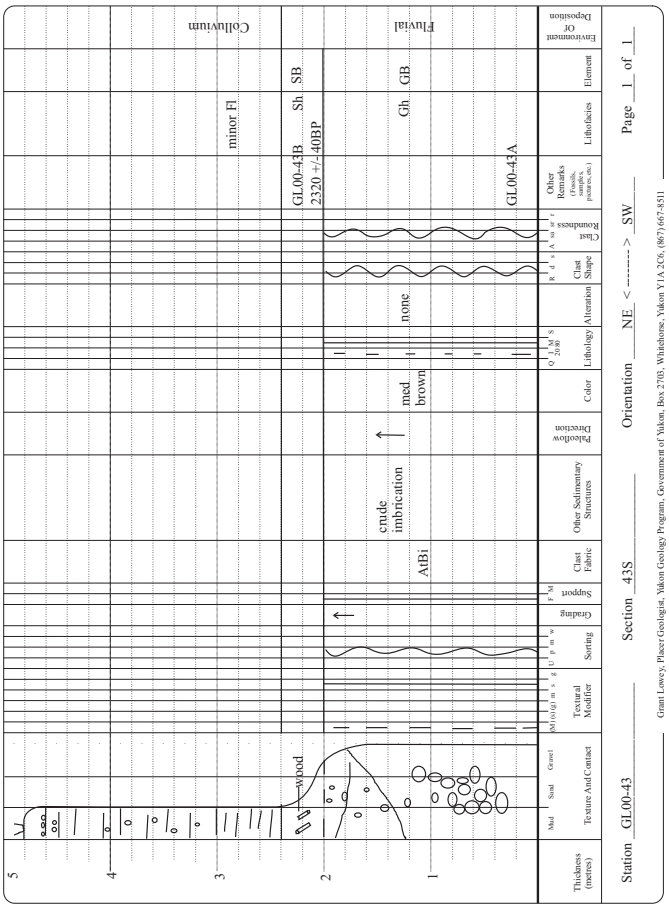
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL00-21
Section 21S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
pit floor
crude imbrication
AtBi
sandy very coarse pebbly gravel
light red brown
limonite
GL00-21A
Gh
GB
Fl
OF
fluvial
minor colluvium


STATION
NTS/Map 115 O/3
Stratigraphy/Age Pleistocene - Holocene
Thistle Creek
Low-level gravel
Creek/River Kirkman Creek
Glacial Interval Unglaciated
Tributary to Yukon River
Land form Creek floodplain
Lat/Long 63 00 30
139 16 00
Bedrock Graphite quartzite to graphite schist
Owner/Operator Abandoned
Alteration Limonite
Other Fineness 860-896, gold round, pounded and thin with mostly fine gold recovered.
SITE PLAN
adit/pit (panel)
section
Kirkman Creek
NORTH
Station GL00-21
Date July 15, 2000
Section 21S
Panel 21P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
Station GL00-21
Panel 21P
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
GL00-21A
horizontal lamination
Fl
Gh
Scale m

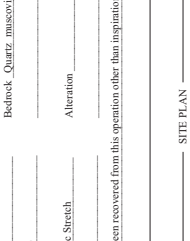




STATION

NTS/Map 115 O/3 Stratigraphy/Age Holocene
Thistle Creek Low-level gravel
Creek/River Frisco Creek Glacial Interval Unglaciated
Tributary to Yukon River Land form Gulch floodplain
Lat/Long 63 12 00 Bedrock Quartz muscovite schist
139 27 00
Owner/Operator Eric Stretch Alteration
Other No gold has been recovered from this operation other than inspiration pieces from test operation.

SITE PLAN



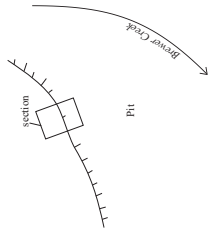
Station GL00-23 Date July 15, 2000 Section 23S Panel No
NORTH

Grant Lowcy, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

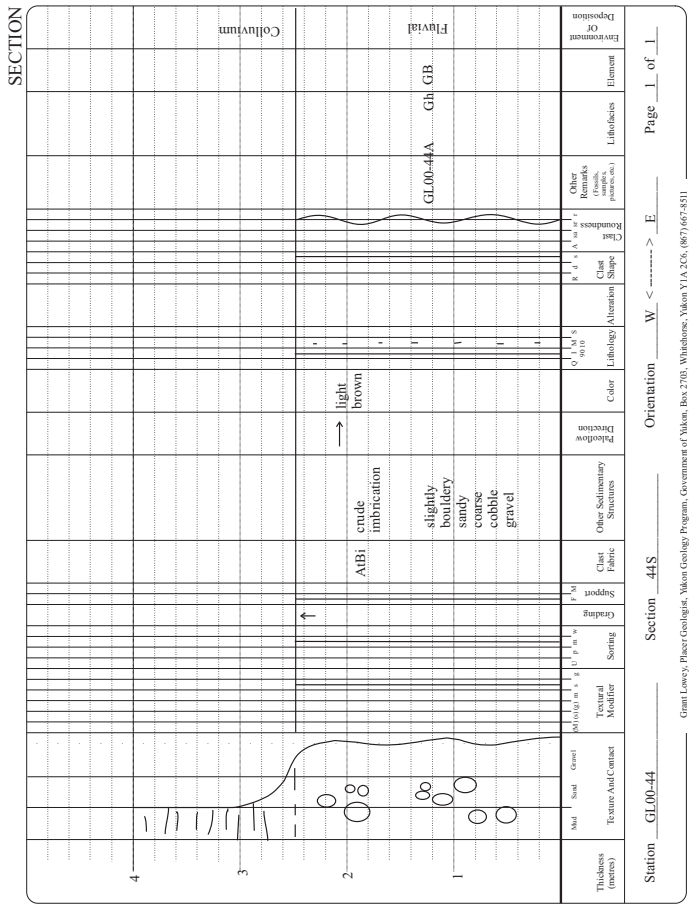
NTS/Map 115 O/3 Stratigraphy/Age Pleistocene - Recent
Thistle Creek Low-level gravel
Creek/River Brewer Creek Glacial Interval Unglaciated
Tributary to Stewart River Land form Creek floodplain
Lat/Long 63 09 00 Bedrock Quartzite to
139 02 30 quartz-muscovite schist
Owner/Operator Inactive Alteration None
Other

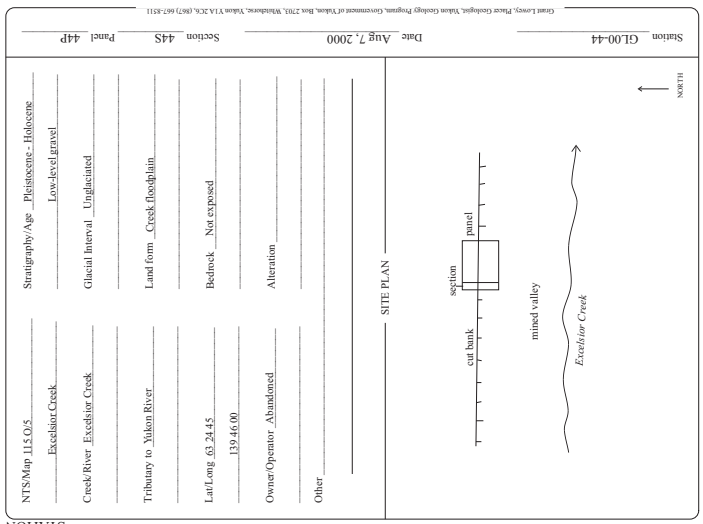
SITE PLAN

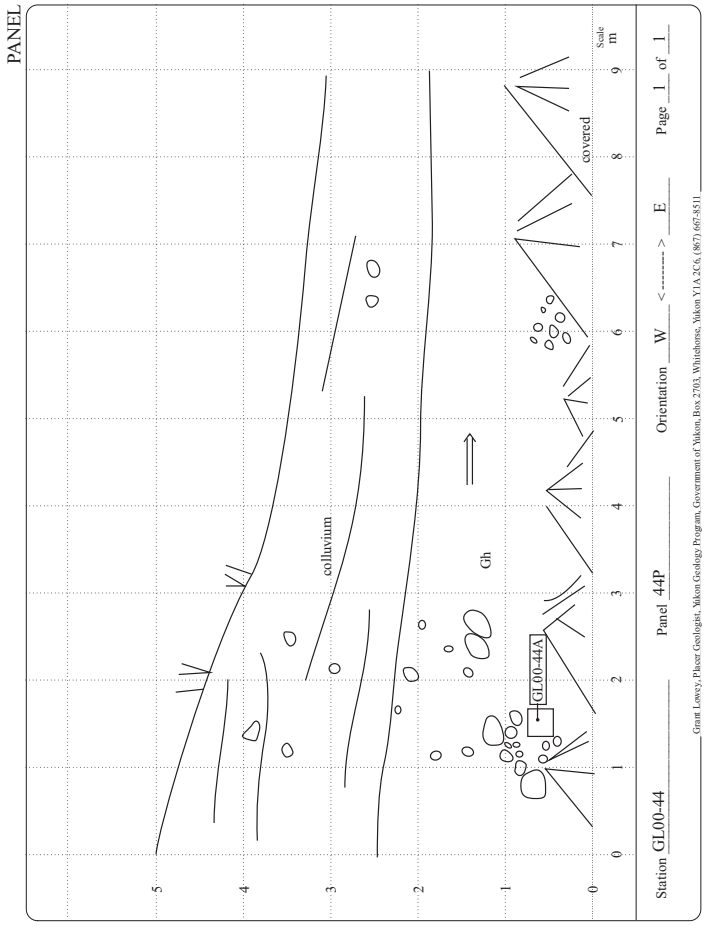


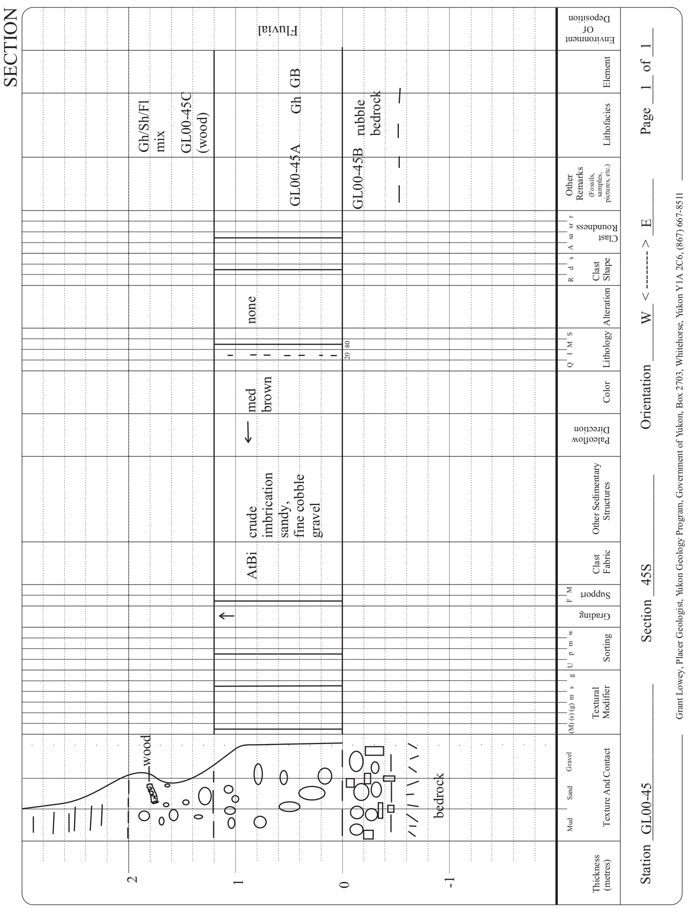
Station GL00-43 Date Aug 7, 2000 Section 43S Panel No
NORTH

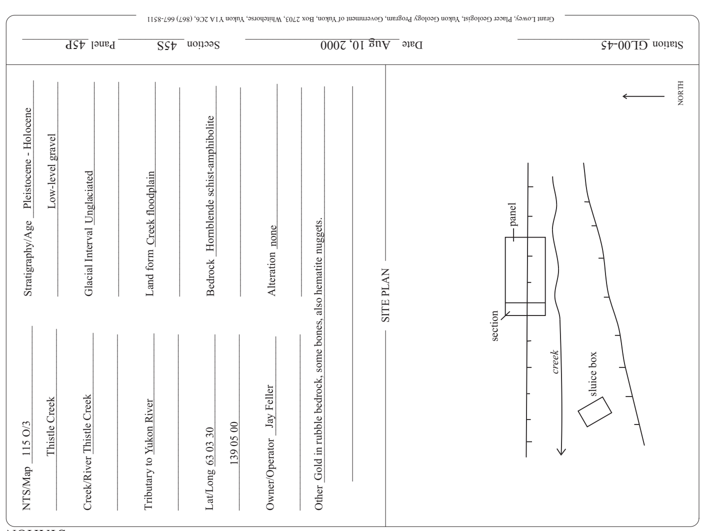
Grant Lowcy, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

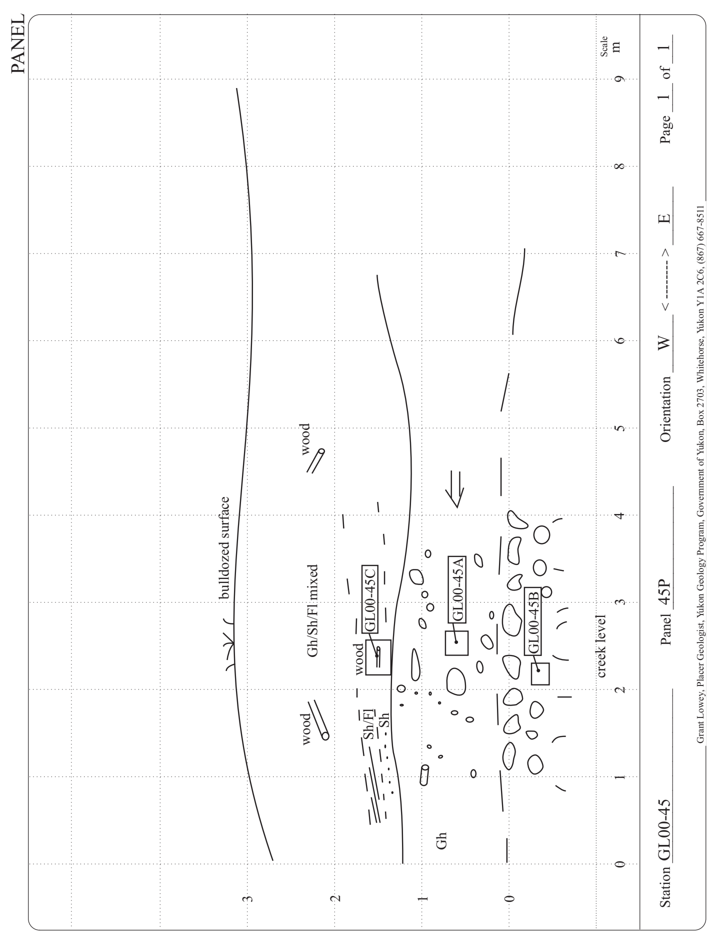

SECTION
Station GL00-44 Section 44S Orientation W < ------ > E Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Colluvium
Fluvial
GL00-44A
Gh
GB
light brown
crude imbrication
AtBi
slightly bouldery
sandy
coarse
cobble
gravel
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Cranbing
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition

