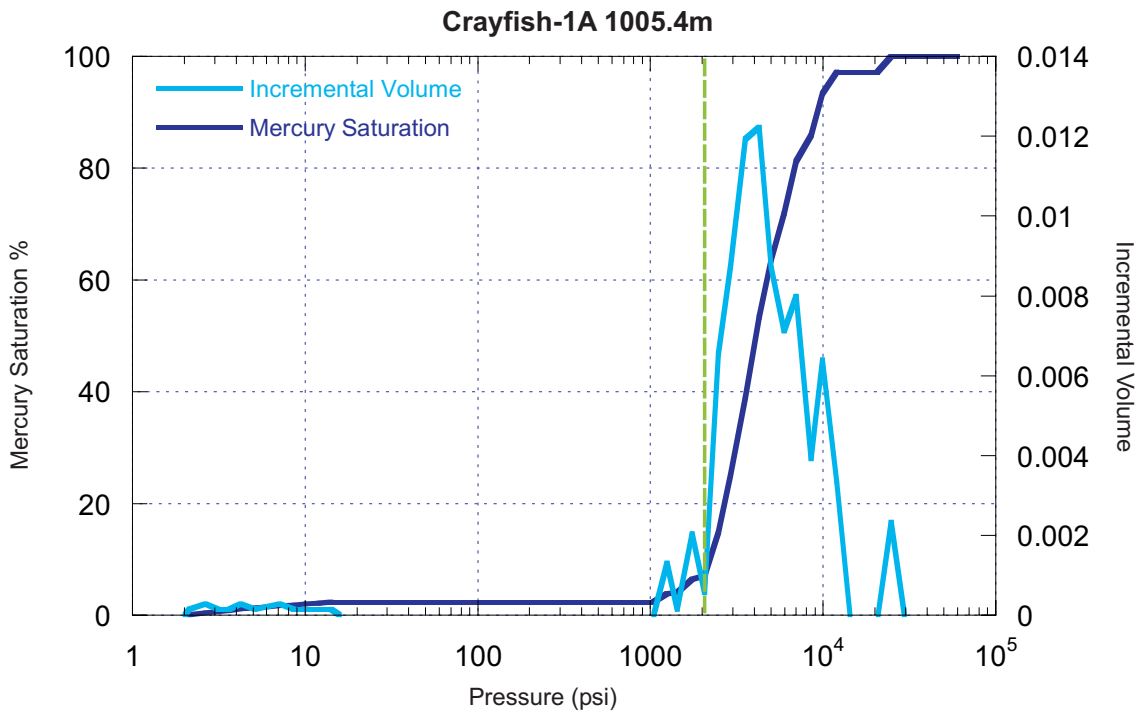
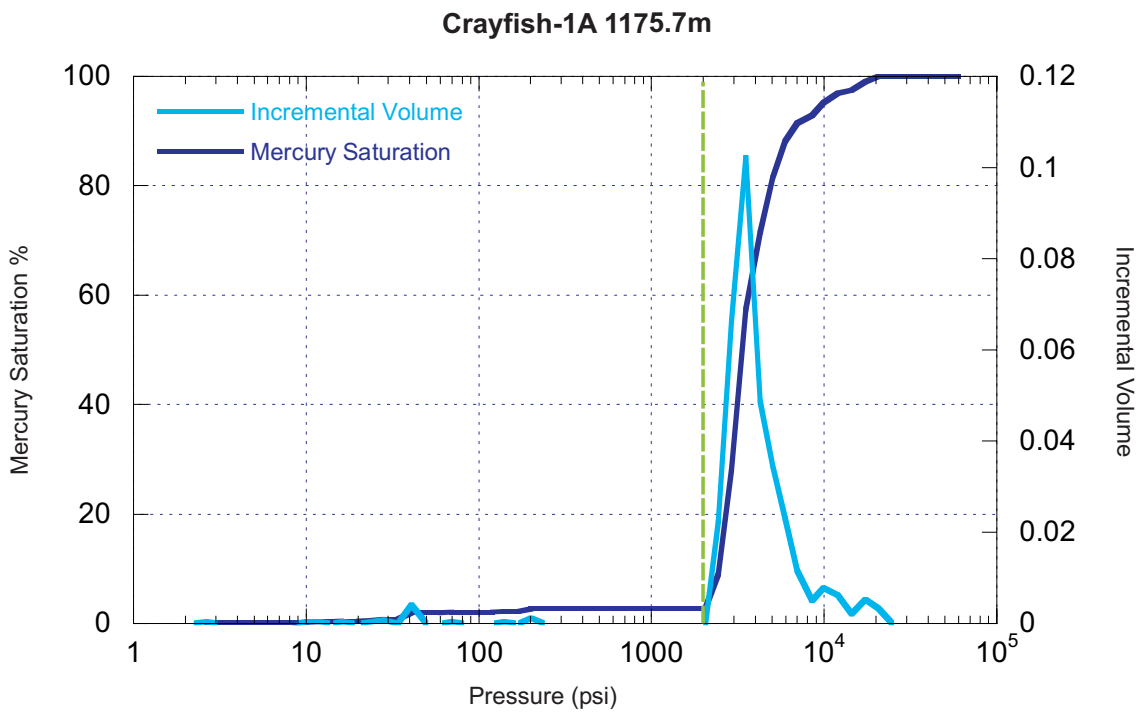


