

Annexe B

Annexe B-1 : Résultats de l'étude spectrométrique

La spectroscopie de réflectance identifie facilement et rapidement de nombreux minéraux d'altération. Dans le proche infrarouge, la spectroscopie nous permet de déterminer les minéraux contenant du fer, du cuivre ou du manganèse tels que les pyroxènes ou amphiboles, ou encore la goethite et l'hématite. Dans l'infrarouge de courte longueur d'onde, la spectroscopie nous permet de déterminer les minéraux contenant de l'eau, des carbonates ou un groupement OH.

L'utilisation du système spectrométrique ASD TerraSpec (spectrométrie en longueur d'onde de 320 à 2500 nm) sur la totalité de nos échantillons nous a permis de déterminer les principales phases minéralogiques argileuses présentes dans les roches de la propriété. Le logiciel TSG 7 nous a permis d'interpréter plus simplement les spectres obtenus.

Le champ « spectral » indique que le logiciel n'a pas réussi à identifier un minéral d'altération. Bien souvent, ce champ apparaît quand la roche n'est pas altérée comme par exemple, pour les veines de quartz de la propriété St-Robert.

Le champ « null » indique simplement qu'il n'y a pas de minéral d'altération détectable, d'après le logiciel.

Annexe B-1 : Résultats de l'étude spectrométrique

| Échantillons | Minéral dominant 1 (SWIR) | % poids | Minéral dominant 2 (SWIR) | % poids | Erreur | Type de roche |
|--------------|---------------------------|---------|---------------------------|---------|--------|----------------------|
| CM01 | Aspectral | 1 | | 0 | 1000 | sédiments |
| CM02 | Aspectral | 1 | | 0 | 844.97 | sédiments (+py) |
| CM03 | Aspectral | 1 | | 0 | 1000 | |
| CM04 | Aspectral | 1 | | 0 | 1000 | |
| CM05 | Aspectral | 1 | | 0 | 495.3 | sédiments (+py) |
| CM07 | Aspectral | 1 | | 0 | 1000 | |
| CM11 | Muscovite | 1 | | 0 | 83.936 | rhyolite |
| CM12 | NULL | 0 | | 0 | NULL | sédiments |
| CM13 | Muscovite | 1 | | 0 | 81.714 | sédim. Chauffés |
| CM14 | Muscovite | 1 | | 0 | 135.79 | porphyre |
| FG01 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| FG03 | Aspectral | 1 | | 0 | 1000 | sédiments (+py) |
| GC01 | Palygorskite | 1 | | 0 | 694.02 | quartz |
| GC02E | Muscovite | 1 | | 0 | 107.33 | sed. + quartz |
| GC02V | NULL | 0 | | 0 | NULL | quartz mnx |
| GC04 | Aspectral | 1 | | 0 | 1000 | sédiments |
| GC05 | Aspectral | 1 | | 0 | 1000 | sédiments |
| GC06 | Muscovite | 1 | | 0 | 39.994 | porphyre |
| GC07 | Aspectral | 1 | | 0 | 1000 | breche hydrothermale |
| GC08 | Illitic Muscovite | 1 | | 0 | 44.308 | rhyolite porphyrique |
| GC09 | Muscovite | 1 | | 0 | 39.763 | quartz |
| GC10 | Muscovite | 1 | | 0 | 45.206 | porphyre |
| GC11 | Muscovite | 1 | | 0 | 43.818 | rhyolite |
| GC12 | Muscovite | 1 | | 0 | 54.019 | porphyre |
| GC13 | Muscovite | 1 | | 0 | 66.716 | rhyolite |
| GC14 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| GC15 | Aspectral | 1 | | 0 | 1000 | quartz stérile |
| GC16 | Muscovite | 1 | | 0 | 84.405 | porphyre |
| GC17 | Aspectral | 1 | | 0 | 1000 | quartz (+py) |
| GC18 | Muscovite | 1 | | 0 | 82.721 | rhyolite porphyrique |
| GC19 | Phengite | 0.738 | FeMgChlorite | 0.262 | 37.039 | grès grossier |
| GC20 | Muscovite | 1 | | 0 | 101.65 | porphyre |
| GC20b | Muscovite | 1 | | 0 | 86.897 | porphyre |
| GC21 | Aspectral | 1 | | 0 | 1000 | quartz (+py) |
| GC22 | Muscovite | 1 | | 0 | 90.203 | porphyre |
| GC23 | Muscovite | 1 | | 0 | 45.235 | rhyolite |
| GC24 | Muscovite | 1 | | 0 | 426.26 | quartz stérile |
| GC25 | Muscovite | 1 | | 0 | 43.029 | porphyre |
| GC26 | Muscovite | 1 | | 0 | 128.44 | porphyre |
| GC27 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| GC28 | Aspectral | 1 | | 0 | 1000 | quartz stérile |
| GC29 | Muscovite | 1 | | 0 | 82.617 | porphyre |
| GC30 | Muscovite | 1 | | 0 | 40.988 | porphyre |
| GC31 | Aspectral | 1 | | 0 | 1000 | quartz stérile |
| GC32 | NULL | 0 | | 0 | NULL | quartz orangé |
| GC33 | Aspectral | 1 | | 0 | 1000 | quartz stérile |
| GC34 | NULL | 0 | | 0 | NULL | quartz + sed. |
| GC35 | Muscovite | 1 | | 0 | 197.53 | sed. mnx (py) |
| GC36 | Aspectral | 1 | | 0 | 1000 | quartz orangé |
| GC37 | Muscovite | 1 | | 0 | 92.39 | sed. mnx (py) |
| GC38 | Aspectral | 1 | | 0 | 1000 | quartz stérile |
| GC39 | Muscovite | 1 | | 0 | 85.435 | rhyolite |
| GC40 | Aspectral | 1 | | 0 | 1000 | quartz stérile |
| GC41 | Aspectral | 1 | | 0 | 1000 | quartz (+gn) |
| GC42 | Aspectral | 1 | | 0 | 1000 | quartz (+gn) |