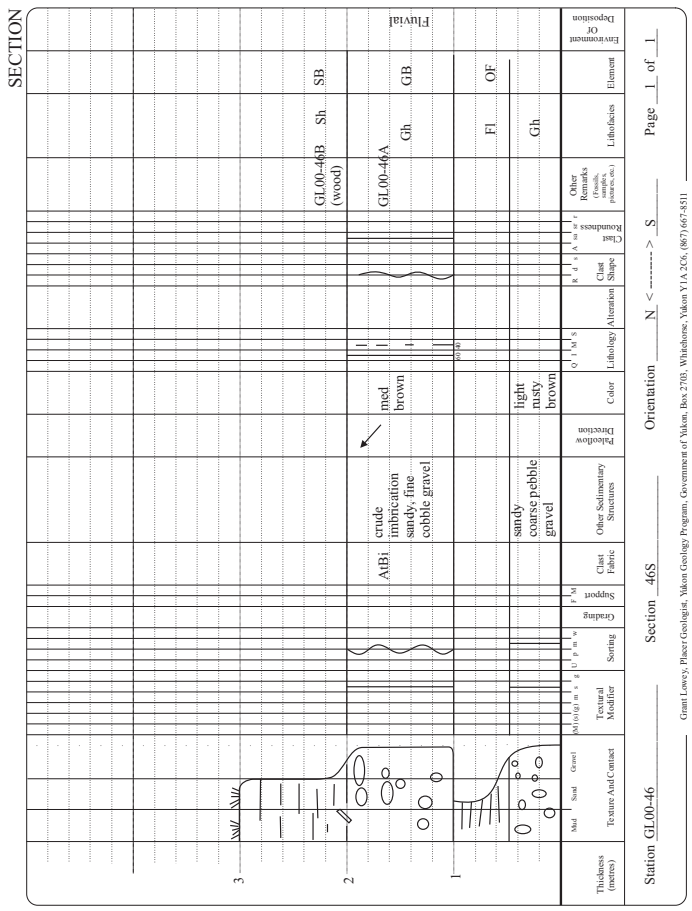

STATION
NTS/Map 115 O/5
Stratigraphy/Age Pleistocene - Holocene
Excelsior Creek
Low-level gravel
Creek/River Excelsior Creek
Glacial Interval Unglaciated
Tributary to Yukon River
Land form Creek floodplain
Lat/Long 63 24 45
139 46 00
Bedrock Not exposed
Owner/Operator Abandoned
Alteration
Other
SITE PLAN
section
panel
cut bank
mined valley
Excelsior Creek
NORTH
Station GL00-44
Date Aug 7, 2000
Section 44S
Panel 44P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

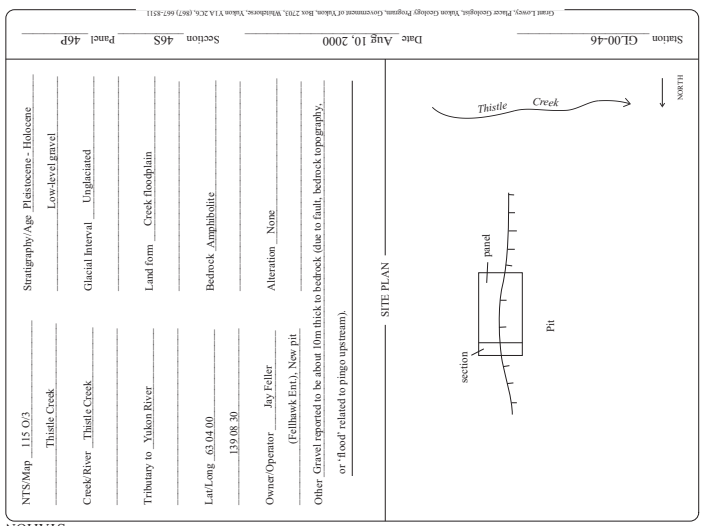

PANEL
Station GL00-44 Panel 44P Orientation W < ------ > E Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
colluvium
Gh
GL00-44A
covered
Scale m

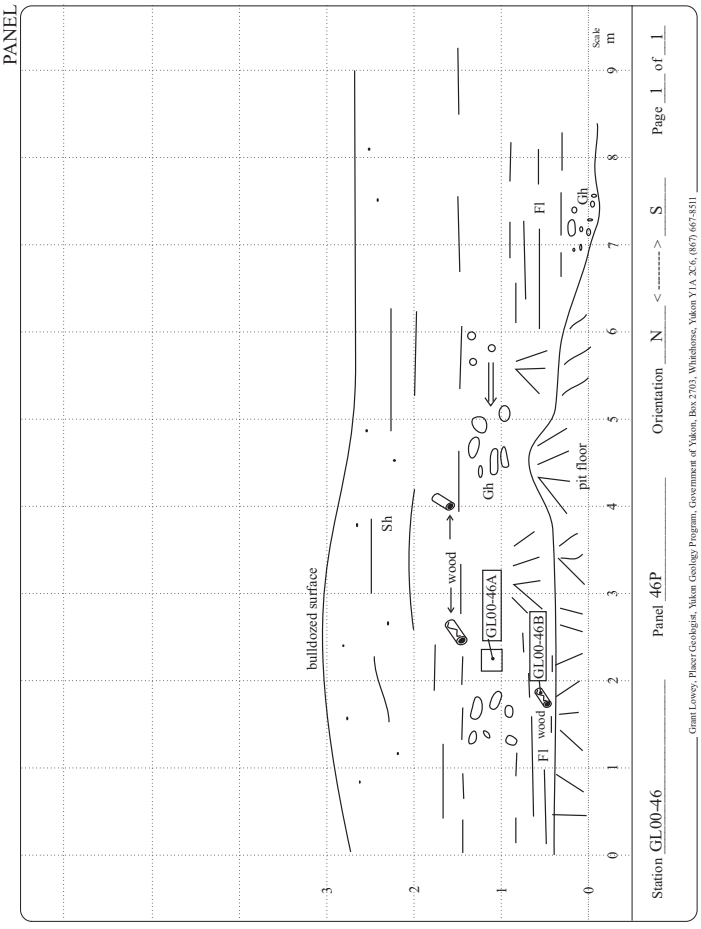

SECTION
Station GL00-45
Section 45S
Orientation W <-------> E
Page 1 of 1
wood
bedrock
AtBi
crude imbrication sandy, fine cobble gravel
med brown
none
GL00-45A
GL00-45B
Gh/Sh/Fl mix
GL00-45C (wood)
Gh GB
rubble bedrock
Fluvial
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

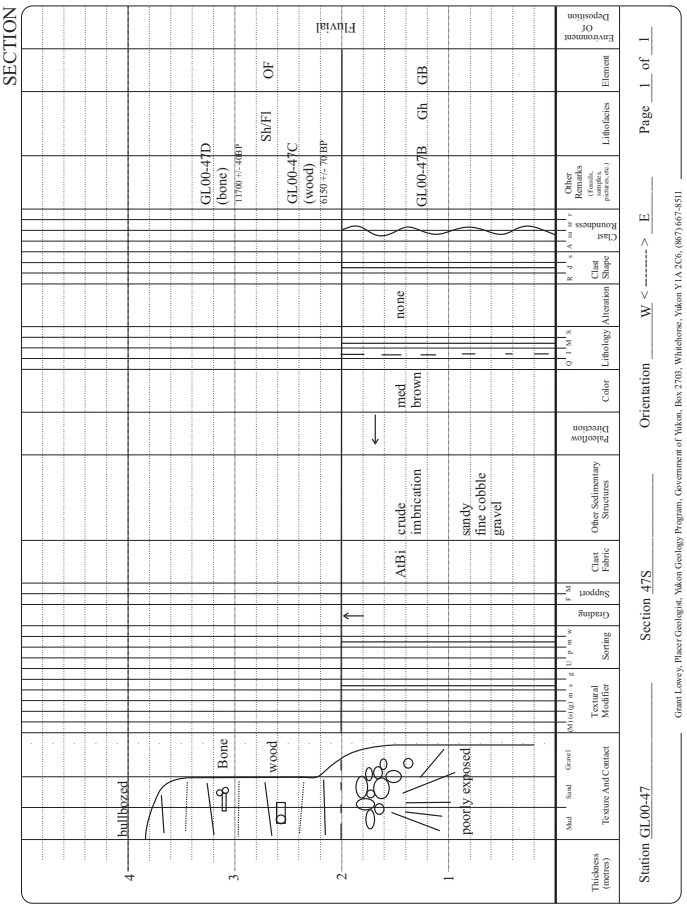

STATION
Station GL00-45
Date Aug 10, 2000
Section 45S
Panel 45P
NTS/Map 115 O/3
Thistle Creek
Creek/River Thistle Creek
Tributary to Yukon River
Lat/Long 63 03 30
139 05 00
Owner/Operator Jay Feller
Other Gold in rubble bedrock, some bones, also hematite nuggets.
Stratigraphy/Age Pleistocene - Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Creek floodplain
Bedrock Hornblende schist-amphibolite
Alteration none
SITE PLAN
NORTH
panel
section
creek
sluice box
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

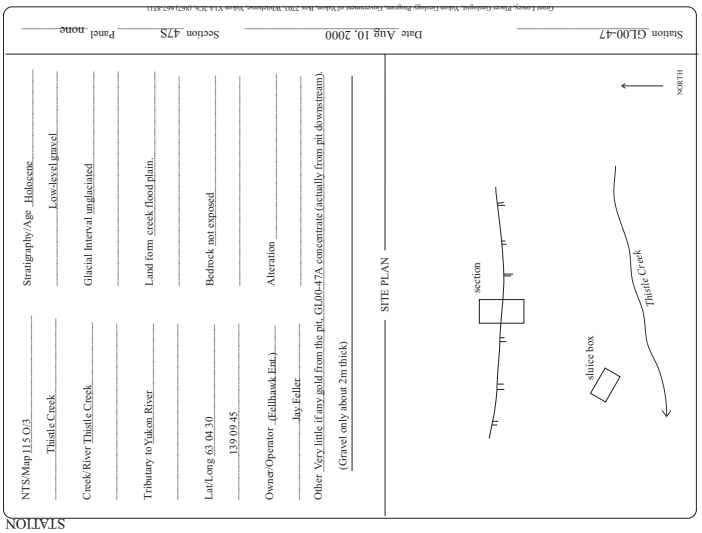

PANEL
bulldozed surface
wood
Gh/Sh/Fl mixed
GL00-45C
GL00-45A
GL00-45B
Sh/Fl
Sh
Gh
creek level
Station GL00-45
Panel 45P
Orientation W <-------> E
Page 1 of 1
Scale m
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL00-46
Section 46S
Orientation N < ------- > S
Page 1 of 1
GL00-46B (wood)
Sh
SB
GL00-46A
Gh
GB
Fl
OF
Gh
Fluvial
crude imbication
sandy, fine cobble gravel
AtBi
med brown
light rusty brown
sandy coarse pebble gravel
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 O/3
Stratigraphy/Age Pleistocene - Holocene
Thistle Creek
Low-level gravel
Creek/River Thistle Creek
Glacial Interval Unglaciated
Tributary to Yukon River
Land form Creek floodplain
Lat/Long 63 04 00
139 08 30
Bedrock Amphibolite
Owner/Operator Jay Feller
(Fellhawk Ent.); New pit
Alteration None
Other Gravel reported to be about 10m thick to bedrock (due to fault, bedrock topography, or 'flood' related to pingo upstream).
SITE PLAN
Thistle Creek
NORTH
panel
section
Pit
Station GL00-46
Date Aug 10, 2000
Section 46S
Panel 46P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
bulldozed surface
Sh
wood
GL00-46A
GL00-46B
Gh
pit floor
Fl
Gh
Scale m
Station GL00-46
Panel 46P
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL00-47
Section 47S
Orientation W < ------- > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fluvial
bullbozed
Bone
wood
poorly exposed
GL00-47D (bone) 11700 +/- 70 BP
GL00-47C (wood) 6150 +/- 70 BP
Sh/Fl
OF
AtBi
crude imbrication
med brown
sandy fine cobble gravel
none
GL00-47B
Gh
GB
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Cradnig
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast
Other Remarks (Fossils, samples, photos etc)
Lithofacies
Element
Environment Of Deposition


STATION
NTS/Map 115 O/3
Stratigraphy/Age Holocene
Thistle Creek
Low-level gravel
Creek/River Thistle Creek
Glacial Interval unglaciated
Tributary to Yukon River
Land form creek flood plain
Bedrock not exposed
Lat/Long 63 04 30
139 09 45
Owner/Operator (Fellhawk Ent.)
Jay Feller
Alteration
Other Very little if any gold from the pit. GL00-47A concentrate (actually from pit downstream).
(Gravel only about 2m thick)
SITE PLAN
section
sluice box
Thistle Creek
NORTH
Station GL00-47
Date Aug 10, 2000
Section 47S
Panel none
Great Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION
Station GL00-49
Section 49S
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fluvial
slightly bouldery sandy coarse cobble gravel
med brown
GL00-49A
Gh
GB
Thickness (metres)
Mud
Sand
Gravel
Texture And Contact
Textural Modifier
Sorting
Cradnig
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Clast
Other Remarks (Fossils, samples, photos etc)
Lithofacies
Element
Environment Of Deposition

STATION
NTS/Map 115 O/3
Stratigraphy/Age Holocene
Thistle Creek
Low-level gravel
Creek/River An unnamed creek
Glacial Interval Unglaciated
Tributary to Thistle Creek
Land form Creek floodplain
Bedrock Not exposed
Lat/Long 63 04 00
139 08 30
Owner/Operator Peter Walsh
inactive pit
Alteration
Other
SITE PLAN
section
pit floor
an unnamed creek
NORTH
Station GL00-49
Date Aug 11, 2000
Section 49S
Panel No
Great Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 O/3 — Stratigraphy/Age Pleistocene - Recent

Thistle Creek — Low-level gravel

Creek/River Thistle Creek — Glacial Interval Unglaciated

Tributary to Yukon River — Land form Creek floodplain (just below pingo)

Lat/Long 63 03 30 — Bedrock Pyroxenite?

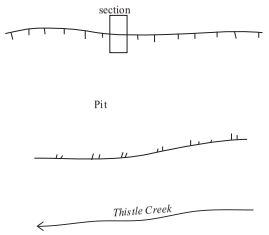
139 10 00

Owner/Operator Jay Feller — Alteration None

Fellhawk Ent. (abandoned)

Other Concentrate sample GL00-47.

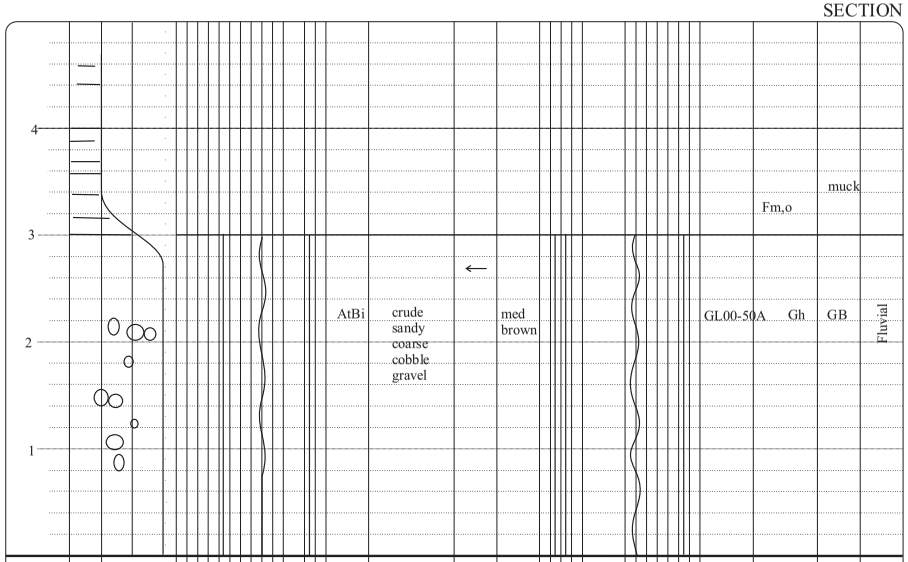
SITE PLAN



Station GL00-50 — Section 50S — Panel No — Date Aug 11, 2000

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION



Thickness (metres) | Texture And Contact (Mud, Sand, Gravel) | Textural Modifier (M (s) (g) m s g) | Sorting (U p m w) | Grading | Support (F M) | Clast Fabric | Other Sedimentary Structures | Paleoflow Direction | Color | Lithology (Q 30 I 70 M S) | Alteration | Clast Shape (R d s A) | Clast Roundness (sa sr r) | Other Remarks (Fossils, samples, pictures, etc.) | Lithofacies | Element | Environment Of Deposition

Station GL00-50 — Section 50S — Orientation W < ------- > E — Page 1 of 1

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 O/3 — Stratigraphy/Age Holocene

Thistle Creek — Low-level gravel

Creek/River LuLu Creek — Glacial Interval Unglaciated

Tributary to Thistle Creek — Land form Creek floodplain

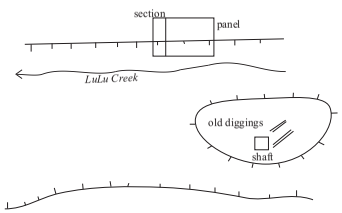
Lat/Long 63 03 00 — Bedrock Diorite/gneiss contact