Appendix D

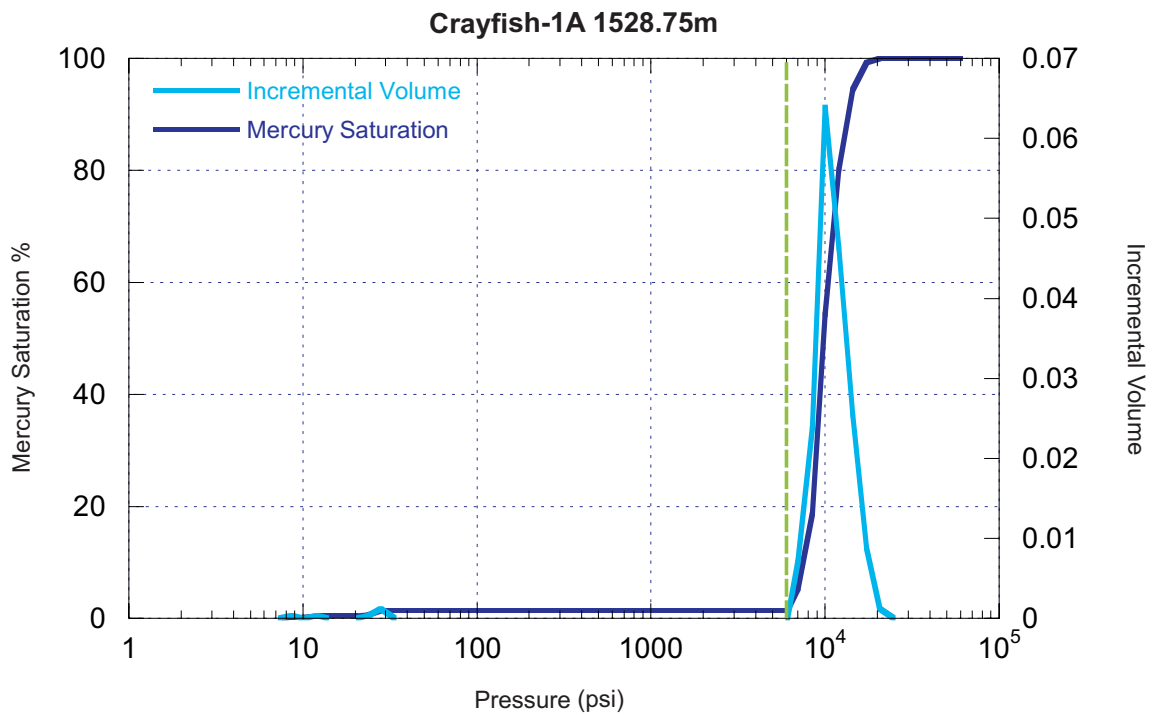
MICP DATA



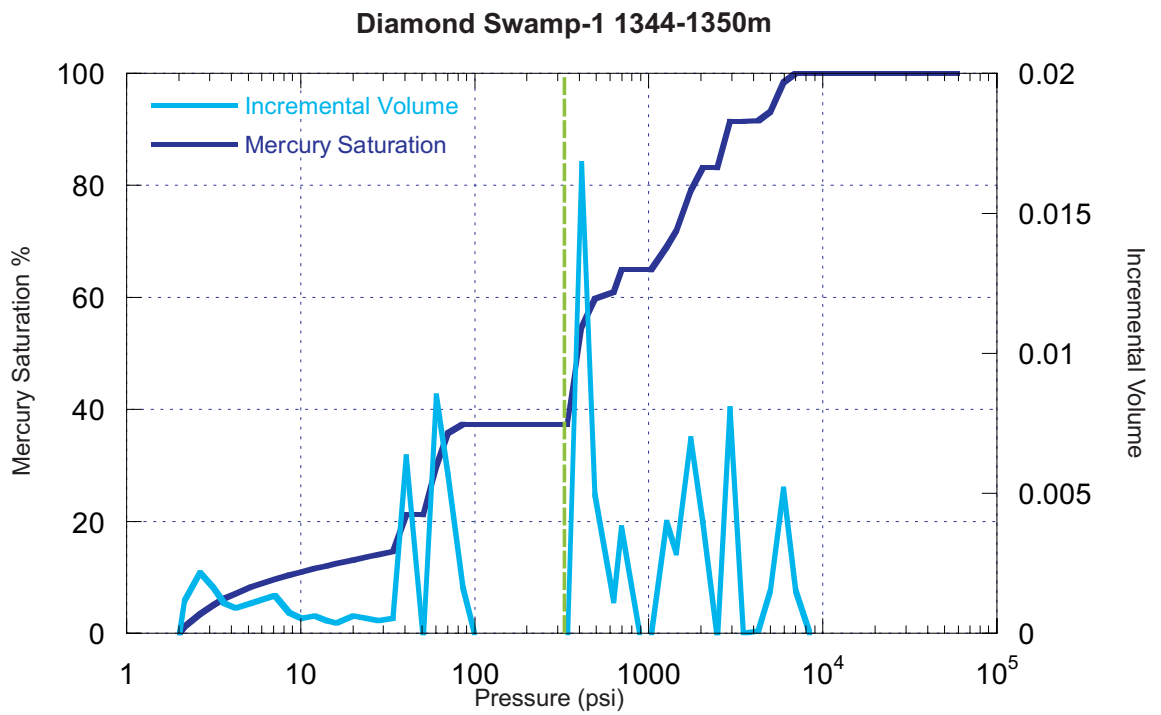
Interval: Eumeralla Fm Unit II
 Sample Type: Core
 Lithology: Fine siltstone (green-gray)
 Clay Mineralogy: Quartz, kaolinite, feldspar, illite, smectite, chlorite
 MICP Calculated Porosity: 13.2229%
 Threshold pressure: 2062psi