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| Échantillons | Minéral dominant 1 (SWIR) | % poids | Minéral dominant 2 (SWIR) | % poids | Erreur | Type de roche |
|--------------|---------------------------|---------|---------------------------|---------|--------|--------------------------|
| GC43 | Aspectral | 1 | | 0 | 1000 | quartz + sed. Graphiteux |
| GC44 | Aspectral | 1 | | 0 | 1000 | quartz (+py,gn,co) + sed |
| GC45 | Aspectral | 1 | | 0 | 1000 | quartz (+py,gn) |
| GC46 | Aspectral | 1 | | 0 | 1000 | quartz (+co) |
| GC47 | Aspectral | 1 | | 0 | 1000 | quartz stérile |
| GC48 | Aspectral | 1 | | 0 | 1000 | quartz (+ py) |
| GC49 | Aspectral | 1 | | 0 | 1000 | quartz +py) + sed |
| GC50 | Aspectral | 1 | | 0 | 1000 | quartz orangé |
| GC51 | Illitic Muscovite | 1 | | 0 | 47.89 | rhyolite |
| GC52 | Muscovite | 1 | | 0 | 105.68 | porphyre |
| GC53 | Aspectral | 1 | | 0 | 1000 | quartz (+gn) |
| GC54 | Paragonite | 0.703 | Montmorilloni te | 0.297 | 96.944 | rhyolite |
| GC55 | Aspectral | 1 | | 0 | 1000 | quartz (+gn+py) |
| GC56 | Muscovite | 1 | | 0 | 422.45 | quartz |
| GC57 | Aspectral | 1 | | 0 | 1000 | quartz (+py) |
| GC58b | Aspectral | 1 | | 0 | 1000 | Sédiments mnx (py) |
| GC59 | Aspectral | 1 | | 0 | 1000 | quartz (+gn, py) |
| GC60 | Muscovite | 1 | | 0 | 207.79 | sédiments |
| GF04 | Illitic Muscovite | 1 | | 0 | 67.6 | rhyolite |
| SR-01-01 | Aspectral | 1 | | 0 | 891.35 | quartz |
| SR-01-02-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-01-03 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-01-04-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-01-04-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-01-05-E | Phengite | 1 | | 0 | 131.29 | encaissant |
| SR-01-05-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-01-06 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR01c | Muscovite | 1 | | 0 | 46.092 | porphyre |
| SR-04-01 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-04-01-E | Aspectral | 1 | | 0 | 1000 | |
| SR-04-02-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-04-03-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-03-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-04-04-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-04-V | Muscovite | 1 | | 0 | 617.76 | quartz |
| SR-04-05 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-04-06-E1 | Phengite | 1 | | 0 | 62.642 | encaissant |
| SR-04-06-E2 | Phengite | 1 | | 0 | 147.87 | encaissant |
| SR-04-06-V | Aspectral | 1 | | 0 | 885.37 | quartz |
| SR-04-07 | Aspectral | 1 | | 0 | 995.69 | quartz |
| SR-04-08-E1 | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-08-E2 | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-08-E3 | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-08-E4 | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-08-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-04-09 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-04-10 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR04b | Illitic Muscovite | 1 | | 0 | 45.762 | porphyre |
| SR04c | Muscovite | 1 | | 0 | 45.269 | porphyre |
| SR05 | Phengite | 1 | | 0 | 41.605 | porphyre |
| SR06 | Phengite | 1 | | 0 | 46.451 | porphyre |
| SR-06-01 | Aspectral | 1 | | 0 | 1000 | quartz |