139 11 00 — (pyrite in diorite)

Owner/Operator Merrit Sager — Alteration None

Other

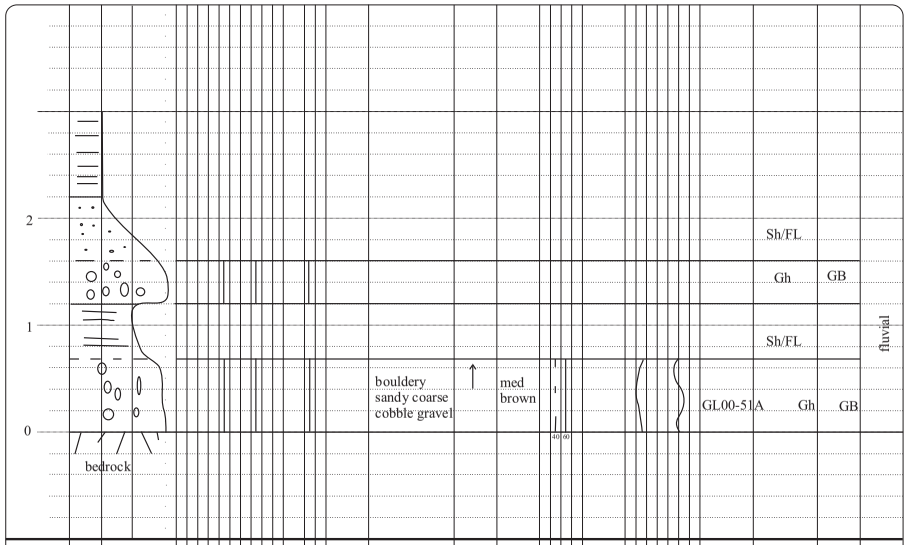
SITE PLAN



Station GL00-51 — Section 51S — Panel 51P — Date Aug 11, 2000

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

SECTION



Thickness (metres) | Texture And Contact (Mud, Sand, Gravel) | Textural Modifier (M (s) (g) m s g) | Sorting (U p m w) | Grading | Support (F M) | Clast Fabric | Other Sedimentary Structures | Paleoflow Direction | Color | Lithology (Q I M S) | Alteration | Clast Shape (R d s A) | Clast Roundness (sa sr r) | Other Remarks (Fossils, samples, pictures, etc.) | Lithofacies | Element | Environment Of Deposition

Station GL00-51 — Section 51S — Orientation N < ------- > S — Page 1 of 1

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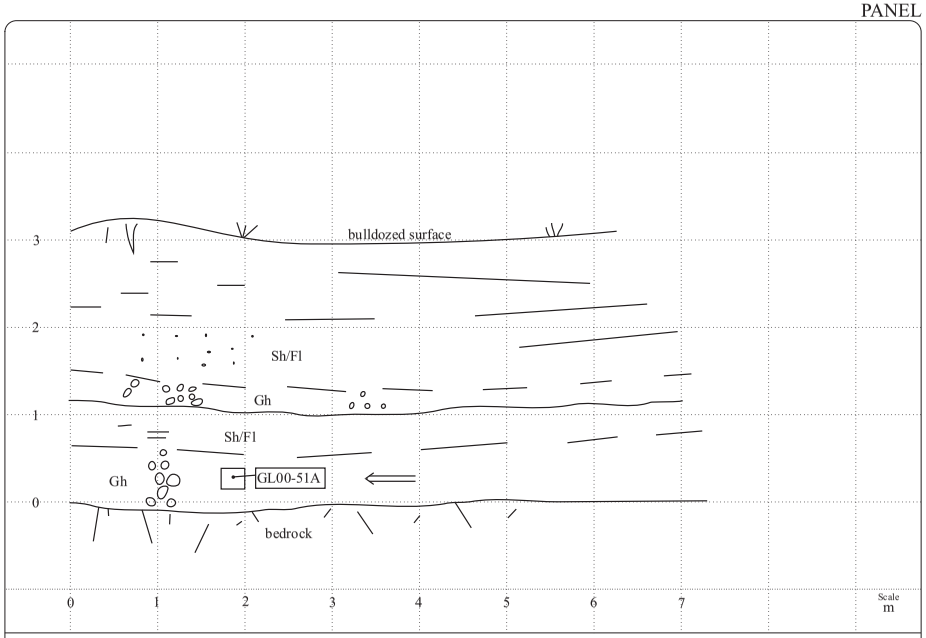
Panel on next page

PANEL



Station GL00-51 Panel 51P Orientation N < -------- > S Page 1 of 1

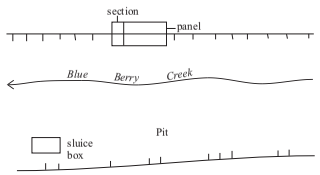
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

STATION

NTS/Map 115 O/3
Thistle Creek
Creek/River Blue Berry Creek
Tributary to Thistle Creek
Lat/Long 63 02 45
139 16 30
Owner/Operator Inactive
Other

Stratigraphy/Age Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Creek floodplain
Bedrock Amphibole schist
Alteration clay

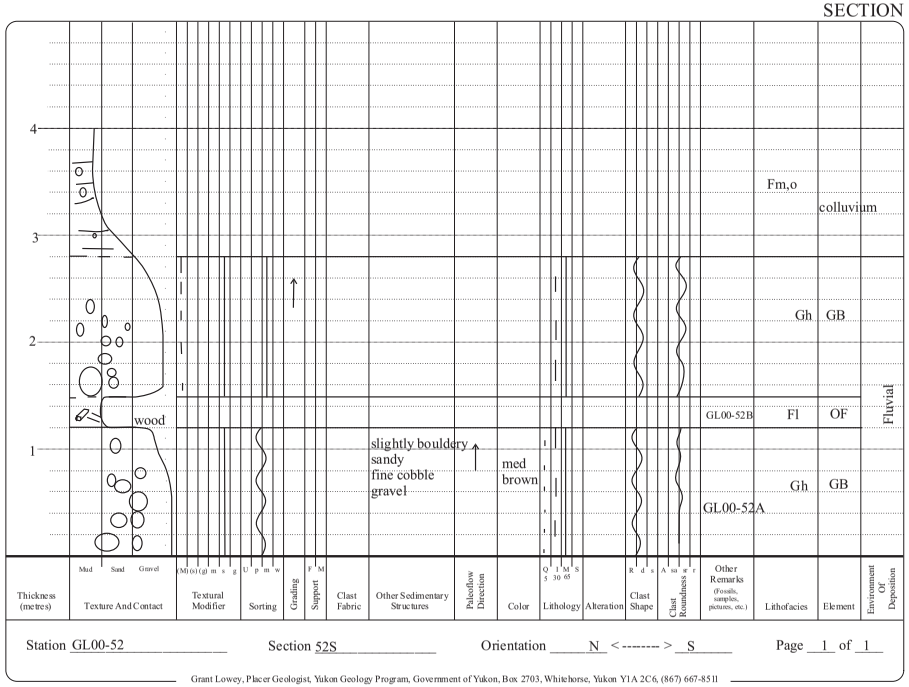
SITE PLAN



Station GL00-52 Section 52S Panel 52P Date Aug 11, 2000

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

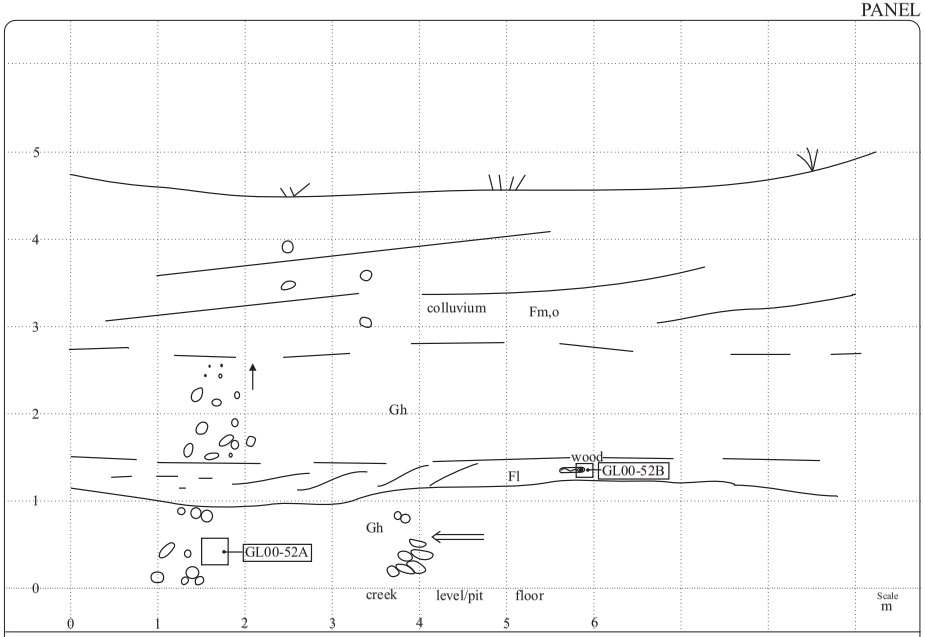
SECTION



Station GL00-52 Section 52S Orientation N < -------- > S Page 1 of 1

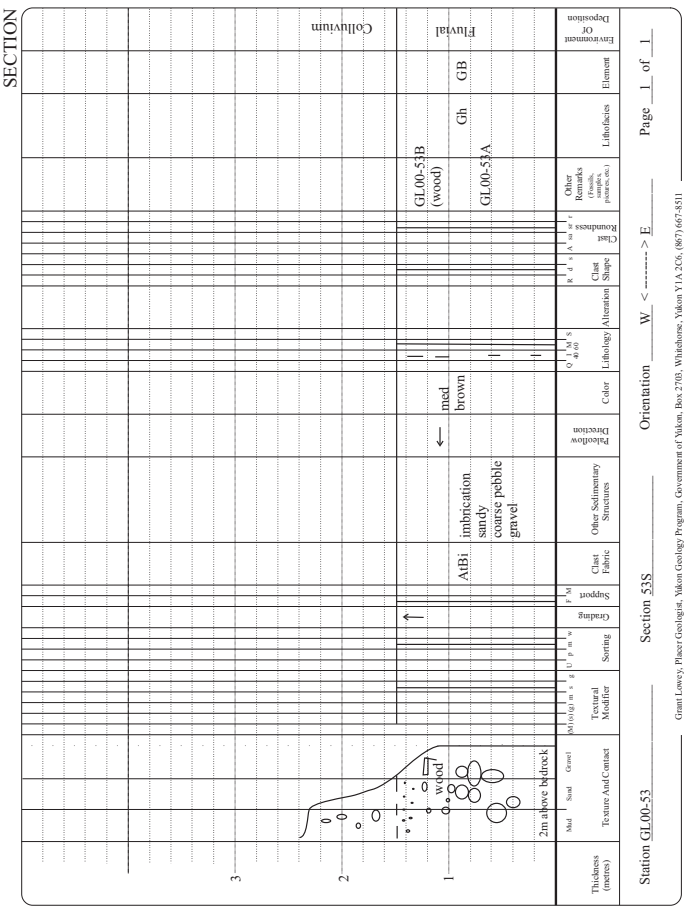
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

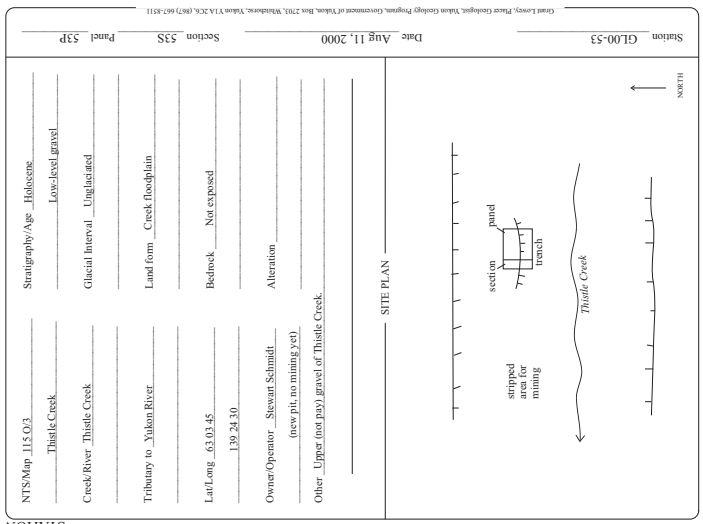
PANEL

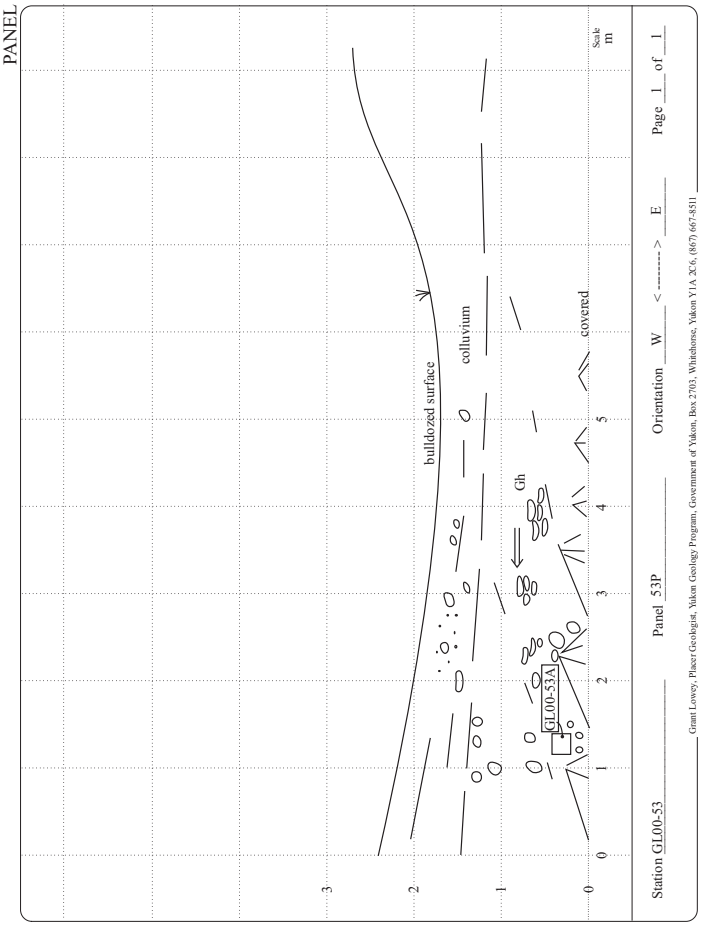


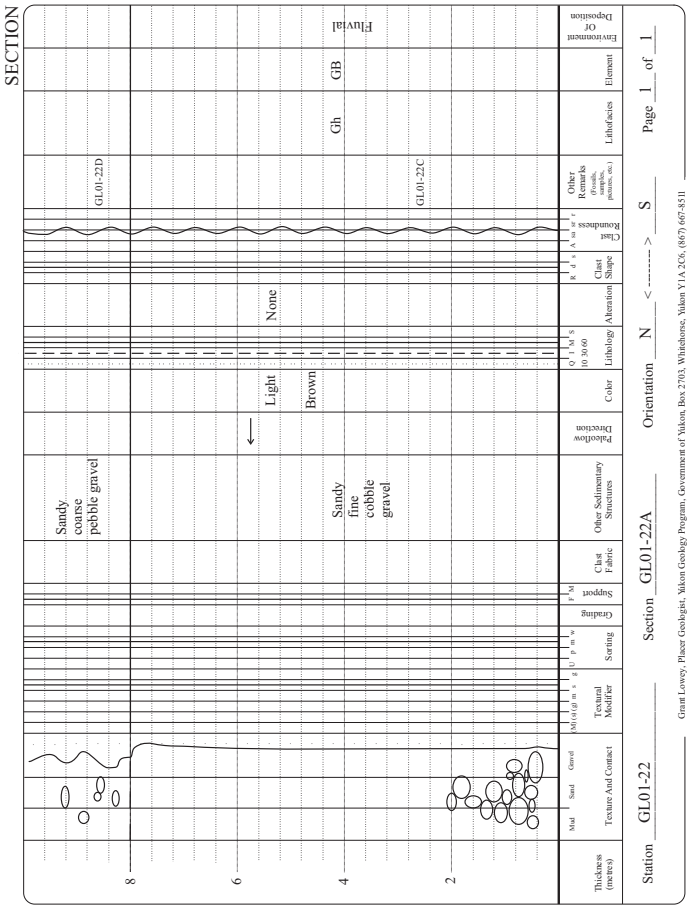
Station GL00-52 Panel 52P Orientation N < -------- > S Page 1 of 1