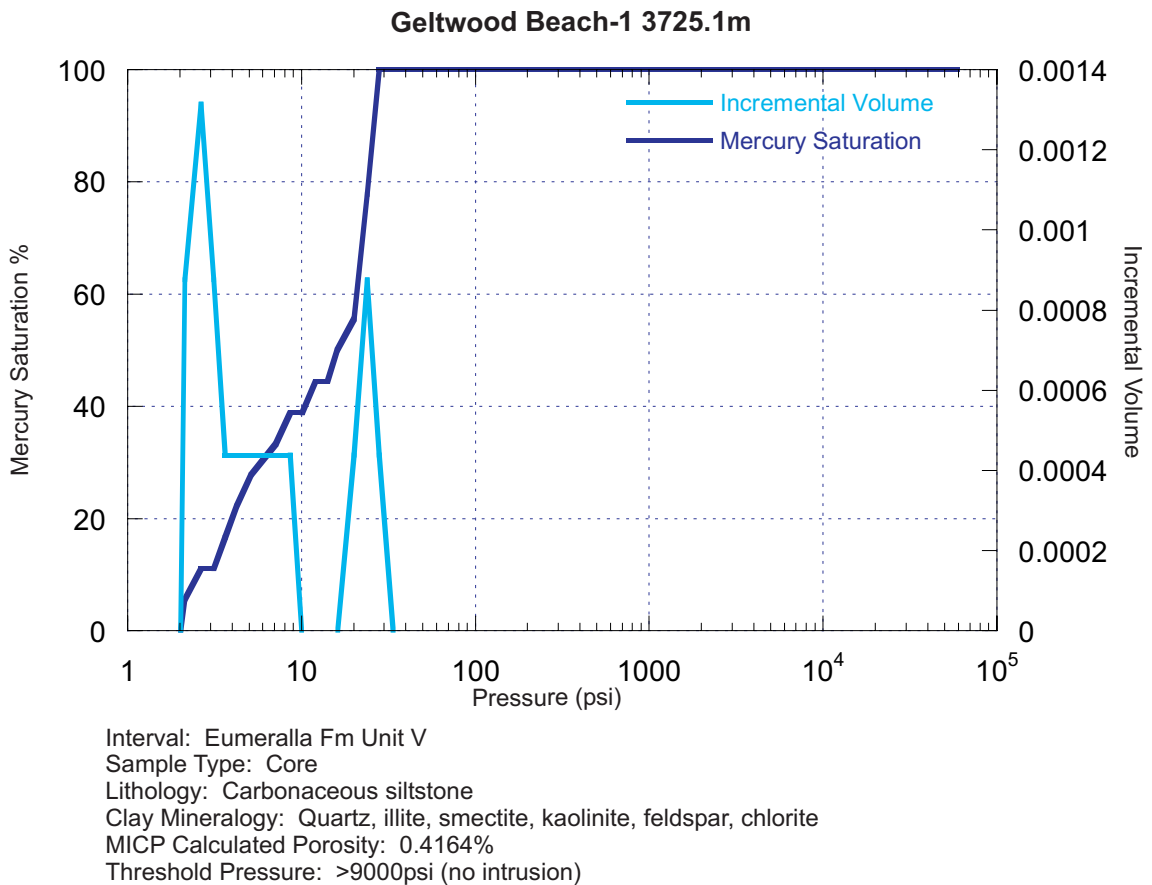
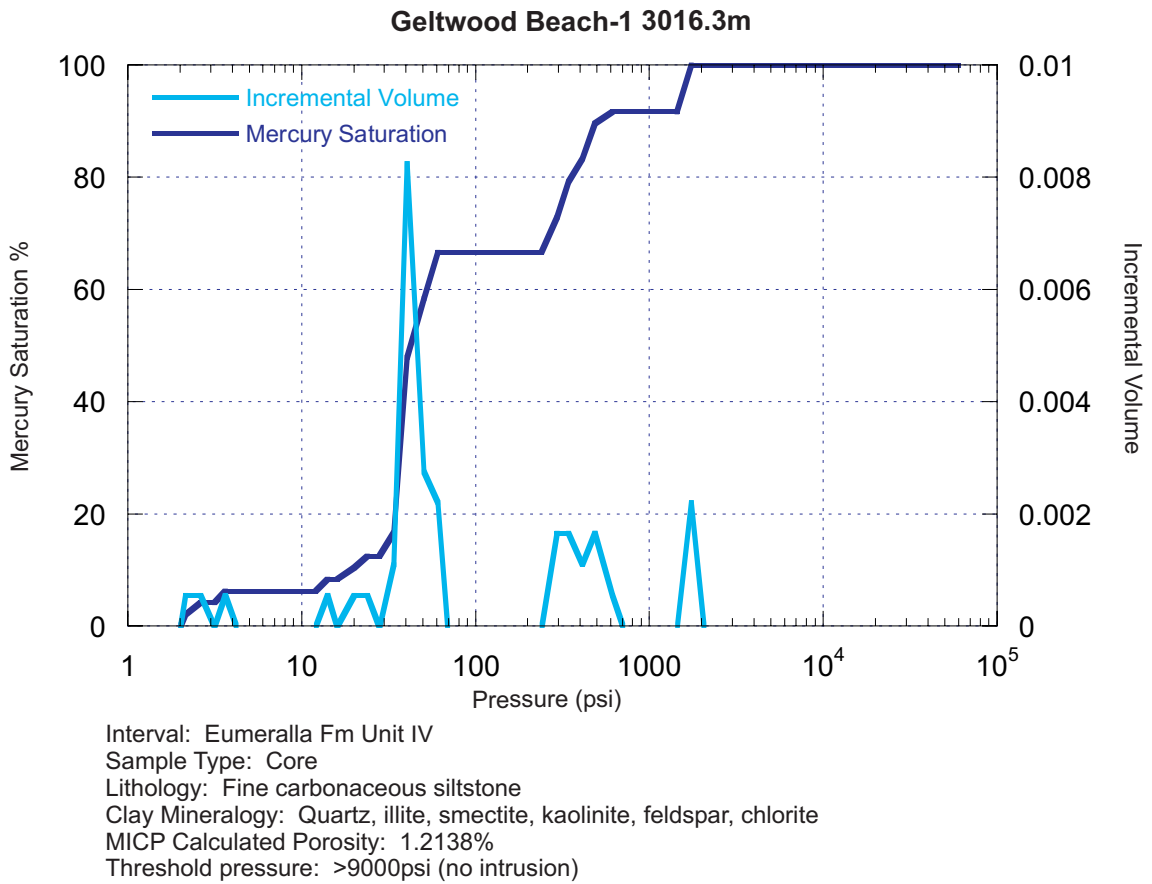
Interval: Eumeralla Fm Unit III
 Sample Type: Core
 Lithology: Fine siltstone (light gray)
 Clay Mineralogy: Quartz, kaolinite, feldspar, illite, chlorite, smectite, muscovite
 MICP Calculated Porosity: 17.5345%
 Threshold Pressure: 2049psi