Annexe B-1 : Résultats de l'étude spectrométrique

| Échantillons | Minéral dominant 1 (SWIR) | % poids | Minéral dominant 2 (SWIR) | % poids | Erreur | Type de roche |
|-----------------|---------------------------|---------|---------------------------|---------|--------|-----------------|
| SR-06-02-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-06-02-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-06-03 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR07 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| SR-07-01-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-07-02 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-07-03-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-07-03-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-07-04-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR08a | FeMgChlorite | 0.573 | Muscovite | 0.427 | 97.115 | sédiments (+py) |
| SR-09-01 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-09-02-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-09-02-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-09-03 | Palygorskite | 1 | | 0 | 675.94 | quartz |
| SR-09-04 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR09a-3 | NULL | 0 | | 0 | NULL | quartz + sed |
| SR-09b-01-E1 | NULL | 0 | | 0 | NULL | encaissant |
| SR-09b-01-E2 | NULL | 0 | | 0 | NULL | encaissant |
| SR-09b-01-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-09b-02-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-09b-02-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR10 | Aspectral | 1 | | 0 | 1000 | quartz mnx |
| SR10qz | Aspectral | 1 | | 0 | 1000 | quartz |
| SR12 | Muscovite | 1 | | 0 | 75.169 | séd. mnx (py) |
| SR13 | Muscovite | 1 | | 0 | 68.43 | séd. mnx (py) |
| SR14 | Muscovite | 1 | | 0 | 103.83 | séd. mnx (py) |
| SR17b | Muscovite | 1 | | 0 | 121.82 | séd. mnx (py) |
| SR18b | Muscovite | 1 | | 0 | 78.033 | séd. mnx (py) |
| SR19 | Muscovite | 1 | | 0 | 148.67 | séd. mnx (py) |
| SR20 | Muscovite | 1 | | 0 | 99.593 | séd. mnx (py) |
| SR21 | Phengite | 1 | | 0 | 69.53 | séd. (+py) |
| SR-22-01-E | Muscovite | 1 | | 0 | 117.58 | encaissant |
| SR-22-01-V1 | Muscovite | 1 | | 0 | 51.956 | quartz |
| SR-22-01-V2 | Muscovite | 1 | | 0 | 325.88 | quartz |
| SR-22-02-E(2) | Phengite | 1 | | 0 | 95.008 | encaissant |
| SR-22-02-E1 | Phengite | 1 | | 0 | 57.087 | encaissant |
| SR-22-02-V1 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-02-V2 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-03-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-22-03-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-04-E1 | Muscovite | 1 | | 0 | 96.323 | encaissant |
| SR-22-04-E2 | Muscovite | 1 | | 0 | 157.17 | encaissant |
| SR-22-04-V1-Sed | Phengite | 1 | | 0 | 52.313 | encaissant |
| SR-22-04-V1-V | NULL | 0 | | 0 | NULL | quartz |
| SR-22-04-V2 | Muscovite | 1 | | 0 | 556.92 | quartz |
| SR-22-05-E1 | Phengite | 1 | | 0 | 89.33 | encaissant |
| SR-22-05-E2 | Muscovite | 1 | | 0 | 75.096 | encaissant |
| SR-22-05-V1 | Palygorskite | 1 | | 0 | 442.25 | quartz |
| SR-22-05-V2 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-06-E | Muscovite | 1 | | 0 | 146.01 | encaissant |
| SR-22-06-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-00 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-01-E | Muscovite | 1 | | 0 | 129.32 | encaissant |
| SR-22-2-01-V | Aspectral | 1 | | 0 | 1000 | quartz |

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| Échantillons | Minéral dominant 1 (SWIR) | % poids | Minéral dominant 2 (SWIR) | % poids | Erreur | Type de roche |
|-------------------------|---------------------------|---------|---------------------------|---------|--------|---------------|
| SR-22-2-02-E2 | Muscovite | 1 | | 0 | 76.501 | encaissant |
| SR-22-2-02-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-03 | Muscovite | 1 | | 0 | 166.52 | quartz |
| SR-22-2-04-E | Muscovite | 1 | | 0 | 47.392 | encaissant |
| SR-22-2-04-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-05-E | Muscovite | 1 | | 0 | 74.057 | encaissant |
| SR-22-2-05-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-06-E | Phengite | 1 | | 0 | 46.146 | encaissant |
| SR-22-2-06-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-07-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-08-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-22-2-08-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-10-E | Phengite | 1 | | 0 | 77.081 | encaissant |
| SR-22-2-10-V | Palygorskite | 1 | | 0 | 673.81 | quartz |
| SR-22-2-11-V | Aspectral | 1 | | 0 | 751.7 | quartz |
| SR-22-2-12-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-13-E | Muscovite | 1 | | 0 | 281.24 | encaissant |
| SR-22-2-13-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22-2-14-E | Muscovite | 1 | | 0 | 89.842 | encaissant |
| SR-22-2-14-V | Aspectral | 1 | | 0 | 694.28 | quartz |
| SR22a | Muscovite | 1 | | 0 | 83.069 | séd. mnx (py) |
| SR22b | Illitic Muscovite | 1 | | 0 | 90.536 | porphyre |
| SR-22b-01-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22b-03-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-22b-2-01-V | Muscovite | 0.519 | Palygorskite | 0.481 | 218.87 | quartz |
| SR-22b-2-02-E | Muscovite | 1 | | 0 | 154.23 | encaissant |
| SR-22b-2-02-V | Aspectral | 1 | | 0 | 996.84 | quartz |
| SR-22b-2-03-E ESed | Phengite | 1 | | 0 | 153.05 | encaissant |
| SR-22b-2-03-E Eveine | Phengite | 1 | | 0 | 86.546 | quartz +sed |
| SR-24-01-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-24-02-E | Phengite | 1 | | 0 | 53.47 | encaissant |
| SR-24-02-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-24-03-E | Phengite | 1 | | 0 | 92.643 | encaissant |
| SR-24-03-V | Aspectral | 1 | | 0 | 825.67 | quartz |
| SR-24-04-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-24-04-V | Muscovite | 1 | | 0 | 593.58 | quartz |
| SR-24-05-E | Phengite | 1 | | 0 | 65.858 | encaissant |
| SR-24-05-V | Muscovite | 1 | | 0 | 380.78 | quartz |
| SR-24-07-V | Palygorskite | 1 | | 0 | 658.68 | quartz |
| SR-24-08-E | Phengite | 1 | | 0 | 75.42 | encaissant |
| SR-24-08-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-24-09-E | Muscovite | 1 | | 0 | 45.932 | encaissant |
| SR-24-09-E(2) | Muscovite | 1 | | 0 | 97.938 | encaissant |
| SR-24-09-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-24-10-E | Muscovite | 1 | | 0 | 105.43 | encaissant |
| SR-24-10-V | Muscovite | 1 | | 0 | 457.41 | quartz |
| SR-24-11-E | Phengite | 1 | | 0 | 78.451 | encaissant |
| SR-24-11-V | Aspectral | 1 | | 0 | 818.18 | quartz |
| SR-24-12-E1 | Phengite | 1 | | 0 | 117.41 | encaissant |
| SR-24-12-E2 | Muscovite | 1 | | 0 | 123.04 | encaissant |
| SR-24-12-V | Aspectral | 1 | | 0 | 1000 | quartz |