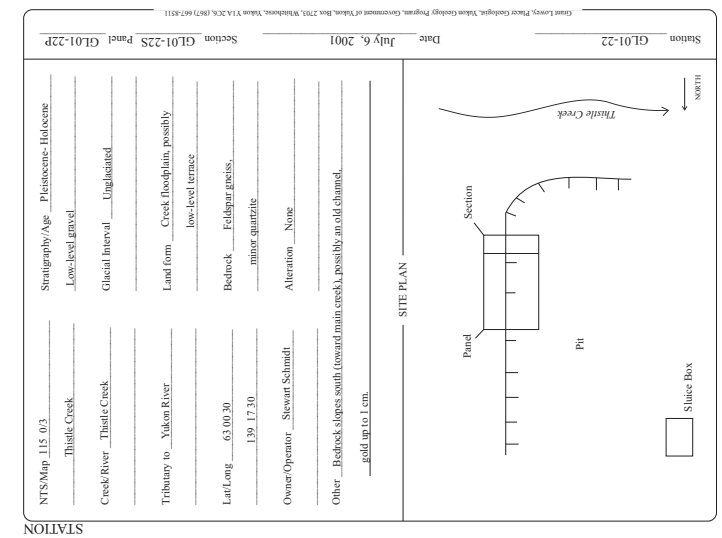
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

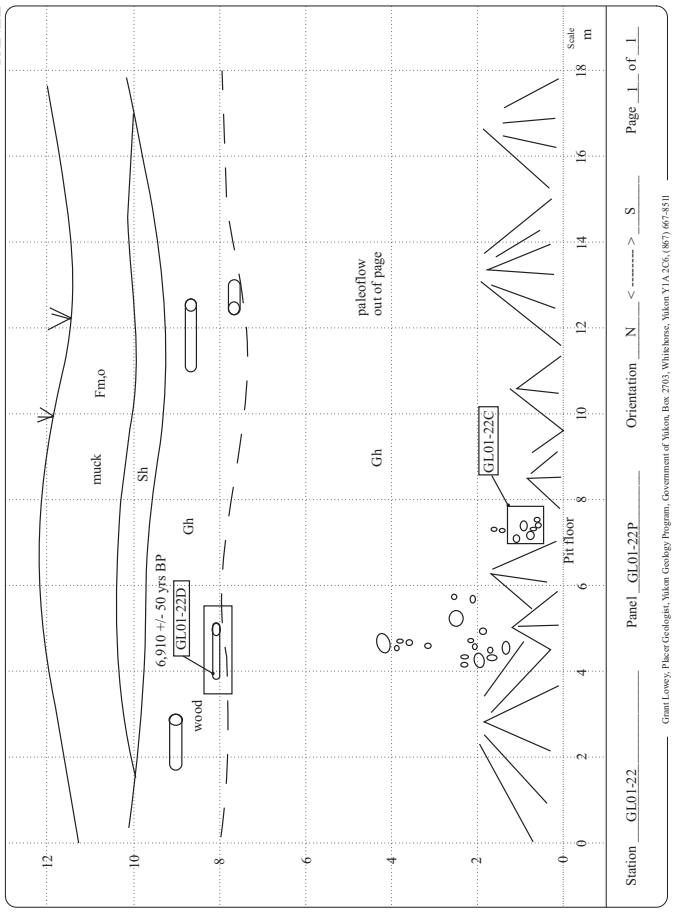

SECTION
Station GL00-53
Section 53S
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks
Lithofacies
Element
Environment Of Deposition
Colluvium
Fluvial
GL00-53B (wood)
GL00-53A
wood
2m above bedrock
AtBi
imbrication
sandy
coarse pebble
gravel
med
brown
Gh
GB

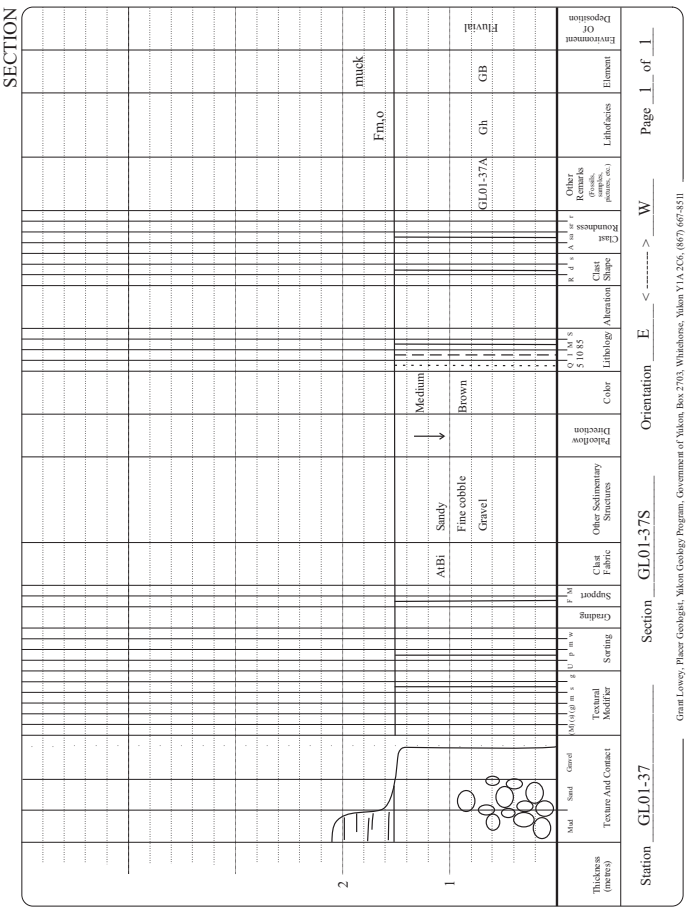

STATION
NTS Map 115 O/3
Thistle Creek
Creek/River Thistle Creek
Tributary to Yukon River
Lat/Long 63 03 45
139 24 30
Owner/Operator Stewart Schmidt
(new pit, no mining yet)
Other Upper (not pay) gravel of Thistle Creek.
Stratigraphy/Age Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Creek floodplain
Bedrock Not exposed
Alteration
SITE PLAN
stripped area for mining
section
panel
trench
Thistle Creek
NORTH
Station GL00-53
Date Aug 11, 2000
Section 53S
Panel 53P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

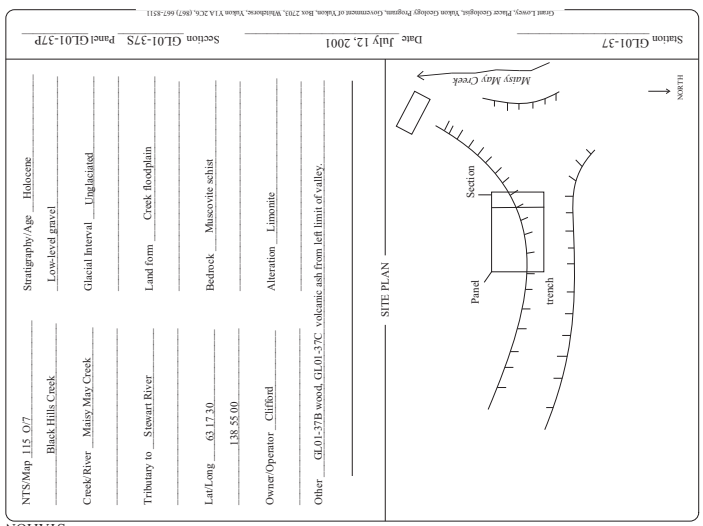

PANEL
bulldozed surface
colluvium
covered
Gh
GL00-53A
Scale
m
Station GL00-53
Panel 53P
Orientation W < ------ > E
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

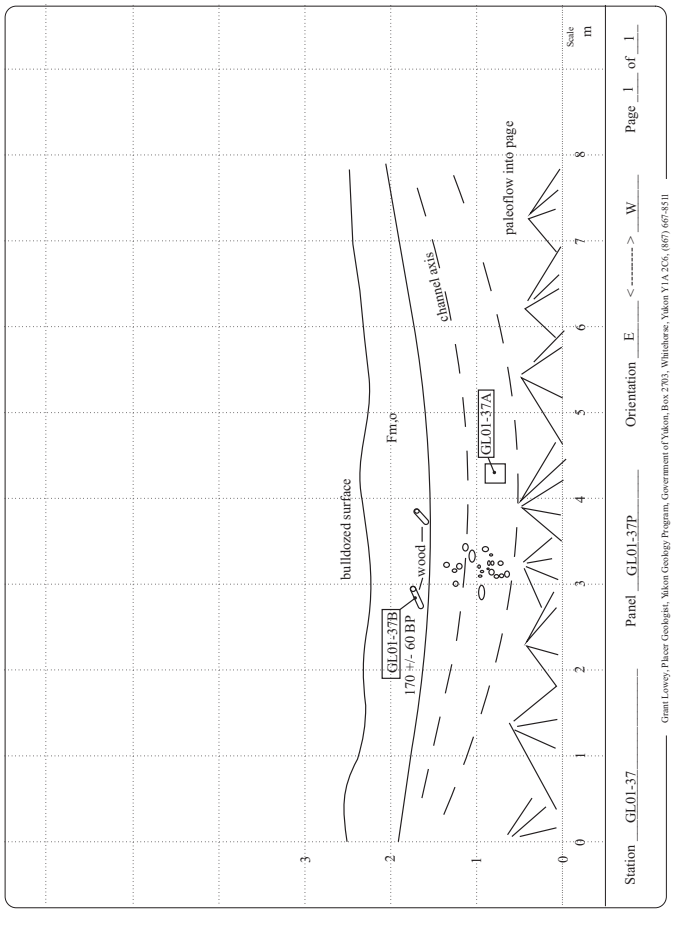

SECTION
Station GL01-22
Section GL01-22A
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Sandy course pebble gravel
Sandy fine cobble gravel
Light Brown
None
GL01-22D
GL01-22C
Gh
GB
Fluvial
Thickness (inches)
Texture And Contact
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (dates, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition

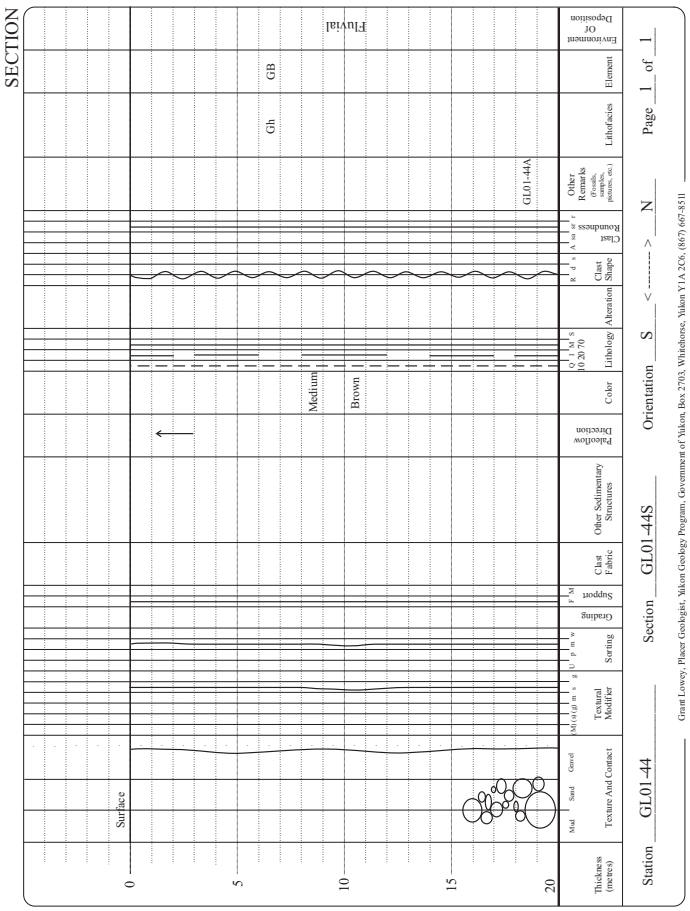

STATION
NTS/Map 115 0/3
Thistle Creek
Creek/River Thistle Creek
Tributary to Yukon River
Lat/Long 63 00 30
139 17 30
Owner/Operator Stewart Schmidt
Stratigraphy/Age Pleistocene-Holocene
Low-level gravel
Glacial Interval Undifferentiated
Land form Creek floodplain, possibly
low-level terrace
Bedrock Feldspar gneiss,
minor quartzite
Alteration None
Other Bedrock slopes south (toward main creek), possibly an old channel.
gold up to 1 cm.
SITE PLAN
Station GL01-22
Date July 6, 2001
Section GL01-22S Panel GL01-22P
Great Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thistle Creek
Section
Panel
Pit
NORTH
Sluice Box

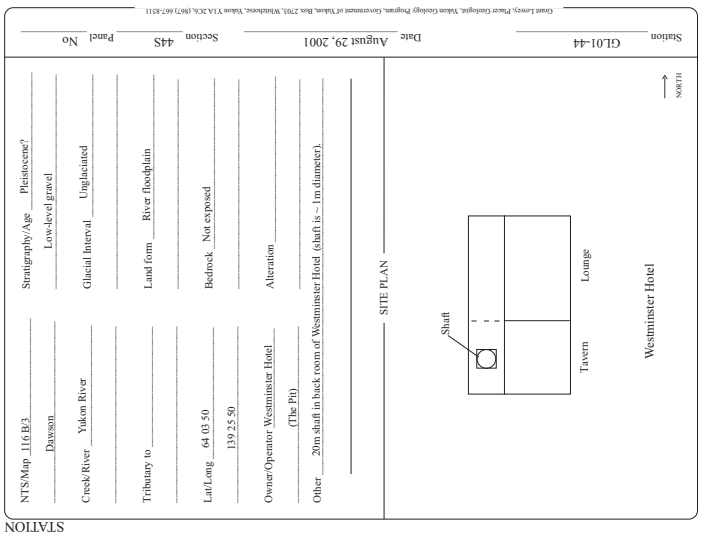

PANEL
Station GL01-22
Panel GL01-22P
Orientation N < ------- > S
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
muck
Fm,o
Sh
6,910 +/- 50 yrs BP
GL01-22D
wood
Gh
paleoflow
out of page
Gh
GL01-22C
Pit floor
Scale m


SECTION
muck
Fm.o
Fluvial
GL01-37A
Gh
GB
Medium
Brown
AtBi
Sandy
Fine cobble
Gravel
Station GL01-37
Section GL01-37S
Orientation E < ------ > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
NTS/Map 115 O/7
Stratigraphy/Age Holocene
Black Hills Creek
Low-level gravel
Creek/River Maisy May Creek
Glacial Interval Unglaciated
Tributary to Stewart River
Land form Creek floodplain
Lat/Long 63 17 30
138 55 00
Bedrock Muscovite schist
Owner/Operator Clifford
Alteration Limonite
Other GL01-37B wood, GL01-37C volcanic ash from left limit of valley.
SITE PLAN
Maisy May Creek
Section
Panel
trench
NORTH
Station GL01-37
Date July 12, 2001
Section GL01-37S
Panel GL01-37P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
bulldozed surface
Fm.o
GL01-37B
170 +/- 60 BP
wood
channel axis
GL01-37A
paleoflow into page
Scale m
Station GL01-37
Panel GL01-37P
Orientation E < ------ > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