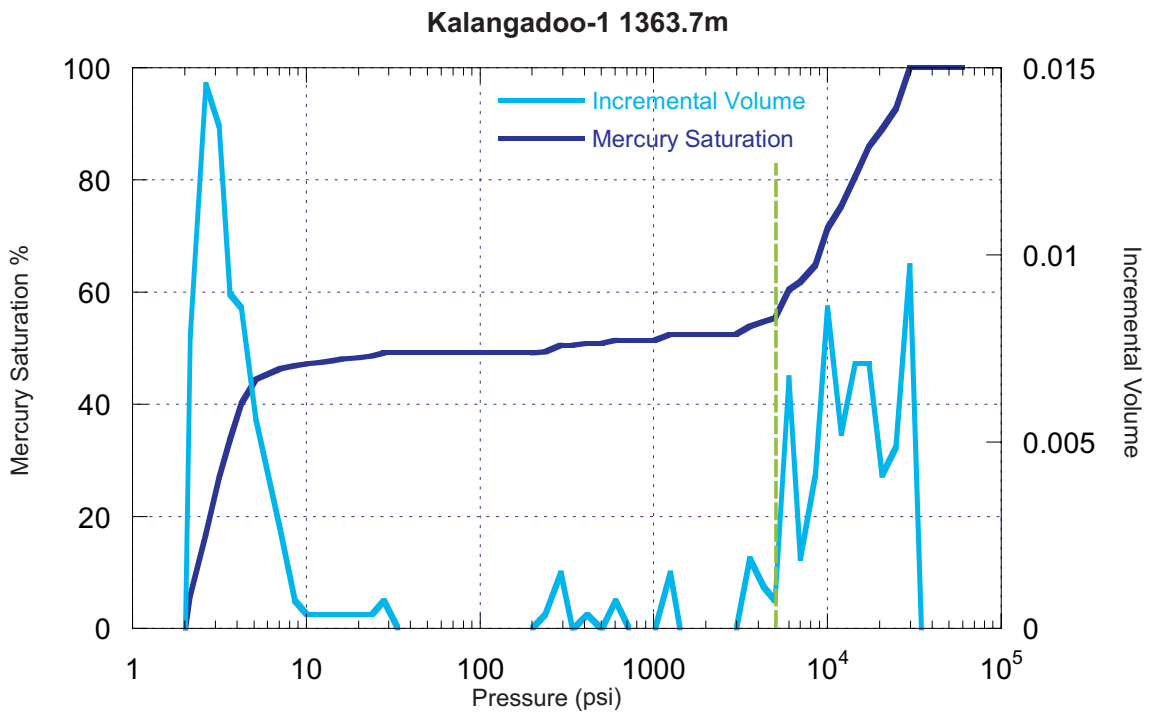
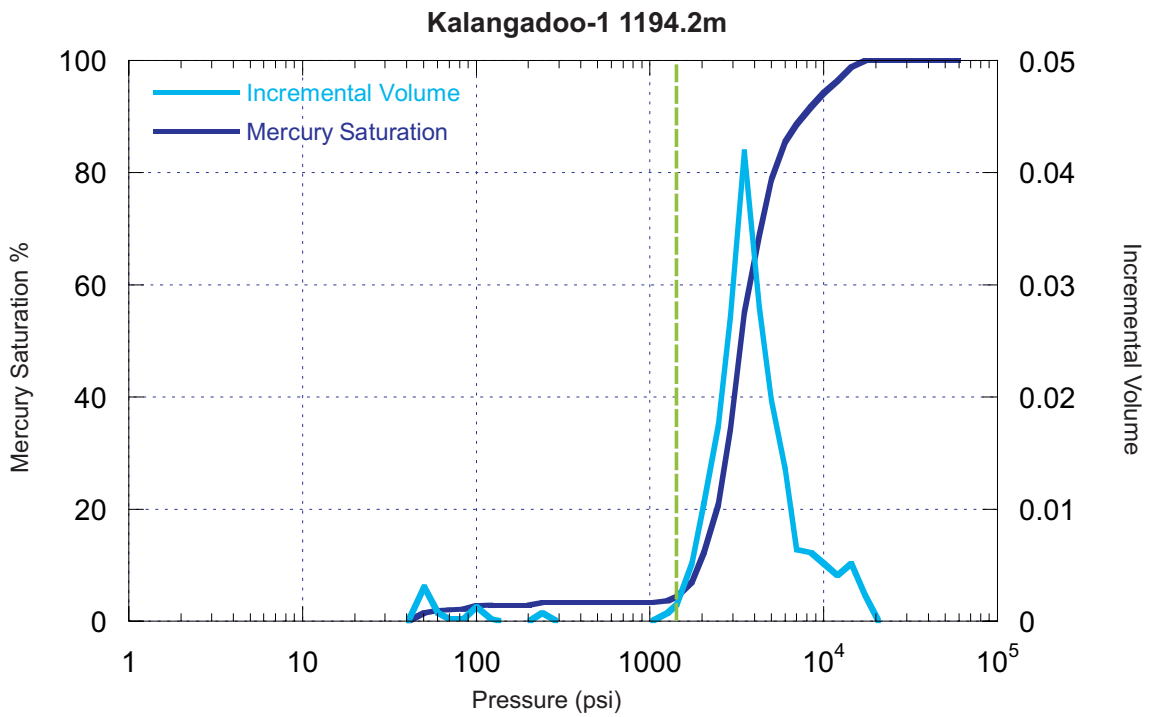


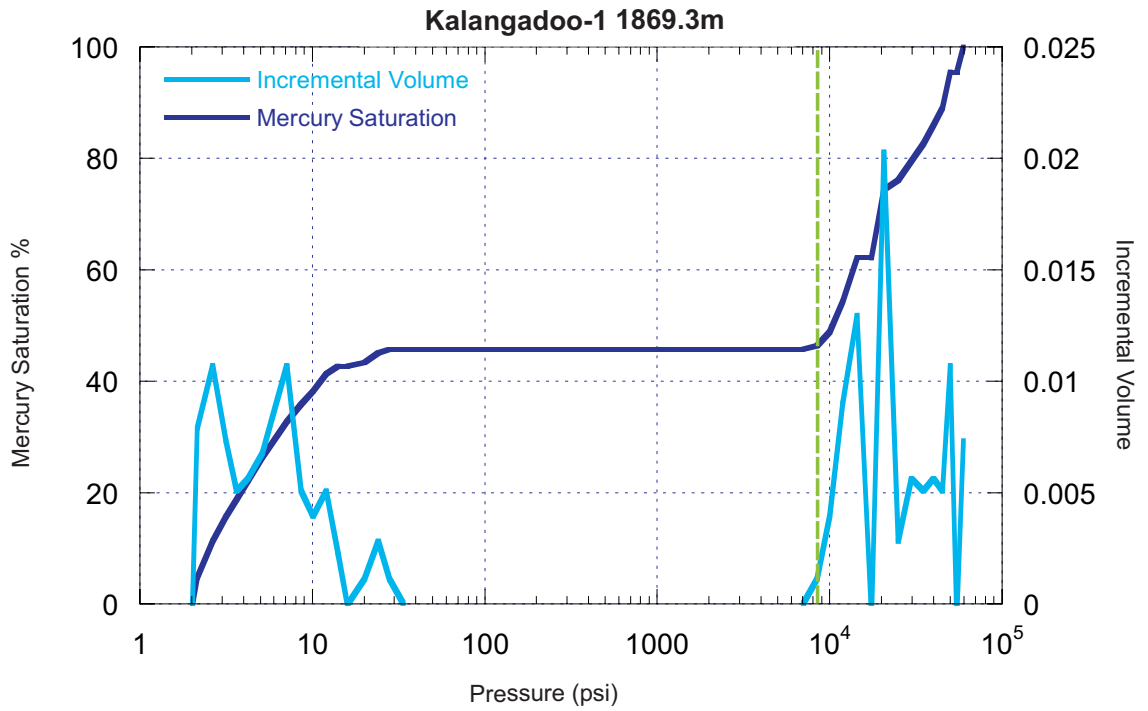
Interval: Eumeralla Fm Unit V
 Sample Type: Core
 Lithology: Carbonaceous claystone
 Clay Mineralogy: Quartz, feldspar, kaolinite, illite, smectite
 MICP Calculated Porosity: %
 Threshold pressure: 6023psi