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| Échantillons | Minéral dominant 1 (SWIR) | % poids | Minéral dominant 2 (SWIR) | % poids | Erreur | Type de roche |
|--------------|---------------------------|---------|---------------------------|---------|--------|---------------|
| SR-24b-01-E1 | Muscovite | 1 | | 0 | 82.383 | encaissant |
| SR-24b-01-V | Muscovite | 1 | | 0 | 786.17 | quartz |
| SR-24c-01-E1 | Muscovite | 1 | | 0 | 89.362 | encaissant |
| SR-24c-01-V | Palygorskite | 1 | | 0 | 920.5 | quartz |
| SR-32-01-E | Muscovite | 1 | | 0 | 128.97 | encaissant |
| SR-32-01-V | Palygorskite | 1 | | 0 | 909.41 | quartz |
| SR-32-02 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-32-03 | Muscovite | 1 | | 0 | 209.29 | quartz |
| SR-32-04 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-32-05 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-32-06 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-32-07 | Palygorskite | 1 | | 0 | 789.18 | quartz |
| SR-32-08-E | Phengite | 1 | | 0 | 71.247 | encaissant |
| SR-32-08-V | Muscovite | 1 | | 0 | 660.45 | quartz |
| SR-32-09-V | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-01 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-02 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-03 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-05 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-06 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-07 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-08 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-09 | Muscovite | 1 | | 0 | 83.612 | quartz |
| SR-34-09-E | Muscovite | 1 | | 0 | 109.65 | encaissant |
| SR-34-10 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-11 | Aspectral | 1 | | 0 | 1000 | quartz |
| SR-34-12-E | Muscovite | 1 | | 0 | 85.815 | encaissant |
| SR-34-12-V | Aspectral | 1 | | 0 | 1000 | quartz |