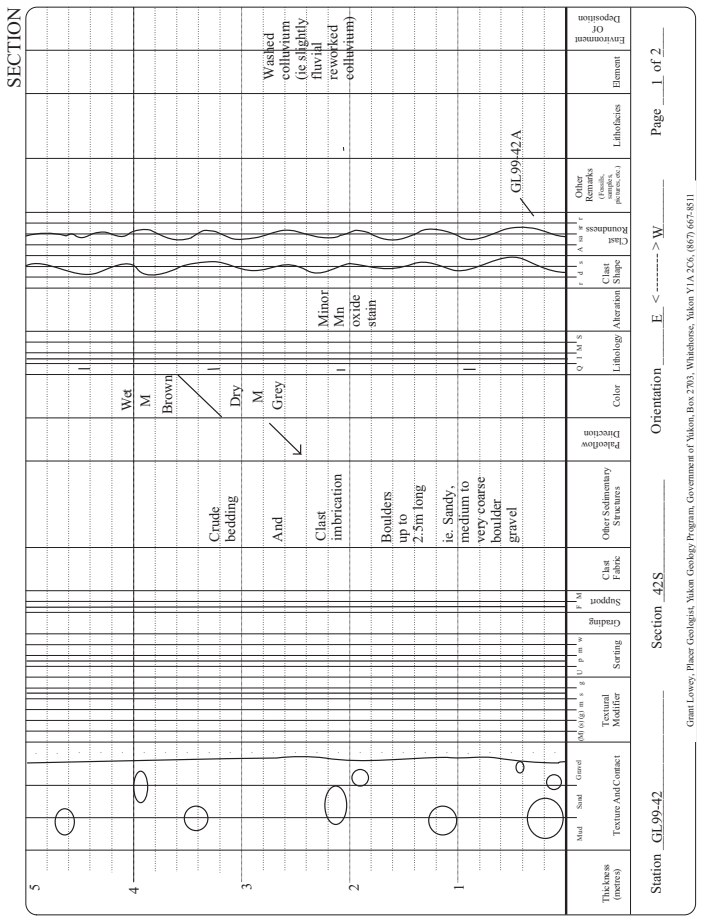

SECTION
Station GL01-44
Section GL01-44S
Orientation S
N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Surface
Fluvial
Gh
GB
Medium
Brown
GL01-44A
Thickness (inches)
Texture And Contact
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Roundness
Other Remarks (of rocks, samples, pictures, etc.)
Lithofacies
Element
Environment Of Deposition

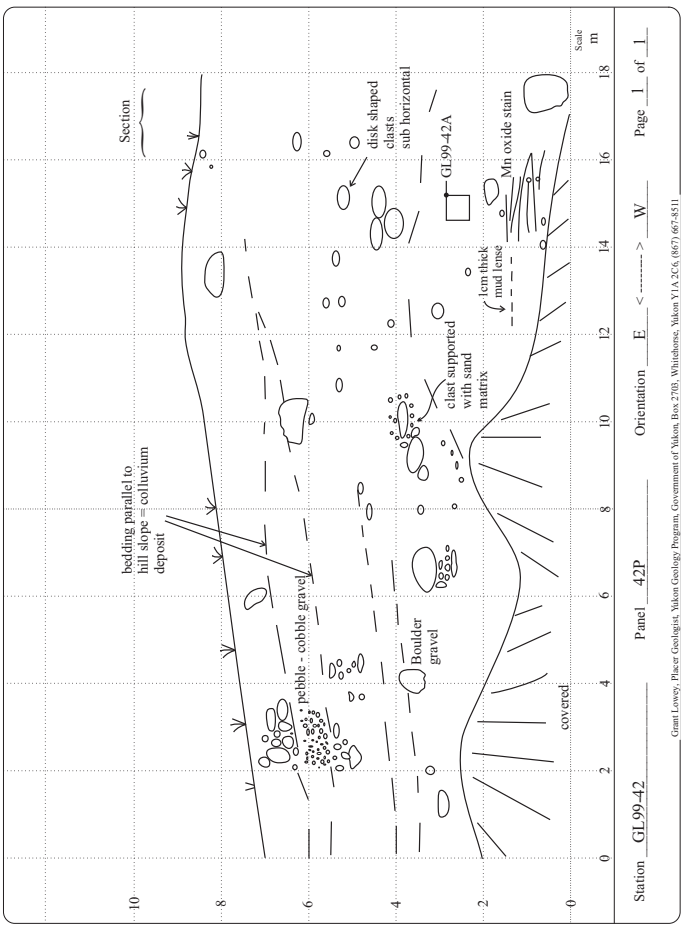

STATION
NTS/Map 116 B/3
Dawson
Creek/River Yukon River
Tributary to
Lat/Long 64 03 50
139 25 50
Owner/Operator Westminster Hotel
(The Pit)
Other 20m shaft in back room of Westminster Hotel (shaft is ~ 1m diameter).
Stratigraphy/Age Pleistocene?
Low-level gravel
Glacial Interval Unglaciated
Land form River floodplain
Bedrock Not exposed
Alteration
Section 44S
Panel No
Date August 29, 2001
Station GL01-44
SITE PLAN
Shaft
Tavern
Lounge
Westminster Hotel
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

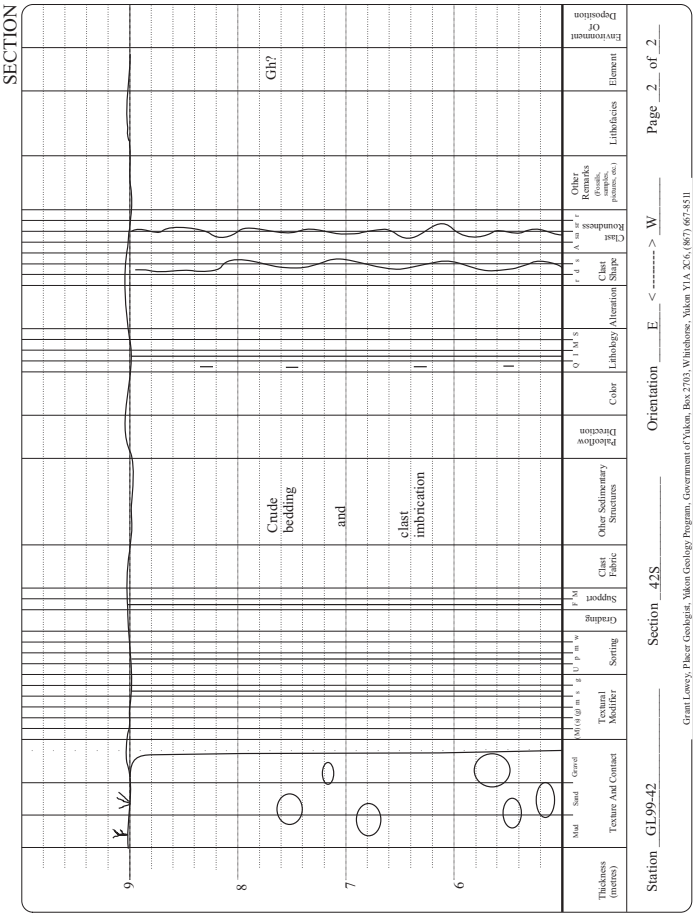
Appendix 11

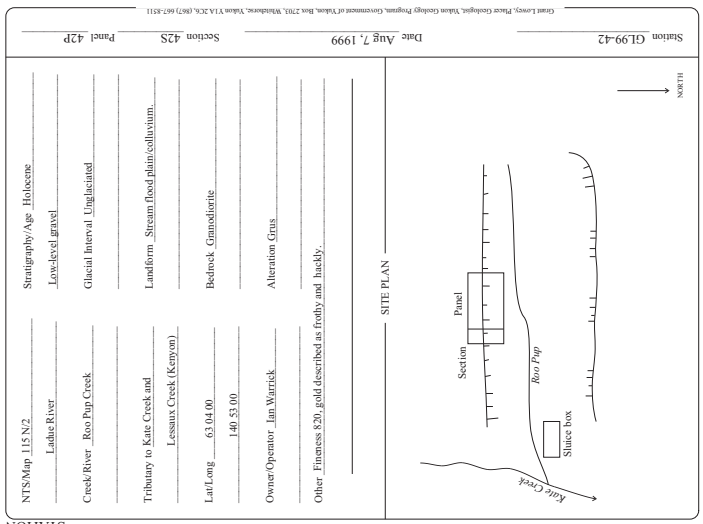
Station descriptions, Ladue River drainage

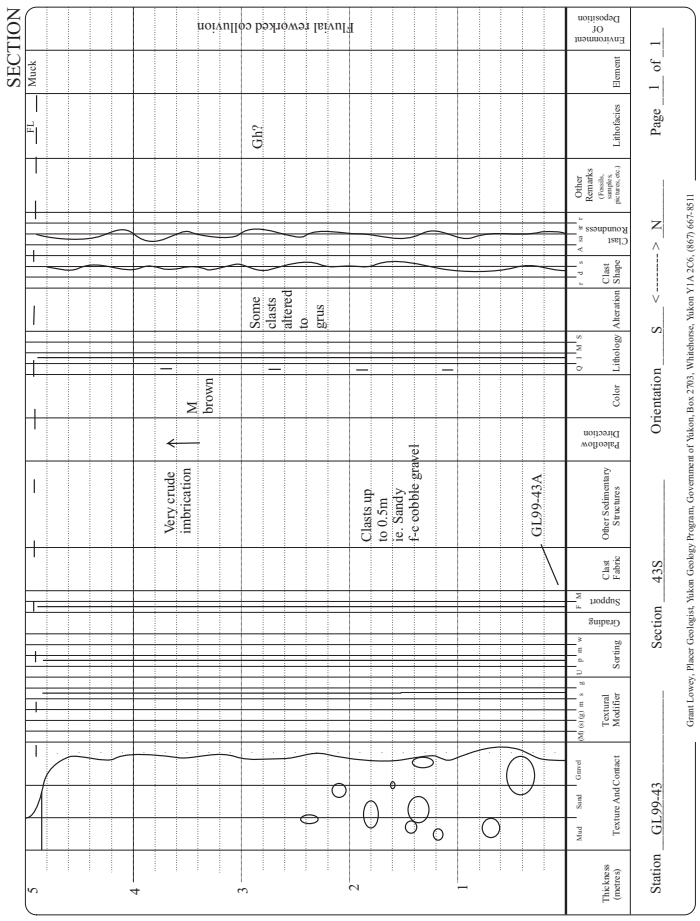
GL99-42 263
GL99-43 264
GL99-45 265
GL98-56 266
GL99-46 266
GL01-34 266

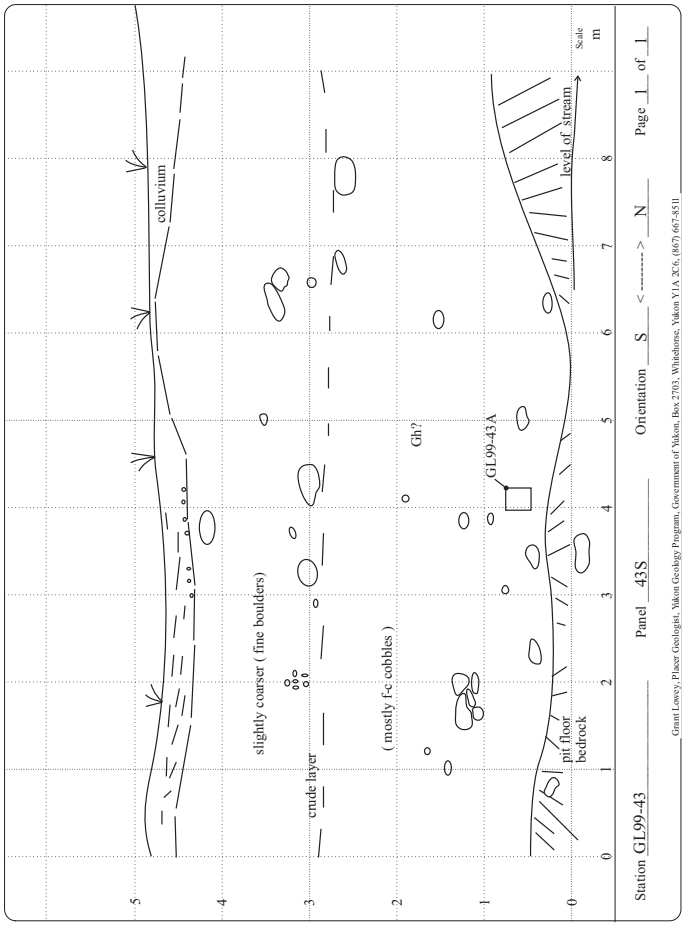

SECTION
Station GL99-42
Section 42S
Orientation E < -------- > W
Page 1 of 2
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (meters)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Wet
Dry
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Environment Of Deposition
Element
Crude bedding
And
Clast imbrication
Boulders up to 2.5m long
ie. Sandy, medium to very coarse boulder gravel
Minor Mn oxide stain
Washed colluvium (ie.slightly fluvial reworked colluvium)
GL99-42A

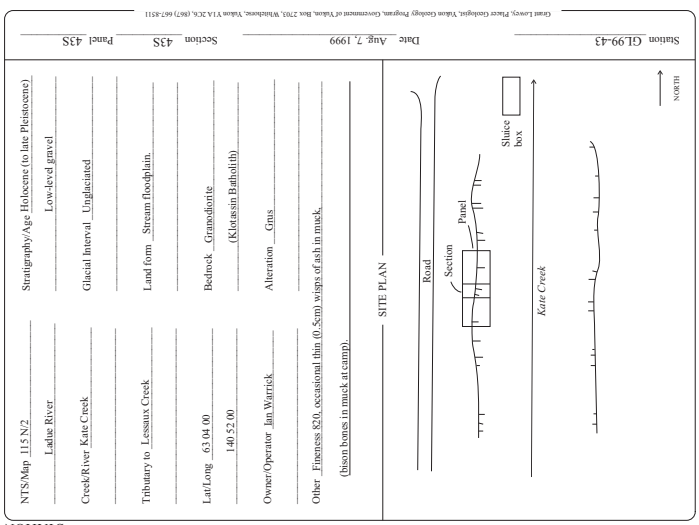

PANEL
Station GL99-42
Panel 42P
Orientation E < -------- > W
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Section
bedding parallel to hill slope = colluvium deposit
pebble - cobble gravel
Boulder gravel
covered
clast supported with sand matrix
1cm thick mud lense
GL99-42A
disk shaped clasts sub horizontal
Mn oxide stain
Scale m

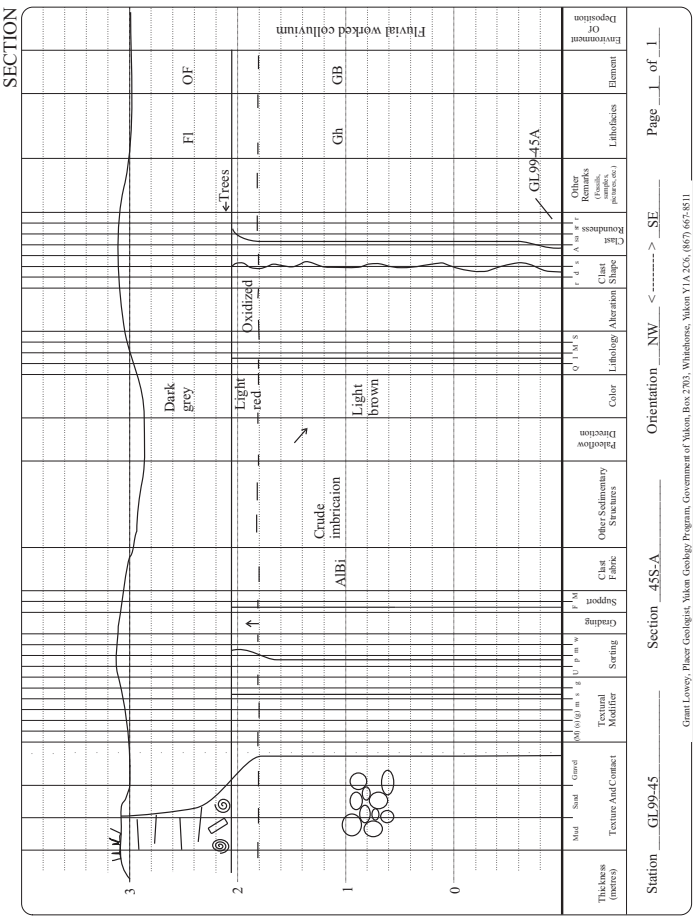

SECTION
Station GL99-42
Section 42S
Orientation E < -------- > W
Page 2 of 2
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Thickness (meters)
Texture And Contact
Mud
Sand
Gravel
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (Fossils, samples, pictures, etc.)
Lithofacies
Environment Of Deposition
Element
Crude bedding
and
clast imbrication
Gh?