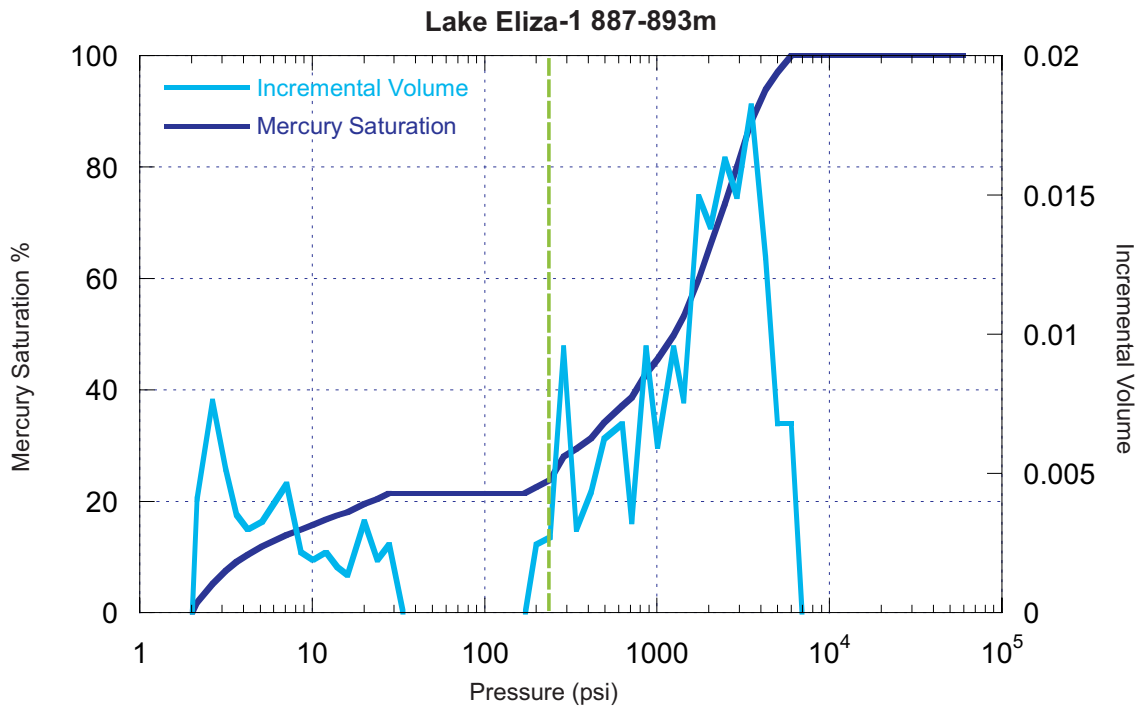
Interval: Eumeralla Fm Unit V
 Sample Type: Cuttings
 Lithology: Calcareous siltstone
 Clay Mineralogy: Quartz, feldspar, kaolinite, calcite, chlorite, illite, smectite
 MICP Calculated Porosity: 19.8491%
 Threshold Pressure: 341psi