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| Échantillons | Minéral dominant 1 (NIR) | % poids | Minéral dominant 2 (NIR) | % poids | Erreur | Type de roche |
|--------------|--------------------------|---------|--------------------------|---------|--------|----------------------|
| CM01 | Unknown | 1 | | 0 | 500 | sédiments |
| CM02 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| CM03 | Unknown | 1 | | 0 | 500 | |
| CM04 | Unknown | 1 | | 0 | 500 | |
| CM05 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| CM07 | NULL | 0 | | 0 | NULL | |
| CM11 | NULL | 0 | | 0 | NULL | rhyolite |
| CM12 | NULL | 0 | | 0 | NULL | sédiments |
| CM13 | Goethite-2 | 1 | | 0 | 138.72 | sédim. Chauffés |
| CM14 | Goethite-2 | 1 | | 0 | 268.88 | porphyre |
| FG01 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| FG03 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| GC01 | NULL | 0 | | 0 | NULL | quartz |
| GC02E | Goethite-2 | 1 | | 0 | 101.78 | sed. + quartz |
| GC02V | Goethite-2 | 1 | | 0 | 236.17 | quartz mnx |
| GC04 | Unknown | 1 | | 0 | 500 | sédiments |
| GC05 | NULL | 0 | | 0 | NULL | sédiments |
| GC06 | Goethite-2 | 1 | | 0 | 46.81 | porphyre |
| GC07 | Goethite-2 | 1 | | 0 | 91.354 | breche hydrothermale |
| GC08 | Goethite-2 | 1 | | 0 | 400.65 | rhyolite porphyrique |
| GC09 | Goethite-2 | 1 | | 0 | 120.23 | quartz |
| GC10 | NULL | 0 | | 0 | NULL | porphyre |
| GC11 | NULL | 0 | | 0 | NULL | rhyolite |
| GC12 | Goethite-2 | 1 | | 0 | 79.89 | porphyre |
| GC13 | Goethite-2 | 1 | | 0 | 364.92 | rhyolite |
| GC14 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| GC15 | NULL | 0 | | 0 | NULL | quartz stérile |
| GC16 | Goethite-2 | 1 | | 0 | 430.6 | porphyre |
| GC17 | NULL | 0 | | 0 | NULL | quartz (+py) |
| GC18 | NULL | 0 | | 0 | NULL | rhyolite porphyrique |
| GC19 | Unknown | 1 | | 0 | 500 | grès grossier |
| GC20 | Goethite-2 | 1 | | 0 | 80.03 | porphyre |
| GC20b | Goethite-2 | 1 | | 0 | 51.81 | porphyre |
| GC21 | Goethite-2 | 1 | | 0 | 223.58 | quartz (+py) |
| GC22 | NULL | 0 | | 0 | NULL | porphyre |
| GC23 | Goethite-2 | 1 | | 0 | 337.81 | rhyolite |
| GC24 | Goethite-2 | 1 | | 0 | 217.16 | quartz stérile |
| GC25 | Goethite-2 | 1 | | 0 | 142.37 | porphyre |
| GC26 | Goethite-2 | 1 | | 0 | 198.49 | porphyre |
| GC27 | NULL | 0 | | 0 | NULL | sédiments (+py) |
| GC28 | NULL | 0 | | 0 | NULL | quartz stérile |
| GC29 | Goethite-2 | 1 | | 0 | 103.39 | porphyre |
| GC30 | Goethite-2 | 1 | | 0 | 333.62 | porphyre |
| GC31 | Goethite-2 | 1 | | 0 | 275.96 | quartz stérile |
| GC32 | Unknown | 1 | | 0 | 500 | quartz orangé |
| GC33 | NULL | 0 | | 0 | NULL | quartz stérile |
| GC34 | NULL | 0 | | 0 | NULL | quartz + sed. |
| GC35 | Goethite-2 | 1 | | 0 | 161.29 | sed. mnx (py) |
| GC36 | Goethite-2 | 1 | | 0 | 377.35 | quartz orangé |
| GC37 | Goethite-2 | 1 | | 0 | 96.533 | sed. mnx (py) |
| GC38 | NULL | 0 | | 0 | NULL | quartz stérile |
| GC39 | Goethite-2 | 1 | | 0 | 454.87 | rhyolite |
| GC40 | NULL | 0 | | 0 | NULL | quartz stérile |
| GC41 | Unknown | 1 | | 0 | 500 | quartz (+gn) |
| GC42 | Goethite-2 | 1 | | 0 | 334.24 | quartz (+gn) |