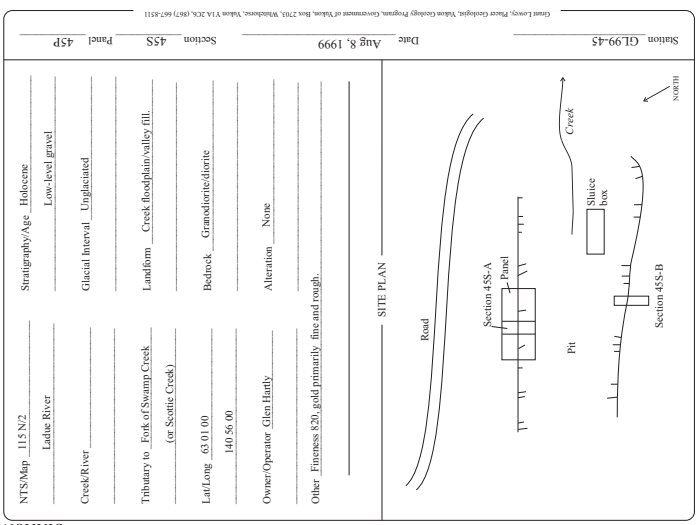

STATION
Station GL99-42
Date Aug 7, 1999
Section 42S
Panel 42P
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 N/2
Stratigraphy/Age Holocene
Ladue River
Low-level gravel
Creek/River Roo Pup Creek
Glacial Interval Unglaciated
Tributary to Kate Creek and Lessaux Creek (Kenyon)
Landform Stream flood plain/colluvium.
Lat/Long 63 04 00 / 140 53 00
Bedrock Granodiorite
Owner/Operator Ian Warrick
Alteration Grus
Other Fineness 820, gold described as frothy and hackly.
SITE PLAN
NORTH
Kate Creek
Roo Pup
Sluice box
Section
Panel

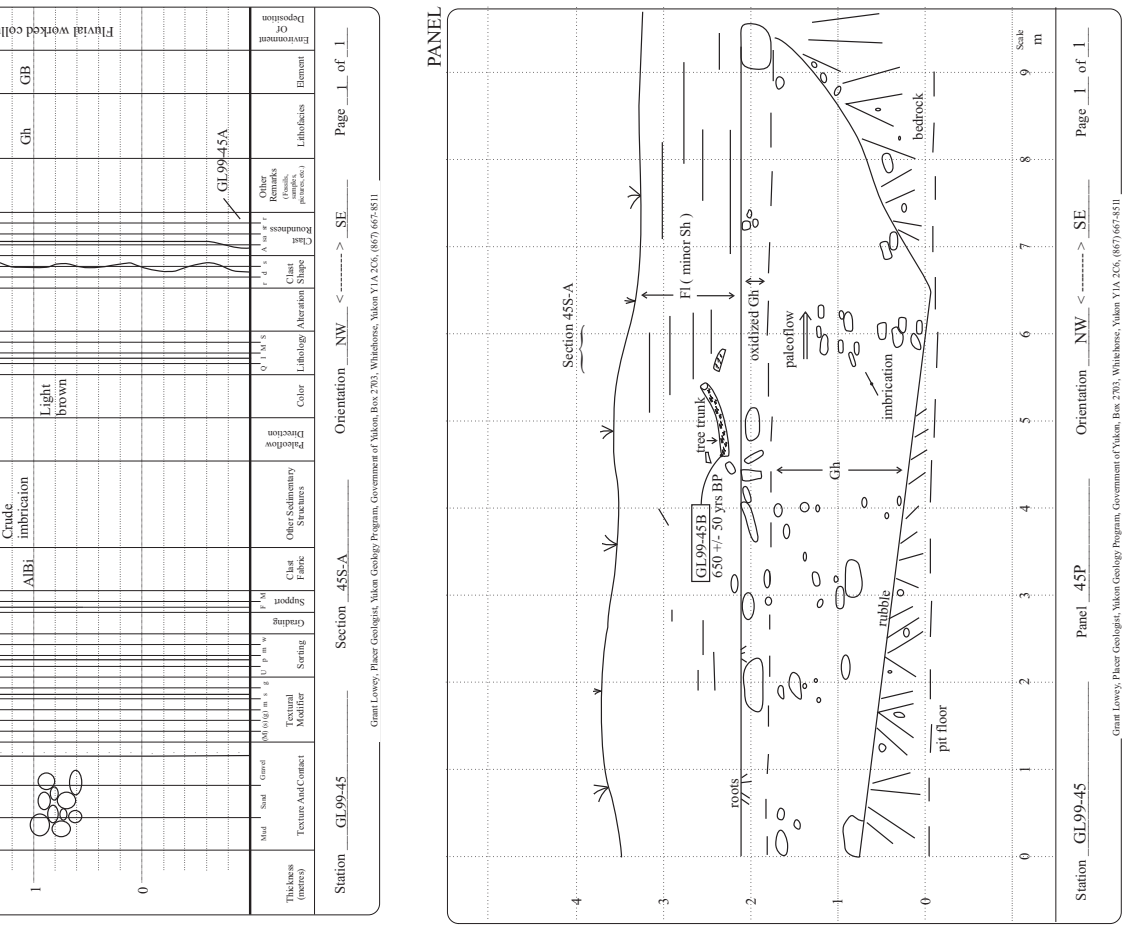

SECTION
Station GL99-43
Section 43S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
Fluvial reworked colluvion
Very crude imbrication
M brown
Clasts up to 0.5m ie. Sandy f-c cobble gravel
GL99-43A
Some clasts altered to grus
Gh?
Thickness (metres)
Texture And Contact
Textural Modifier
Sorting
Grading
Support
Clast Fabric
Other Sedimentary Structures
Paleoflow Direction
Color
Lithology
Alteration
Clast Shape
Clast Roundness
Other Remarks (fossils, samples, pictures, etc)
Lithofacies
Element
Environment Of Deposition

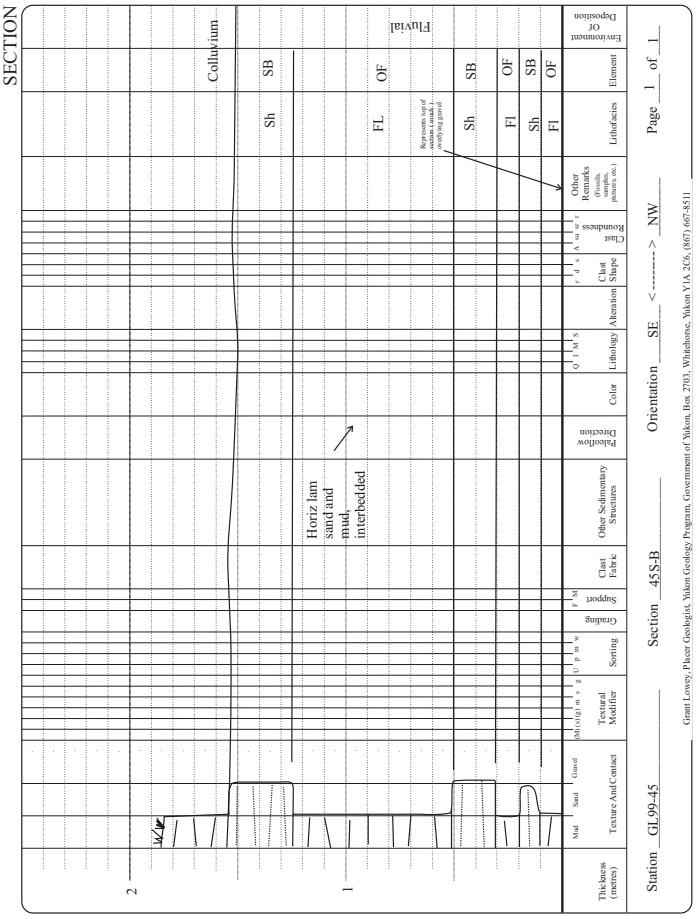

PANEL
Station GL99-43
Panel 43S
Orientation S < ------- > N
Page 1 of 1
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
colluvium
slightly coarser (fine boulders)
crude layer
(mostly f-c cobbles)
Gh?
GL99-43A
pit floor
bedrock
level of stream
Scale m

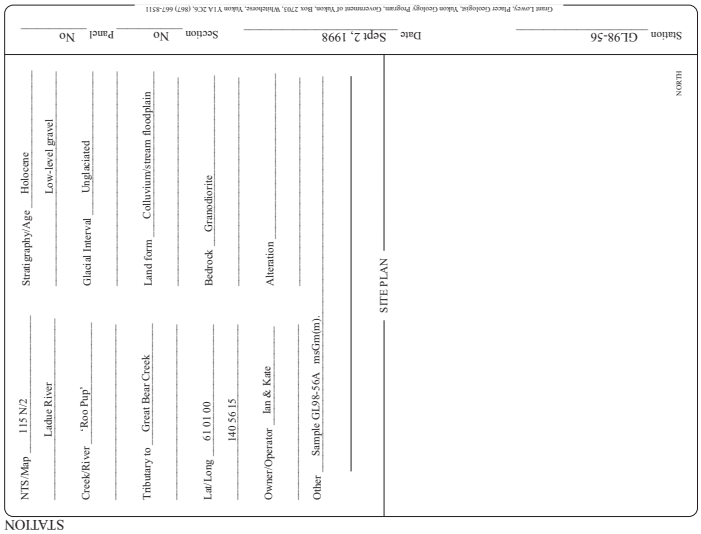

STATION
Station GL99-43
Date Aug. 7, 1999
Section 43S
Panel 43S
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NTS/Map 115 N/2
Stratigraphy/Age Holocene (to late Pleistocene)
Low-level gravel
Ladue River
Creek/River Kate Creek
Glacial Interval Unglaciated
Tributary to Lessaux Creek
Land form Stream floodplain
Bedrock Granodiorite
(Klotassin Batholith)
Lat/Long 63 04 00
140 52 00
Owner/Operator Jim Warrick
Alteration Gms
Other Fineness ≤20, occasional thin (0.5cm) wisps of ash in muck
(bison bones in muck at camp).
SITE PLAN
Road
Section
Panel
Sluice box
Kate Creek
NORTH

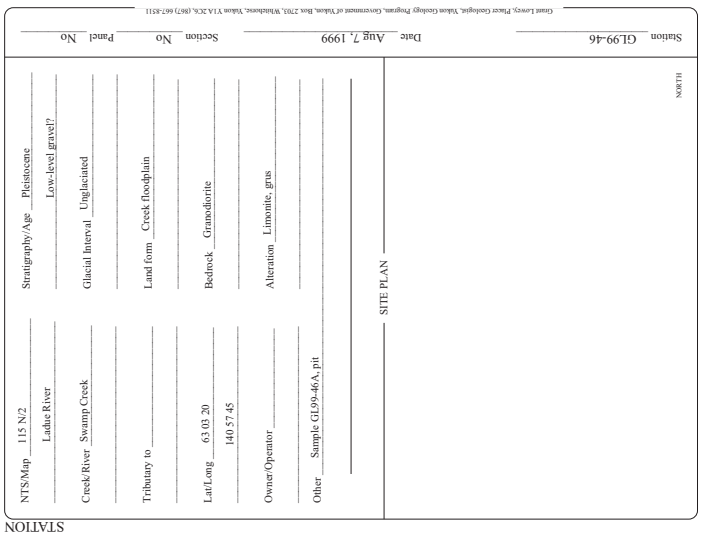

SECTION
Station GL99-45 Section 45S-A Orientation NW < -------- > SE Page 1 of 1
Fluvial worked colluvium
Trees
Oxidized
Crude imbricaion
AlBi
Dark grey
Light red
Light brown
Fl
OF
Gh
GB
GL99-45A
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

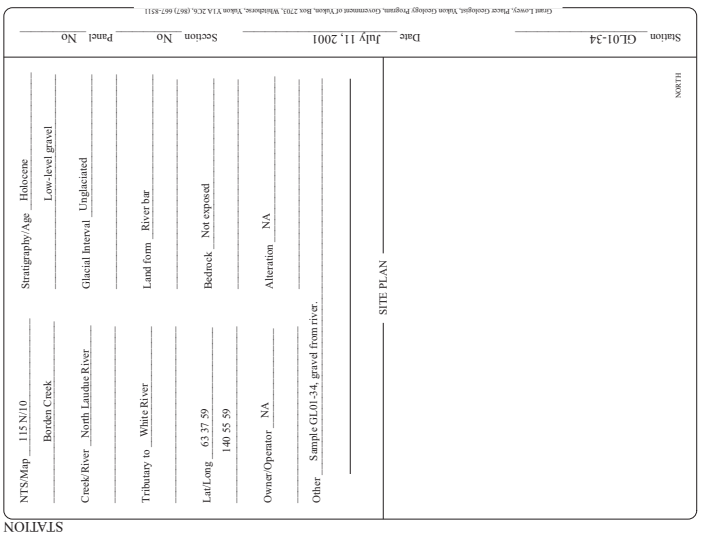

STATION
NTS/Map 115 N/2
Ladue River
Creek/River
Tributary to Fork of Swamp Creek
(or Scottie Creek)
Lat/Long 63 01 00
140 56 00
Owner/Operator Glen Hartly
Other Fineness $20, gold primarily fine and rough.
Stratigraphy/Age Holocene
Low-level gravel
Glacial Interval Unglaciated
Landform Creek floodplain/valley fill.
Bedrock Granodiorite/diorite
Alteration None
Station GL99-45 Date Aug 8, 1999 Section 45S Panel 45P
SITE PLAN
Road
Section 45S-A
Panel
Pit
Creek
Sluice box
Section 45S-B
NORTH
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


PANEL
Station GL99-45 Panel 45P Orientation NW < -------- > SE Page 1 of 1
Section 45S-A
Fl (minor Sh)
GL99-45B
650 +/- 50 yrs BP
tree trunk
oxidized Gh
paleoflow
Gh
imbrication
rubble
bedrock
pit floor
roots
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


SECTION
Station GL99-45 Section 45S-B Orientation SE < -------- > NW Page 1 of 1
Colluvium
Fluvial
Horiz lam sand and mud interbedded
Sh
SB
FL
OF
Fl
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL98-56
Date Sept 2, 1998
Section No
Panel No
(Geol. Surv., Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NORTH
SITE PLAN
NTS/Map 115 N/2
Ladue River
Creek/River 'Roo Pup'
Tributary to Great Bear Creek
Lat/Long 61 01 00
140 56 15
Owner/Operator Ian & Kate
Other Sample GL98-56A msGm(m).
Stratigraphy/Age Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form Colluvium/stream floodplain
Bedrock Granodiorite
Alteration


STATION
Station GL99-46
Date Aug 7, 1999
Section No
Panel No
(Geol. Surv., Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NORTH
SITE PLAN
NTS/Map 115 N/2
Ladue River
Creek/River Swamp Creek
Tributary to
Lat/Long 63 03 20
140 57 45
Owner/Operator
Other Sample GL99-46A, pit
Stratigraphy/Age Pleistocene
Low-level gravel?
Glacial Interval Unglaciated
Land form Creek floodplain
Bedrock Granodiorite
Alteration Limonite, grus


STATION
Station GL01-34
Date July 11, 2001
Section No
Panel No
(Geol. Surv., Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511
NORTH
SITE PLAN
NTS/Map 115 N/10
Borden Creek
Creek/River North Ladue River
Tributary to White River
Lat/Long 63 37 59
140 55 59
Owner/Operator NA
Other Sample GL01-34, gravel from river.
Stratigraphy/Age Holocene
Low-level gravel
Glacial Interval Unglaciated
Land form River bar
Bedrock Not exposed
Alteration NA

Appendix 12

Station descriptions, other areas

GL98-33A 269
GL98-32 269
GL99-14 269
GL98-54 269
GL99-16 270
GL99-15 270
GL99-32 270
GL99-21A 270
GL00-14 271
GL99-47 271
GL01-21 271
GL01-20 271
GL01-33 272
GL01-32 272
GL01-36 272
GL98-53 273
GL00-36 273
GL00-38 274
GL99-27 274
GL00-37 275

STATION

Station GL99-14 Date June 27, 1999 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 115 N/16 Reindeer Mountain / Enchantment Creek

Creek/River NA

Tributary to NA

Lat/Long 63 53 09 / 140 25 40

Owner/Operator

Other Mt. Hart paleoplacer gold locality.

Stratigraphy/Age Cretaceous ?