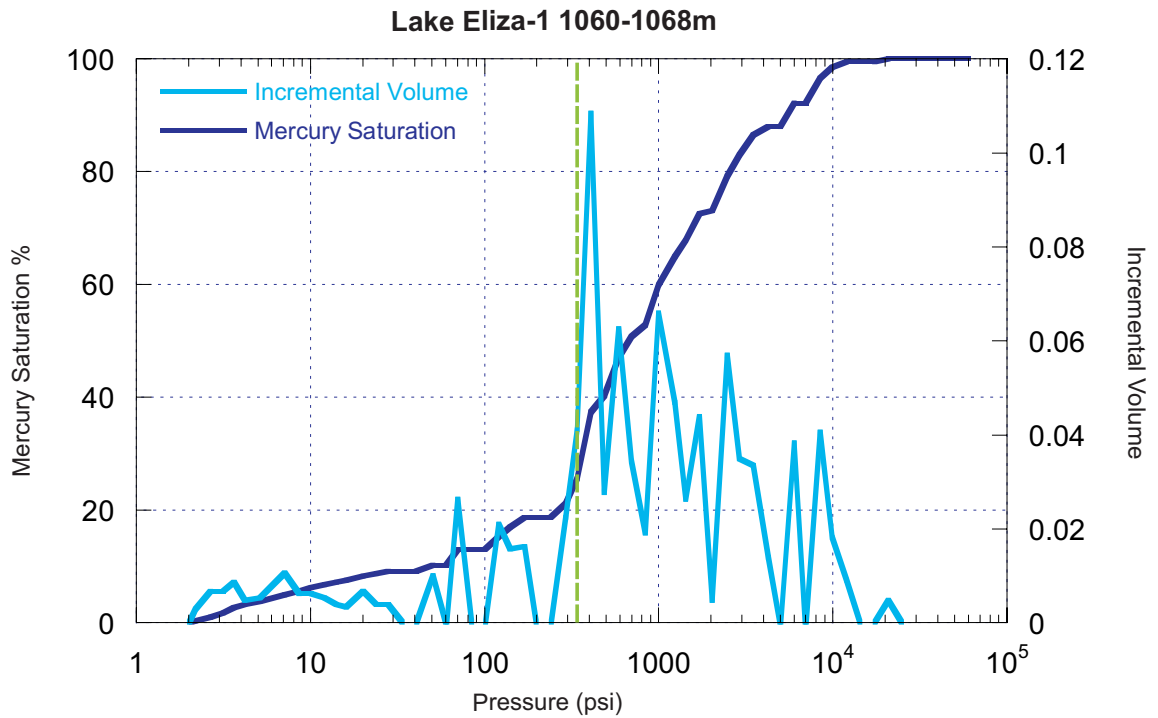




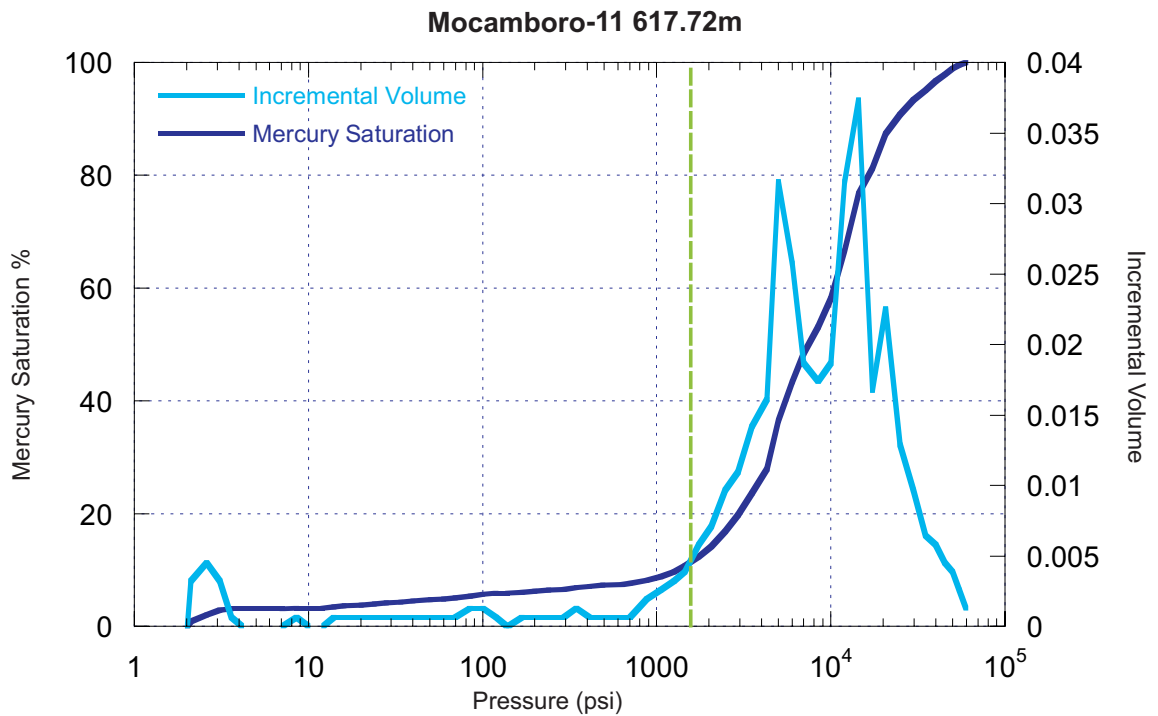
Interval: Eumeralla Fm Unit V
 Sample Type: Core
 Lithology: Carbonaceous siltstone
 Clay Mineralogy: Quartz, kaolinite, feldspar, illite, smectite, chlorite
 MICP Calculated Porosity: 6.1635%
 Threshold pressure: 8485psi



Interval: Eumeralla Fm Unit IV
 Sample Type: Cuttings
 Lithology: Coarse siltstone
 Clay Mineralogy: Quartz, calcite, feldspar, kaolinite, chlorite, illite, smectite
 MICP Calculated Porosity: 14.9520%
 Threshold Pressure: 239psi

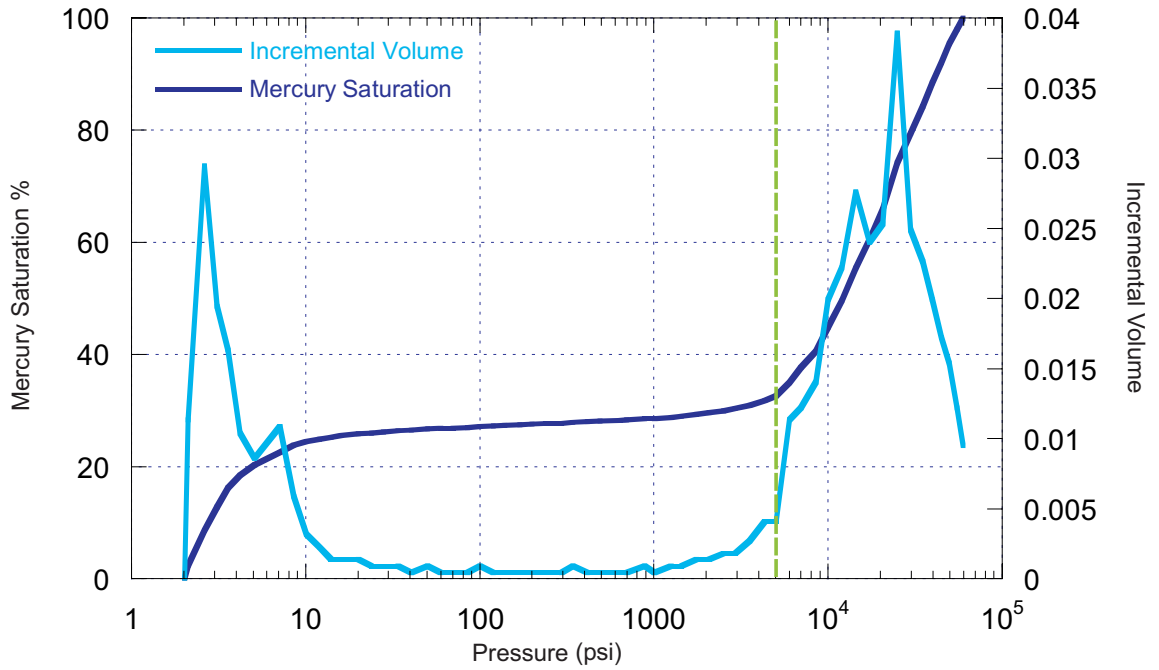


Interval: Eumeralla Fm Unit V
 Sample Type: Cuttings
 Lithology: Siltstone
 Clay Mineralogy: Quartz, kaolinite, feldspar, chlorite, illite, smectite
 MICP Calculated Porosity: 28.7453%
 Threshold pressure: 340psi