Annexe B-1 : Résultats de l'étude spectrométrique

| Échantillons | Minéral dominant 1 (NIR) | % poids | Minéral dominant 2 (NIR) | % poids | Erreur | Type de roche |
|--------------|--------------------------|---------|--------------------------|---------|--------|--------------------------|
| GC43 | NULL | 0 | | 0 | NULL | quartz + sed. Graphiteux |
| GC44 | NULL | 0 | | 0 | NULL | quartz (+py,gn,co) + sed |
| GC45 | NULL | 0 | | 0 | NULL | quartz (+py,gn) |
| GC46 | Goethite-1 | 1 | | 0 | 174.83 | quartz (+co) |
| GC47 | Unknown | 1 | | 0 | 500 | quartz stérile |
| GC48 | Unknown | 1 | | 0 | 500 | quartz (+ py) |
| GC49 | NULL | 0 | | 0 | NULL | quartz +py) + sed |
| GC50 | NULL | 0 | | 0 | NULL | quartz orangé |
| GC51 | Goethite-2 | 1 | | 0 | 386.3 | rhyolite |
| GC52 | Unknown | 1 | | 0 | 500 | porphyre |
| GC53 | NULL | 0 | | 0 | NULL | quartz (+gn) |
| GC54 | NULL | 0 | | 0 | NULL | rhyolite |
| GC55 | Goethite-1 | 0.634 | Hematite | 0.366 | 48.228 | quartz (+gn+py) |
| GC56 | NULL | 0 | | 0 | NULL | quartz |
| GC57 | Goethite-1 | 1 | | 0 | 131.78 | quartz (+py) |
| GC58b | Unknown | 1 | | 0 | 500 | Sédiments mnx (py) |
| GC59 | Goethite-1 | 1 | | 0 | 141.04 | quartz (+gn, py) |
| GC60 | Goethite-2 | 1 | | 0 | 108.29 | sédiments |
| GF04 | NULL | 0 | | 0 | NULL | rhyolite |
| SR-01-01 | NULL | 0 | | 0 | NULL | quartz |
| SR-01-02-V | Goethite-1 | 1 | | 0 | 294.42 | quartz |
| SR-01-03 | NULL | 0 | | 0 | NULL | quartz |
| SR-01-04-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-01-04-V | Unknown | 1 | | 0 | 500 | quartz |
| SR-01-05-E | Goethite-2 | 1 | | 0 | 353.74 | encaissant |
| SR-01-05-V | NULL | 0 | | 0 | NULL | quartz |
| SR-01-06 | NULL | 0 | | 0 | NULL | quartz |
| SR01c | Goethite-2 | 1 | | 0 | 133.66 | porphyre |
| SR-04-01 | Goethite-2 | 1 | | 0 | 266.24 | quartz |
| SR-04-01-E | NULL | 0 | | 0 | NULL | |
| SR-04-02-V | NULL | 0 | | 0 | NULL | quartz |
| SR-04-03-E | Goethite-2 | 1 | | 0 | 58.746 | encaissant |
| SR-04-03-V | Goethite-1 | 1 | | 0 | 101.11 | quartz |
| SR-04-04-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-04-V | Goethite-1 | 1 | | 0 | 160.73 | quartz |
| SR-04-05 | Goethite-1 | 1 | | 0 | 223.21 | quartz |
| SR-04-06-E1 | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-06-E2 | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-06-V | Unknown | 1 | | 0 | 500 | quartz |
| SR-04-07 | NULL | 0 | | 0 | NULL | quartz |
| SR-04-08-E1 | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-08-E2 | NULL | 0 | | 0 | NULL | encaissant |
| SR-04-08-E3 | Goethite-2 | 1 | | 0 | 280.63 | encaissant |
| SR-04-08-E4 | Goethite-2 | 1 | | 0 | 165.49 | encaissant |
| SR-04-08-V | NULL | 0 | | 0 | NULL | quartz |
| SR-04-09 | Goethite-1 | 1 | | 0 | 157.4 | quartz |
| SR-04-10 | Goethite-2 | 1 | | 0 | 195.52 | quartz |
| SR04b | NULL | 0 | | 0 | NULL | porphyre |
| SR04c | Goethite-2 | 1 | | 0 | 118.8 | porphyre |
| SR05 | Unknown | 1 | | 0 | 500 | porphyre |
| SR06 | NULL | 0 | | 0 | NULL | porphyre |
| SR-06-01 | NULL | 0 | | 0 | NULL | quartz |

Annexe B-1 : Résultats de l'étude spectrométrique

| Échantillons | Minéral dominant 1 (NIR) | % poids | Minéral dominant 2 (NIR) | % poids | Erreur | Type de roche |
|-----------------|--------------------------|---------|--------------------------|---------|--------|-----------------|
| SR-06-02-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-06-02-V | Goethite-2 | 1 | | 0 | 218.76 | quartz |
| SR-06-03 | NULL | 0 | | 0 | NULL | quartz |
| SR07 | Unknown | 1 | | 0 | 500 | sédiments (+py) |
| SR-07-01-V | Goethite-1 | 1 | | 0 | 50.793 | quartz |
| SR-07-02 | NULL | 0 | | 0 | NULL | quartz |
| SR-07-03-E | Goethite-2 | 1 | | 0 | 103.53 | encaissant |
| SR-07-03-V | Goethite-2 | 1 | | 0 | 206.29 | quartz |
| SR-07-04-V | Goethite-2 | 1 | | 0 | 455.79 | quartz |
| SR08a | Unknown | 1 | | 0 | 500 | sédiments (+py) |
| SR-09-01 | Goethite-1 | 1 | | 0 | 107.84 | quartz |
| SR-09-02-E | Goethite-2 | 1 | | 0 | 119.03 | encaissant |
| SR-09-02-V | NULL | 0 | | 0 | NULL | quartz |
| SR-09-03 | NULL | 0 | | 0 | NULL | quartz |
| SR-09-04 | NULL | 0 | | 0 | NULL | quartz |
| SR09a-3 | NULL | 0 | | 0 | NULL | quartz + sed |
| SR-09b-01-E1 | NULL | 0 | | 0 | NULL | encaissant |
| SR-09b-01-E2 | Goethite-2 | 1 | | 0 | 238.47 | encaissant |
| SR-09b-01-V | NULL | 0 | | 0 | NULL | quartz |
| SR-09b-02-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-09b-02-V | Goethite-1 | 1 | | 0 | 81.558 | quartz |
| SR10 | NULL | 0 | | 0 | NULL | quartz mnx |
| SR10qz | Unknown | 1 | | 0 | 500 | quartz |
| SR12 | NULL | 0 | | 0 | NULL | séd. mnx (py) |
| SR13 | Unknown | 1 | | 0 | 500 | séd. mnx (py) |
| SR14 | NULL | 0 | | 0 | NULL | séd. mnx (py) |
| SR17b | NULL | 0 | | 0 | NULL | séd. mnx (py) |
| SR18b | NULL | 0 | | 0 | NULL | séd. mnx (py) |
| SR19 | NULL | 0 | | 0 | NULL | séd. mnx (py) |
| SR20 | NULL | 0 | | 0 | NULL | séd. mnx (py) |
| SR21 | NULL | 0 | | 0 | NULL | séd. (+py) |
| SR-22-01-E | Goethite-2 | 1 | | 0 | 84.295 | encaissant |
| SR-22-01-V1 | Goethite-2 | 1 | | 0 | 171.41 | quartz |
| SR-22-01-V2 | Goethite-2 | 1 | | 0 | 405.5 | quartz |
| SR-22-02-E(2) | Goethite-2 | 1 | | 0 | 64.341 | encaissant |
| SR-22-02-E1 | Goethite-2 | 1 | | 0 | 47.669 | encaissant |
| SR-22-02-V1 | NULL | 0 | | 0 | NULL | quartz |
| SR-22-02-V2 | NULL | 0 | | 0 | NULL | quartz |
| SR-22-03-E | Goethite-1 | 1 | | 0 | 257.84 | encaissant |
| SR-22-03-V | Goethite-1 | 0.604 | Hematite | 0.396 | 55.933 | quartz |
| SR-22-04-E1 | Goethite-2 | 1 | | 0 | 89.102 | encaissant |
| SR-22-04-E2 | Goethite-2 | 1 | | 0 | 144.69 | encaissant |
| SR-22-04-V1-Sed | Goethite-2 | 1 | | 0 | 228.96 | encaissant |
| SR-22-04-V1-V | NULL | 0 | | 0 | NULL | quartz |
| SR-22-04-V2 | Goethite-2 | 1 | | 0 | 150.8 | quartz |
| SR-22-05-E1 | Goethite-2 | 1 | | 0 | 34.296 | encaissant |
| SR-22-05-E2 | Goethite-2 | 1 | | 0 | 37.284 | encaissant |
| SR-22-05-V1 | NULL | 0 | | 0 | NULL | quartz |
| SR-22-05-V2 | NULL | 0 | | 0 | NULL | quartz |
| SR-22-06-E | Goethite-2 | 1 | | 0 | 124.33 | encaissant |
| SR-22-06-V | Unknown | 1 | | 0 | 500 | quartz |
| SR-22-2-00 | NULL | 0 | | 0 | NULL | quartz |
| SR-22-2-01-E | Goethite-2 | 1 | | 0 | 71.195 | encaissant |
| SR-22-2-01-V | Goethite-2 | 1 | | 0 | 137.11 | quartz |