Glacial Interval Unglaciated

Land form Mountain/outcrop

Bedrock Conglomerate

Alteration None

SITE PLAN

NORTH

STATION

Station GL98-33A Date August 6 1998 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 115 O/11 Reindeer Mountain / 115 O/11

Creek/River McKinnon Creek

Tributary to Indian River

Lat/Long 63 42 05 / 139 09 00

Owner/Operator None

Other Sample GL98-33A of conglomerate.

Stratigraphy/Age Cretaceous

Glacial Interval Unglaciated

Land form Weathered conglomerate

Bedrock Conglomerate

Alteration

SITE PLAN

STATION

Station GL98-54 Date Sept 1, 1998 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 115 O/11 Reindeer Mountain / 115 O/11

Creek/River NA

Tributary to NA

Lat/Long 63 39 29 / 139 25 20

Owner/Operator NA

Other Sample GL98-54 of limestone (radiocarbon date of 19,310 +/- 80 BP).

Stratigraphy/Age Pleistocene karst feature

Glacial Interval Unglaciated

Land form Karst sinkhole and 'cave'

Bedrock Limestone/marble (Paleozoic?)

Alteration NA

SITE PLAN

NORTH

STATION

Station GL98-32 Date Aug 6, 1998 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 115 O/11 Reindeer Mountain / 115 O/11

Creek/River McKinnon Creek

Tributary to Indian River

Lat/Long 63 41 30 / 139 09 10

Owner/Operator NA

Other Sample GL98-32A of conglomerate.

Stratigraphy/Age Cretaceous

Glacial Interval Unglaciated

Land form Valley

Bedrock Conglomerate (Tantalus Formation)

Alteration NA

SITE PLAN

NORTH

STATION

Station GL99-16 Date June 27, 1999 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 115 N/16 Stratigraphy/Age Cretaceous
Enchantment Creek
Creek/River NA Glacial Interval Unglaciated
Tributary to NA Land form Mountian
Lat/Long 63 55 30 Bedrock Conglomerate
140 25 45
Owner/Operator NA Alteration None
Other Mt. Hart, Sample GL99-16A of conglomerate, paleoplacer locality.

SITE PLAN

NORTH

STATION

Station GL99-32 Date July 22, 1999 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 115 N/15 Stratigraphy/Age Cretaceous ?
Crag Mountain
Creek/River NA Glacial Interval Unglaciated
Tributary to NA Land form Bedrock exposure on valley side
Lat/Long 63 59 39 Bedrock Conglomerate
140 46 59
Owner/Operator NA Alteration None
Other Sample GL99-32A of conglomerate, clasts up to 20cm
(thought by previous workers to be glacial drift).

SITE PLAN

NORTH

STATION

Station GL99-15 Date June 27, 1999 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 115 N/16 Stratigraphy/Age Cretaceous?
Enchantment Creek
Creek/River NA Glacial Interval Unglaciated
Tributary to NA Land form Mountian
Lat/Long 63 54 05 Bedrock Conglomerate
140 25 45
Owner/Operator Alteration None
Other Mt. Hart, paleoplacer locality.

SITE PLAN

NORTH

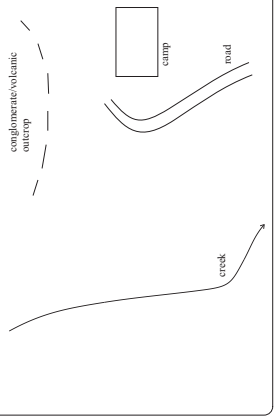
STATION

Station GL99-21A Date June 30 1999 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map Sixty Mile Stratigraphy/Age Cretaceous
116 C/2
Creek/River Big Gold Creek Glacial Interval Unglaciated
Tributary to Sixty Mile River Land form Bedrock
Lat/Long 64 02 25 Bedrock Conglomerate and basalt/andesite
140 46 05
Owner/Operator Al Downes Alteration
Other Sample GL99-21A from conglomerate ~2m above basalt/andesite.

SITE PLAN



STATION

Station GL00-14 Date June 27, 2000 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 115 O/16 Stratigraphy/Age Pleistocene Karst feature
Stewart River
Creek/River NA Glacial Interval Unglaciated
Tributary to NA Land form Karst
Lat/Long 63 53 09 Bedrock Limestone/marble (Paleozoic)
140 25 40
Owner/Operator Alteration None
Other Samples GL00-14A, B, C of limestone for petrography.
sample GL00-14D of limestone (radiocarbon date 18,240 +/- 70 yrs BP).

SITE PLAN

NORTH

STATION

Station GL01-21 Date June 24, 2001 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map 116 C/1 Stratigraphy/Age Cretaceous
California Creek
Creek/River Na Glacial Interval Unglaciated
Tributary to Na Land form Borrow pit along
Top-of-the-World Highway
Lat/Long 64 11 05 Bedrock Basalt
140 26 53
Owner/Operator Na Alteration None
Other

SITE PLAN

Sample GL01-12A

NORTH

STATION

Station GL99-47 Date August 8 1999 Section No Panel No

Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

NTS/Map Ladue River Stratigraphy/Age Jurassic-Cretaceous
115 N/2
Creek/River Kenyon Creek Glacial Interval Unglaciated
Tributary to NA Land form Weathered bedrock
Lat/Long 63 02 10 Bedrock Granodiorite
140 58 30
Owner/Operator Abandoned Alteration Gnss
Other Sample GL99-47 of gnss, no gravel exposed.

SITE PLAN

NORTH

STATION

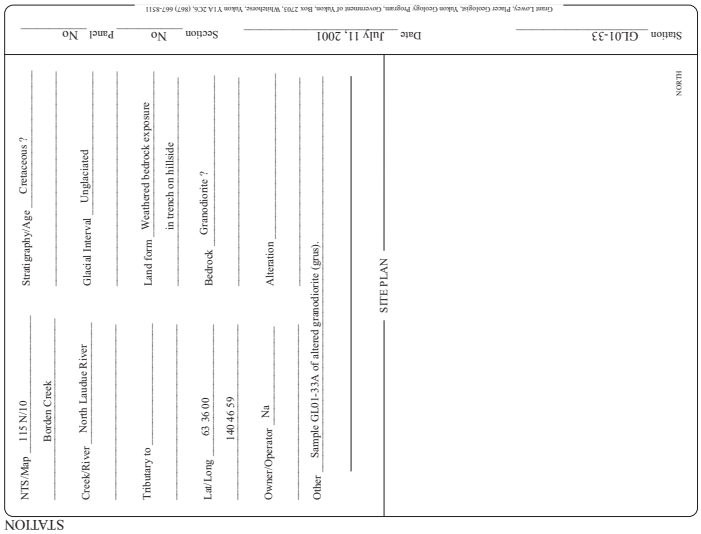
Station GL01-20 Date June 24, 2001 Section No Panel No

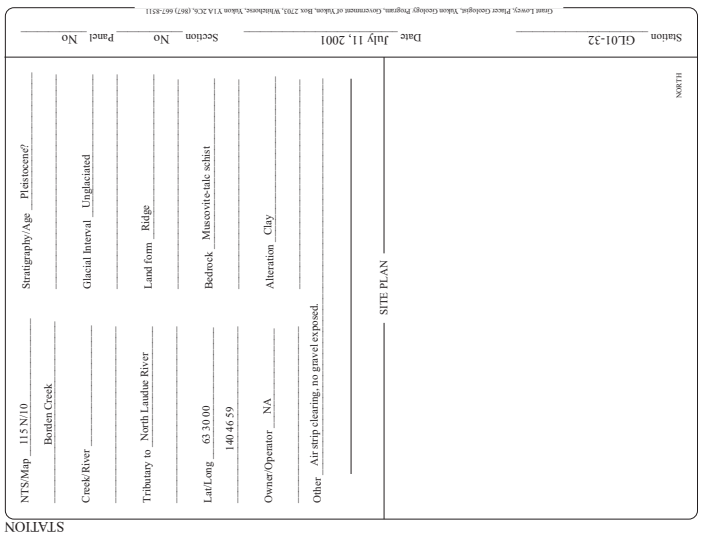
Grant Lowey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511

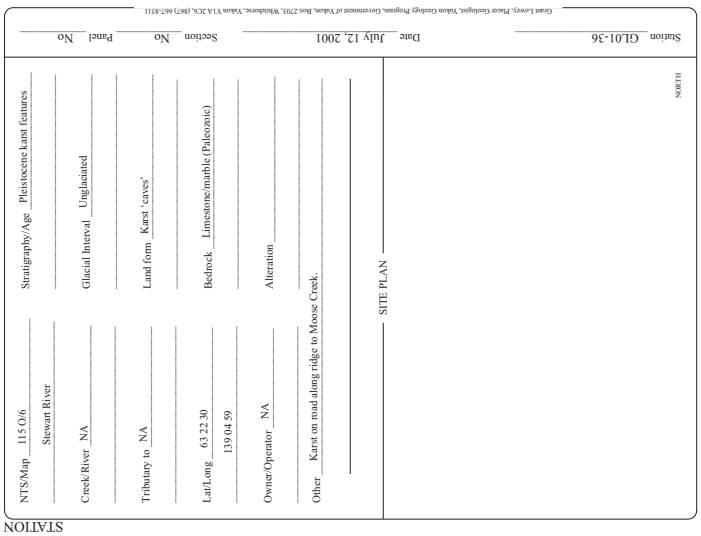
NTS/Map 116 C/2 Stratigraphy/Age Cretaceous ?
Sixtymile
Creek/River Na Glacial Interval Unglaciated
Tributary to Na Land form Bedrock exposure in borrow pit
Lat/Long 64 05 09 Bedrock Basalt
140 43 09
Owner/Operator Na Alteration None
Other Sample GL01-20A of basalt, Sixtymile Road.

SITE PLAN

NORTH


STATION
Station GL01-33
Date July 11, 2001
Section No
Panel No
NTS/Map 115 N/10
Borden Creek
Creek/River North Laudie River
Tributary to
Lat/Long 63 36 00
140 46 59
Owner/Operator Na
Other Sample GL01-33A of altered granodiorite (grus).
Stratigraphy/Age Cretaceous ?
Glacial Interval Unglaciated
Land form Weathered bedrock exposure in trench on hillside
Bedrock Granodiorite ?
Alteration
SITE PLAN
NORTH
Geol. Survey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL01-32
Date July 11, 2001
Section No
Panel No
NTS/Map 115 N/10
Borden Creek
Creek/River
Tributary to North Laudie River
Lat/Long 63 30 00
140 46 59
Owner/Operator NA
Other Air strip clearing, no gravel exposed.
Stratigraphy/Age Pleistocene?
Glacial Interval Unglaciated
Land form Ridge
Bedrock Muscovite-talc schist
Alteration Clay
SITE PLAN
NORTH
Geol. Survey, Placer Geologist, Yukon Geology Program, Government of Yukon, Box 2703, Whitehorse, Yukon Y1A 2C6, (867) 667-8511