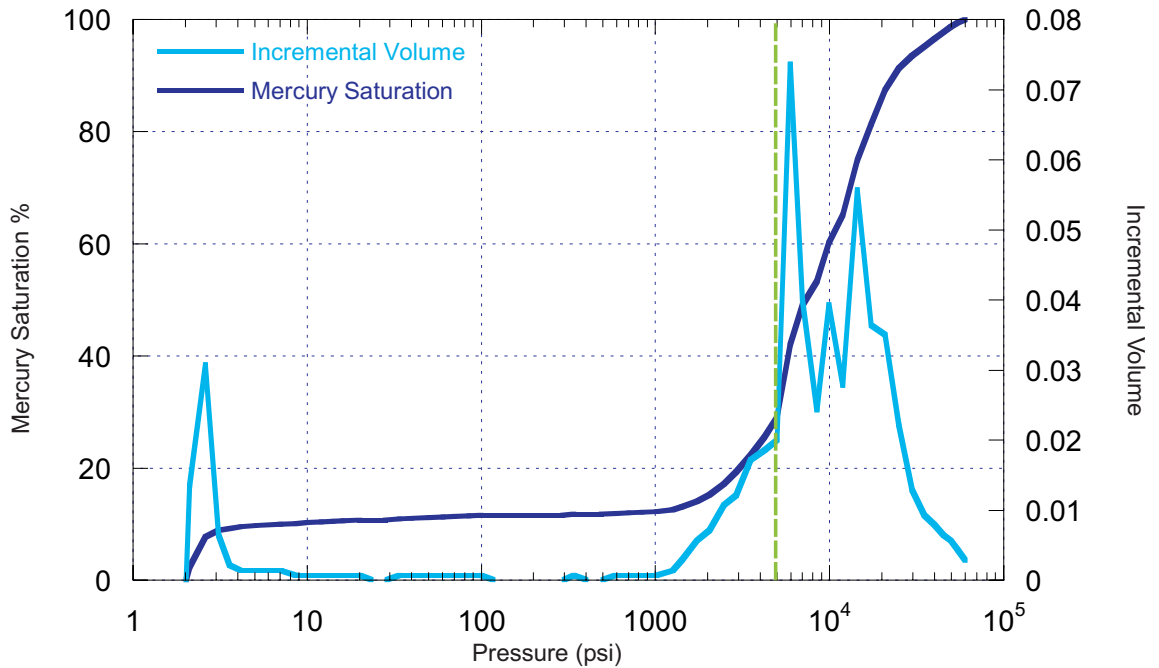
Interval: Eumeralla Fm Unit IV
 Sample Type: Core
 Lithology: Calcareous silty claystone
 Clay Mineralogy: Quartz, calcite, feldspar, kaolinite, illite, smectite, chlorite
 MICP Calculated Porosity: 12.3582%
 Threshold Pressure: 1749psi

Mocamboro-11 706m

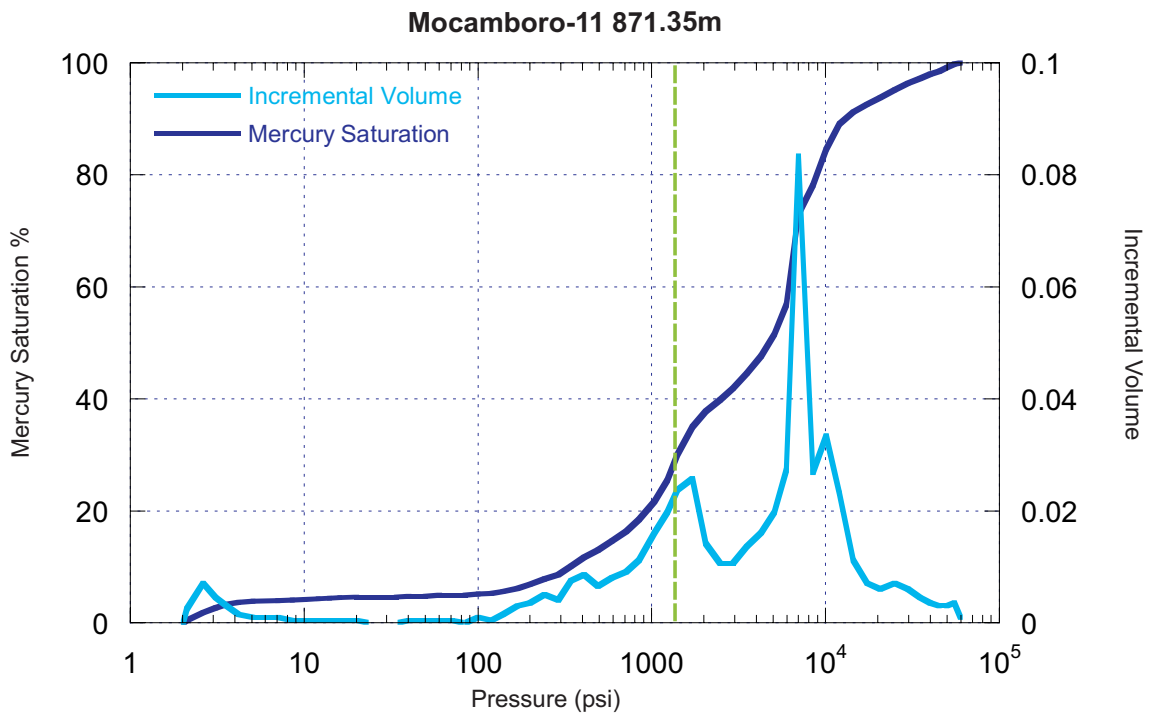


Interval: Eumeralla Fm Unit V
 Sample Type: Core
 Lithology: Black carbonaceous claystone
 Clay Mineralogy: Quartz, illite, smectite, kaolinite, feldspar, chlorite
 MICP Calculated Porosity: 17.2080%
 Threshold pressure: 5023psi