Annexe B-1 : Résultats de l'étude spectrométrique

| Échantillons | Minéral dominant 1 (NIR) | % poids | Minéral dominant 2 (NIR) | % poids | Erreur | Type de roche |
|-------------------------|--------------------------|---------|--------------------------|---------|--------|---------------|
| SR-22-2-02-E2 | Goethite-2 | 1 | | 0 | 103.44 | encaissant |
| SR-22-2-02-V | Goethite-2 | 1 | | 0 | 125.01 | quartz |
| SR-22-2-03 | NULL | 0 | | 0 | NULL | quartz |
| SR-22-2-04-E | Goethite-2 | 1 | | 0 | 32.768 | encaissant |
| SR-22-2-04-V | Goethite-2 | 1 | | 0 | 198.49 | quartz |
| SR-22-2-05-E | Goethite-2 | 1 | | 0 | 25.139 | encaissant |
| SR-22-2-05-V | Goethite-2 | 1 | | 0 | 233.15 | quartz |
| SR-22-2-06-E | Goethite-2 | 1 | | 0 | 53.084 | encaissant |
| SR-22-2-06-V | Goethite-1 | 1 | | 0 | 276.66 | quartz |
| SR-22-2-07-V | NULL | 0 | | 0 | NULL | quartz |
| SR-22-2-08-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-22-2-08-V | Goethite-2 | 1 | | 0 | 423.06 | quartz |
| SR-22-2-10-E | Goethite-2 | 1 | | 0 | 97.272 | encaissant |
| SR-22-2-10-V | NULL | 0 | | 0 | NULL | quartz |
| SR-22-2-11-V | Goethite-2 | 1 | | 0 | 235.62 | quartz |
| SR-22-2-12-V | NULL | 0 | | 0 | NULL | quartz |
| SR-22-2-13-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-22-2-13-V | Goethite-1 | 0.778 | Hematite | 0.222 | 45.683 | quartz |
| SR-22-2-14-E | Goethite-2 | 1 | | 0 | 116.42 | encaissant |
| SR-22-2-14-V | NULL | 0 | | 0 | NULL | quartz |
| SR22a | NULL | 0 | | 0 | NULL | séd. mnx (py) |
| SR22b | NULL | 0 | | 0 | NULL | porphyre |
| SR-22b-01-V | NULL | 0 | | 0 | NULL | quartz |
| SR-22b-03-V | NULL | 0 | | 0 | NULL | quartz |
| SR-22b-2-01-V | Goethite-2 | 1 | | 0 | 255.78 | quartz |
| SR-22b-2-02-E | Goethite-2 | 1 | | 0 | 260.33 | encaissant |
| SR-22b-2-02-V | NULL | 0 | | 0 | NULL | quartz |
| SR-22b-2-03-E ESed | Goethite-2 | 1 | | 0 | 40.014 | encaissant |
| SR-22b-2-03-E Eveine | Goethite-2 | 1 | | 0 | 195.86 | quartz +sed |
| SR-24-01-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-24-02-E | Goethite-2 | 1 | | 0 | 157.03 | encaissant |
| SR-24-02-V | Goethite-2 | 1 | | 0 | 188.86 | quartz |
| SR-24-03-E | Goethite-2 | 1 | | 0 | 84.503 | encaissant |
| SR-24-03-V | NULL | 0 | | 0 | NULL | quartz |
| SR-24-04-E | Goethite-2 | 1 | | 0 | 44.614 | encaissant |
| SR-24-04-V | NULL | 0 | | 0 | NULL | quartz |
| SR-24-05-E | Goethite-2 | 1 | | 0 | 71.09 | encaissant |
| SR-24-05-V | Goethite-2 | 1 | | 0 | 385.91 | quartz |
| SR-24-07-V | Goethite-2 | 1 | | 0 | 153.69 | quartz |
| SR-24-08-E | Goethite-2 | 1 | | 0 | 33.299 | encaissant |
| SR-24-08-V | NULL | 0 | | 0 | NULL | quartz |
| SR-24-09-E | Goethite-2 | 1 | | 0 | 118.83 | encaissant |
| SR-24-09-E(2) | Goethite-2 | 1 | | 0 | 72.025 | encaissant |
| SR-24-09-V | NULL | 0 | | 0 | NULL | quartz |
| SR-24-10-E | Goethite-2 | 1 | | 0 | 39.023 | encaissant |
| SR-24-10-V | Goethite-2 | 1 | | 0 | 139.66 | quartz |
| SR-24-11-E | NULL | 0 | | 0 | NULL | encaissant |
| SR-24-11-V | Goethite-2 | 1 | | 0 | 149.9 | quartz |
| SR-24-12-E1 | Unknown | 1 | | 0 | 500 | encaissant |
| SR-24-12-E2 | Goethite-2 | 1 | | 0 | 80.094 | encaissant |
| SR-24-12-V | Goethite-2 | 1 | | 0 | 164.8 | quartz |