STATION
Station GL01-36
Date July 12, 2001
Section No
Panel No
NTS/Map 115 O/6
Stewart River
Creek/River NA
Tributary to NA
Lat/Long 63 22 30
139 04 59
Owner/Operator NA
Other Karst on road along ridge to Moose Creek.
Stratigraphy/Age Pleistocene karst features
Glacial Interval Unglaciated
Land form Karst 'caves'
Bedrock Limestone/marble (Paleozoic)
Alteration
SITE PLAN
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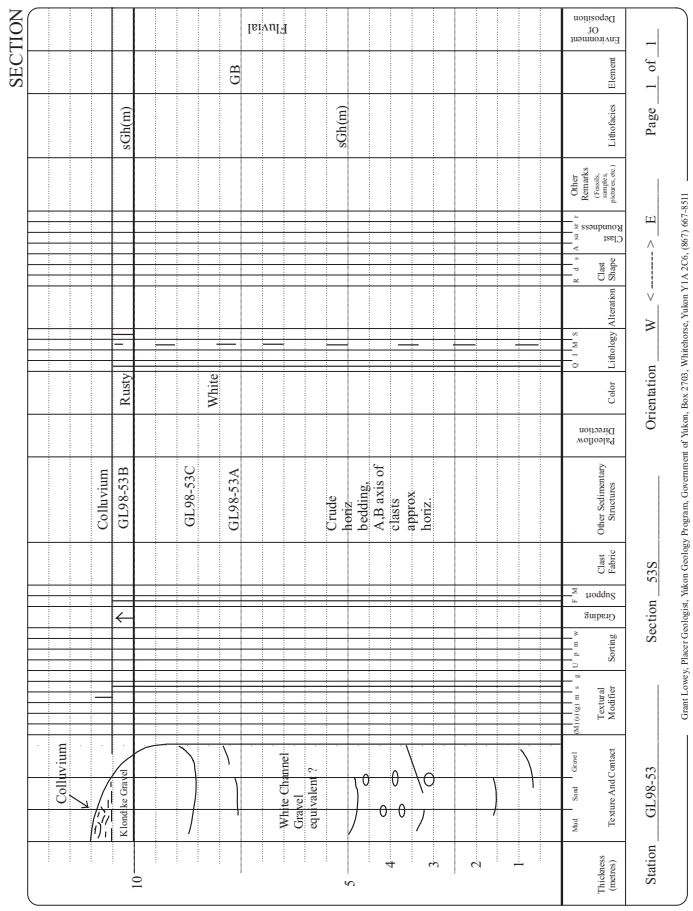
SECTION
Colluvium
Klondike Gravel
Colluvium
GL98-53B
Rusty
sGh(m)
GL98-53C
White
GB
GL98-53A
Fluvial
Crude horiz bedding, A,B axis of clasts approx horiz.
sGh(m)
White Channel Gravel equivalent ?
Station GL98-53
Section 53S
Orientation W < ------- > E
Page 1 of 1
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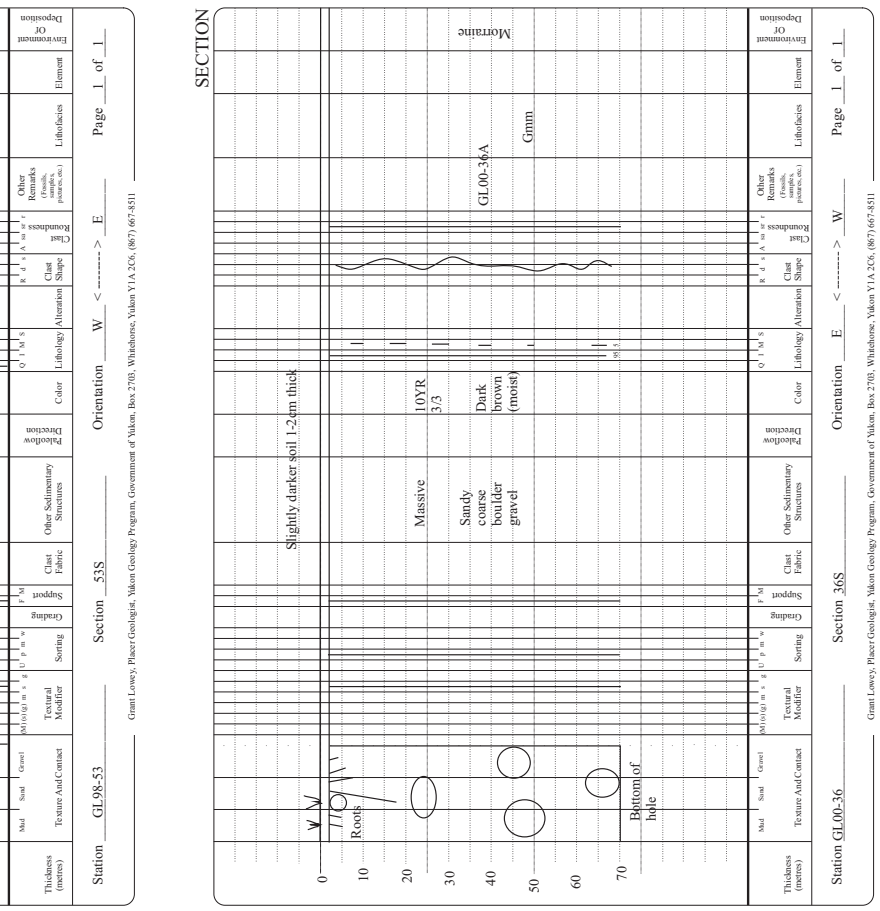
SECTION
Slightly darker soil 1-2cm thick
Roots
Massive
10YR 3/3
Sandy coarse boulder gravel
Dark brown (moist)
GL00-36A
Gmm
Bottom of hole
Station GL00-36
Section 36S
Orientation E < ------- > W
Page 1 of 1
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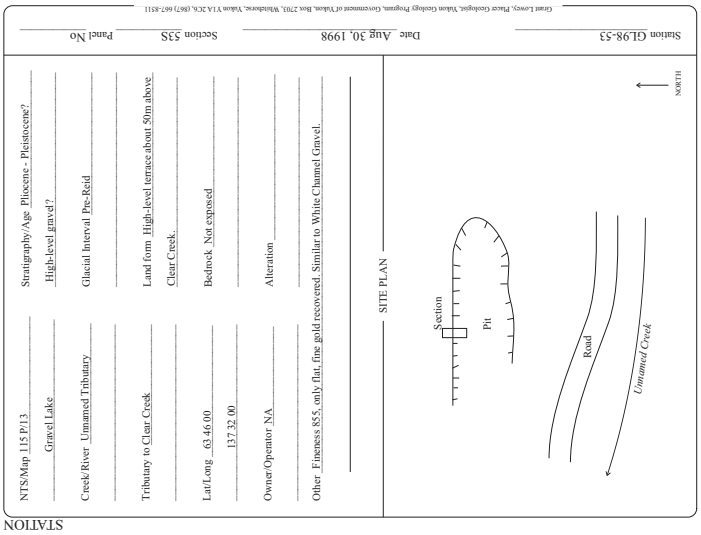
STATION
NTS/Map 115 P/13
Stratigraphy/Age Pliocene - Pleistocene?
Gravel Lake
High-level gravel?
Creek/River Unnamed Tributary
Glacial Interval Pre-Reid
Tributary to Clear Creek
Land form High-level terrace about 50m above Clear Creek.
Lat/Long 63 46 00 137 32 00
Bedrock Not exposed
Owner/Operator NA
Alteration
Other Fineness 855, only flat, fine gold recovered. Similar to White Channel Gravel.
Station GL98-53
Date Aug 30, 1998
Section 53S
Panel No
SITE PLAN
Section
Pit
Road
Unnamed Creek
NORTH
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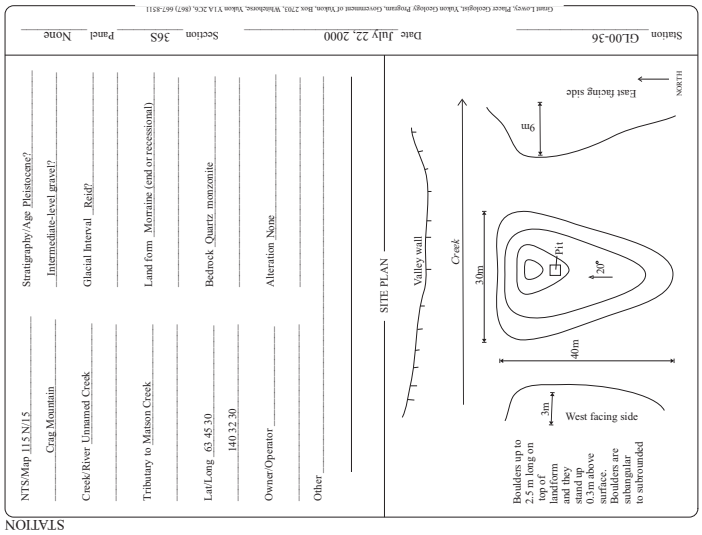
STATION
NTS/Map 115 N/15
Stratigraphy/Age Pleistocene?
Crag Mountain
Intermediate-level gravel?
Creek/River Unnamed Creek
Glacial Interval Reid?
Tributary to Matson Creek
Land form Moraine (end or recessional)
Lat/Long 63 45 30 140 32 30
Bedrock Quartz monzonite
Owner/Operator
Alteration None
Other
Station GL00-36
Date July 22, 2000
Section 36S
Panel None
SITE PLAN
Valley wall
Creek
30m
Pit
20°
40m
9m
East facing side
West facing side
3m
Boulders up to 2.5 m long on top of landform and they stand up 0.3m above surface. Boulders are subangular to subrounded
NORTH
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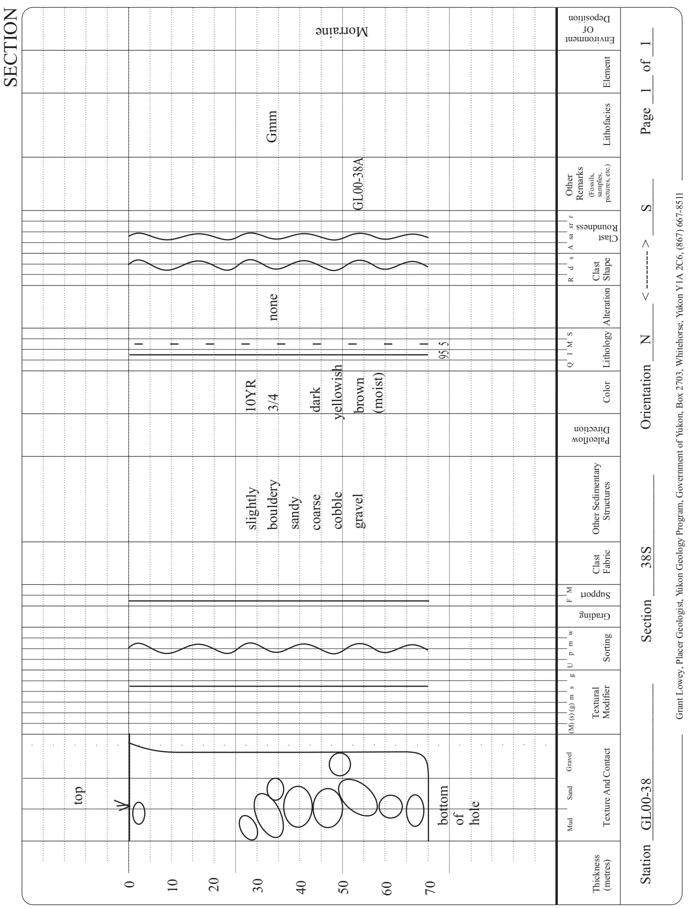
SECTION
Station GL00-38
Section 38S
Orientation N <--------> S
Page 1 of 1
Moraine
Gmm
GL00-38A
none
10YR
3/4
dark
yellowish
brown
(moist)
95 5
slightly
bouldery
sandy
coarse
cobble
gravel
top
bottom
of
hole
0
10
20
30
40
50
60
70
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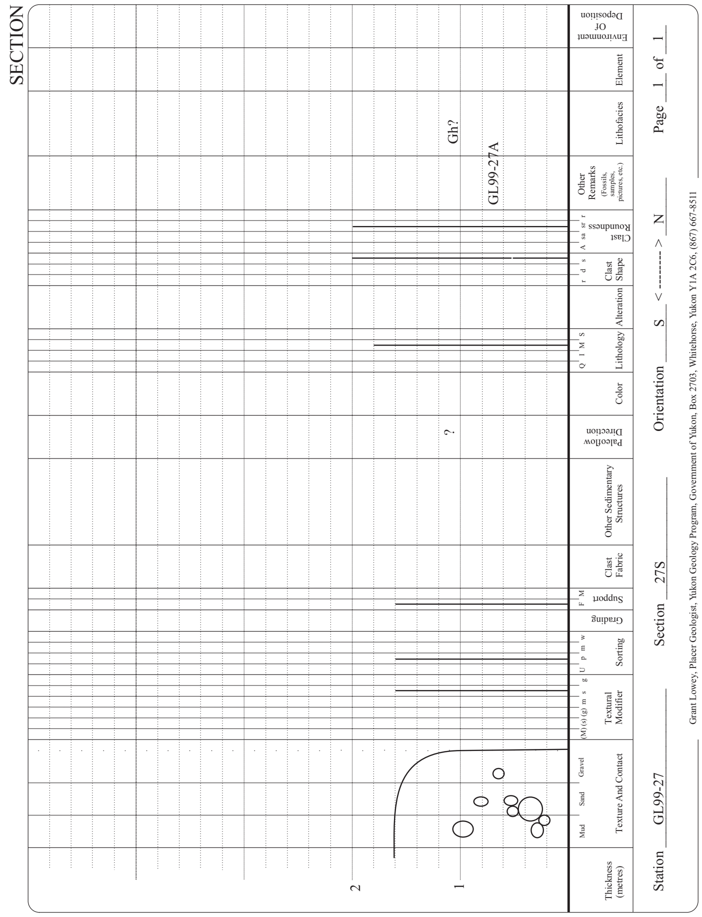
SECTION
Station GL99-27
Section 27S
Orientation S <--------> N
Page 1 of 1
Gh?
GL99-27A
?
1
2
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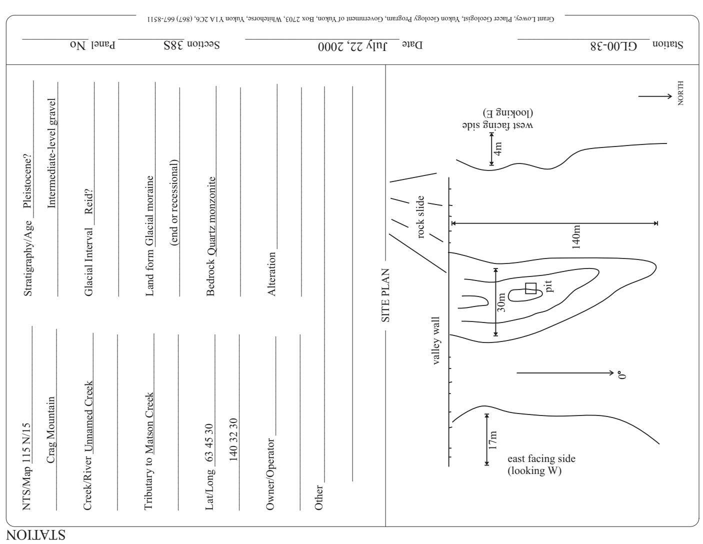
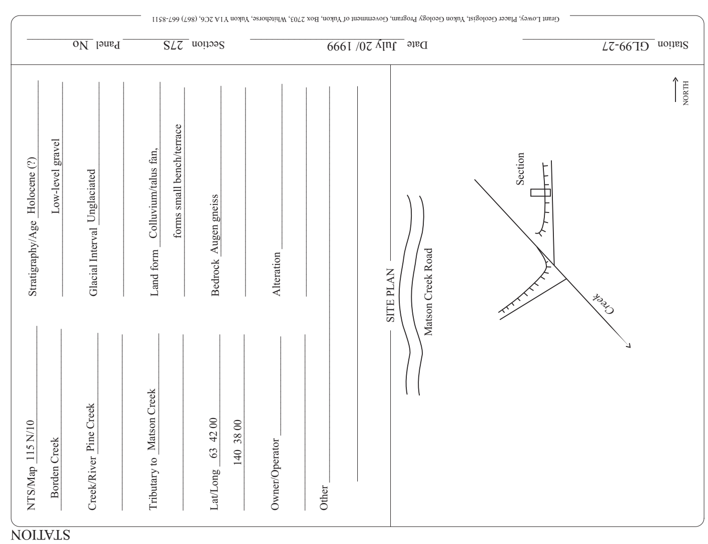
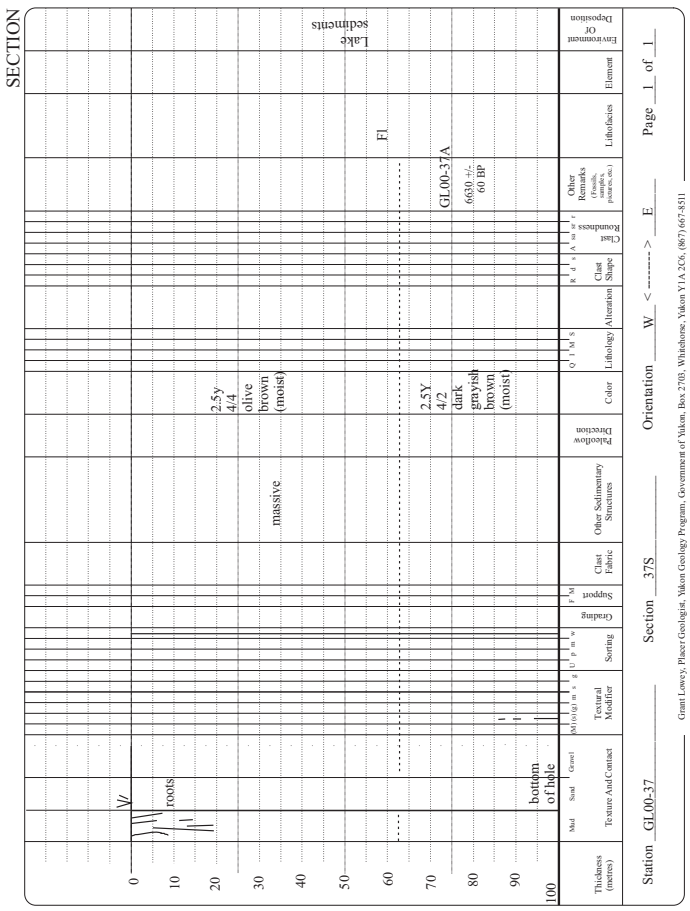

STATION
Station GL00-38
Date July 22, 2000
Section 38S
Panel No
NTS/Map 115 N/15
Crag Mountain
Creek/River Unnamed Creek
Tributary to Matson Creek
Lat/Long 63 45 30
140 32 30
Owner/Operator
Other
Stratigraphy/Age Pleistocene?
Intermediate-level gravel
Glacial Interval Reid?
Land form Glacial moraine
(end or recessional)
Bedrock Quartz monzonite
Alteration
SITE PLAN
west facing side
(looking E)
4m
rock slide
140m
pit
30m
valley wall
0°
17m
east facing side
(looking W)
NORTH


STATION
Station GL99-27
Date July 20/ 1999
Section 27S
Panel No
NTS/Map 115 N/10
Borden Creek
Creek/River Pine Creek
Tributary to Matson Creek
Lat/Long 63 42 00
140 38 00
Owner/Operator
Other
Stratigraphy/Age Holocene (?)
Low-level gravel
Glacial Interval Unglaciated
Land form Colluvium/talus fan,
forms small bench/terrace
Bedrock Augen gneiss
Alteration
SITE PLAN
Matson Creek Road
Section
Creek
NORTH


SECTION
roots
massive
2.5y 4/4 olive brown (moist)
2.5Y 4/2 dark grayish brown (moist)
GL00-37A
6630 +/- 60 BP
bottom of hole
Fl
Lake sediments
Station GL00-37 Section 37S Orientation W < ------ > E Page 1 of 1
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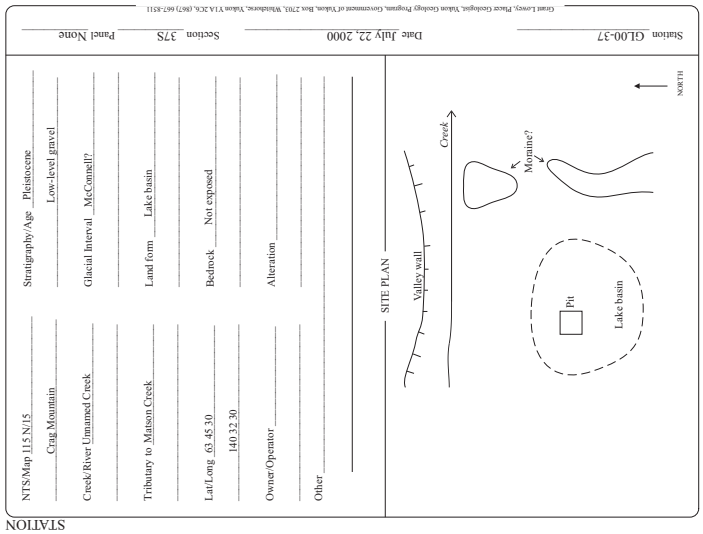
STATION
NTS/Map 115 N/15
Stratigraphy/Age Pleistocene
Low-level gravel
Glacial Interval McConnell?
Tributary to Matson Creek
Land form Lake basin
Bedrock Not exposed
Alteration
Lat/Long 63 45 30
140 32 30
Other
Panel None
Section 37S
Date July 22, 2000
Station GL00-37
SITE PLAN
Valley wall
Creek
Moraine?
Pit
Lake basin
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