Annexe B-1 : Résultats de l'étude spectrométrique

| Échantillons | Minéral dominant 1 (NIR) | % poids | Minéral dominant 2 (NIR) | % poids | Erreur | Type de roche |
|--------------|--------------------------|---------|--------------------------|---------|--------|---------------|
| SR-24b-01-E1 | Goethite-2 | 1 | | 0 | 118.06 | encaissant |
| SR-24b-01-V | Goethite-2 | 1 | | 0 | 128.83 | quartz |
| SR-24c-01-E1 | Goethite-2 | 1 | | 0 | 48.774 | encaissant |
| SR-24c-01-V | NULL | 0 | | 0 | NULL | quartz |
| SR-32-01-E | Goethite-2 | 1 | | 0 | 166.02 | encaissant |
| SR-32-01-V | NULL | 0 | | 0 | NULL | quartz |
| SR-32-02 | Goethite-1 | 1 | | 0 | 116.34 | quartz |
| SR-32-03 | Goethite-2 | 1 | | 0 | 143.07 | quartz |
| SR-32-04 | NULL | 0 | | 0 | NULL | quartz |
| SR-32-05 | Goethite-1 | 1 | | 0 | 267.35 | quartz |
| SR-32-06 | NULL | 0 | | 0 | NULL | quartz |
| SR-32-07 | Goethite-2 | 1 | | 0 | 335.14 | quartz |
| SR-32-08-E | Goethite-2 | 1 | | 0 | 50.047 | encaissant |
| SR-32-08-V | Goethite-1 | 1 | | 0 | 178.04 | quartz |
| SR-32-09-V | Goethite-1 | 1 | | 0 | 160.4 | quartz |
| SR-34-01 | Goethite-1 | 1 | | 0 | 159.26 | quartz |
| SR-34-02 | Goethite-2 | 1 | | 0 | 325.98 | quartz |
| SR-34-03 | Goethite-1 | 1 | | 0 | 63.673 | quartz |
| SR-34-05 | Goethite-2 | 0.617 | Jarosite | 0.383 | 30.361 | quartz |
| SR-34-06 | Goethite-1 | 0.797 | Hematite | 0.203 | 58.397 | quartz |
| SR-34-07 | Goethite-1 | 1 | | 0 | 204.58 | quartz |
| SR-34-08 | Goethite-1 | 1 | | 0 | 215.62 | quartz |
| SR-34-09 | Goethite-2 | 1 | | 0 | 147.29 | quartz |
| SR-34-09-E | Goethite-2 | 1 | | 0 | 296.3 | encaissant |
| SR-34-10 | Goethite-2 | 1 | | 0 | 220.2 | quartz |
| SR-34-11 | NULL | 0 | | 0 | NULL | quartz |
| SR-34-12-E | Goethite-2 | 1 | | 0 | 21.135 | encaissant |
| SR-34-12-V | Goethite-1 | 0.73 | Hematite | 0.27 | 31.201 | quartz |