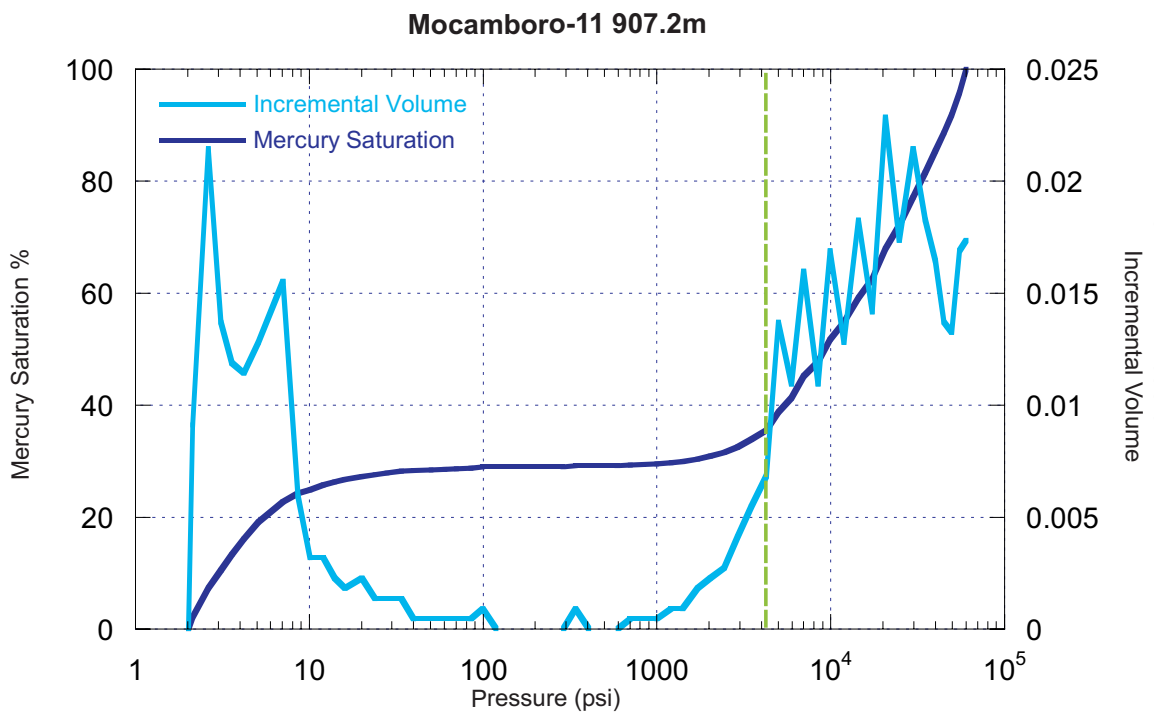
Mocamboro-11 744.69m



Interval: Eumeralla Fm Unit V
 Sample Type: Core
 Lithology: Coarse siltstone
 Clay Mineralogy: Quartz, feldspar, kaolinite, illite, chlorite
 MICP Calculated Porosity: 15.7519%
 Threshold Pressure: 4979psi

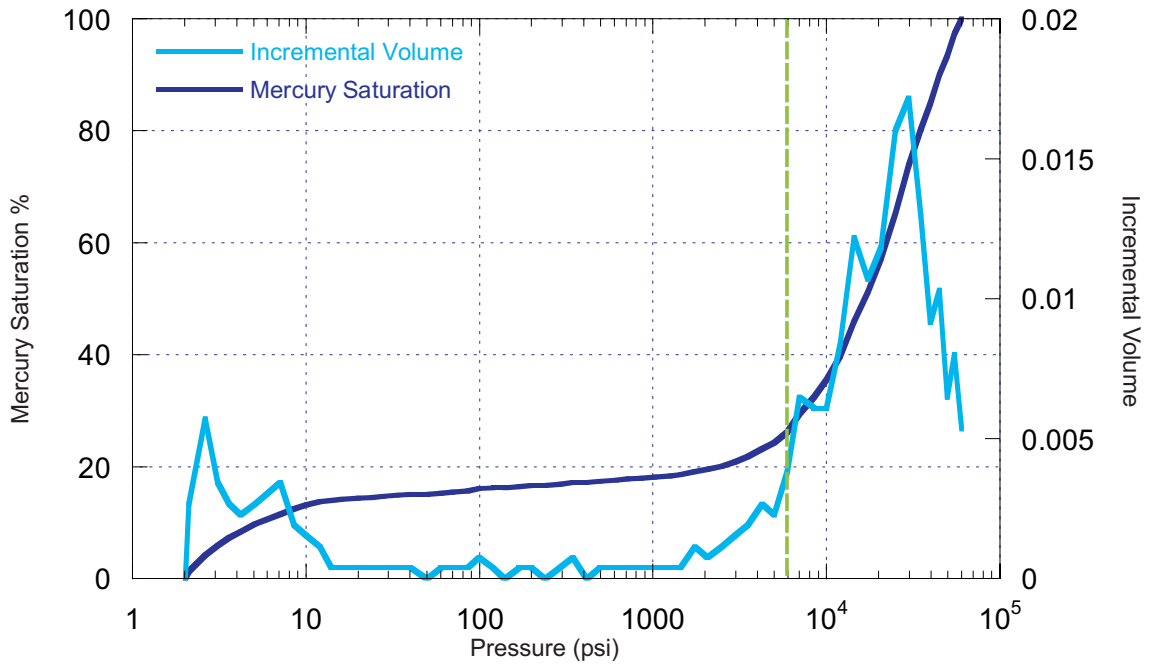


Interval: Eumeralla Fm Unit V
 Sample Type: Core
 Lithology: Siltstone with clay interbeds
 Clay Mineralogy: Quartz, feldspar, kaolinite, illite, smectite, chlorite
 MICP Calculated Porosity: 20.0953%
 Threshold pressure: 1407psi



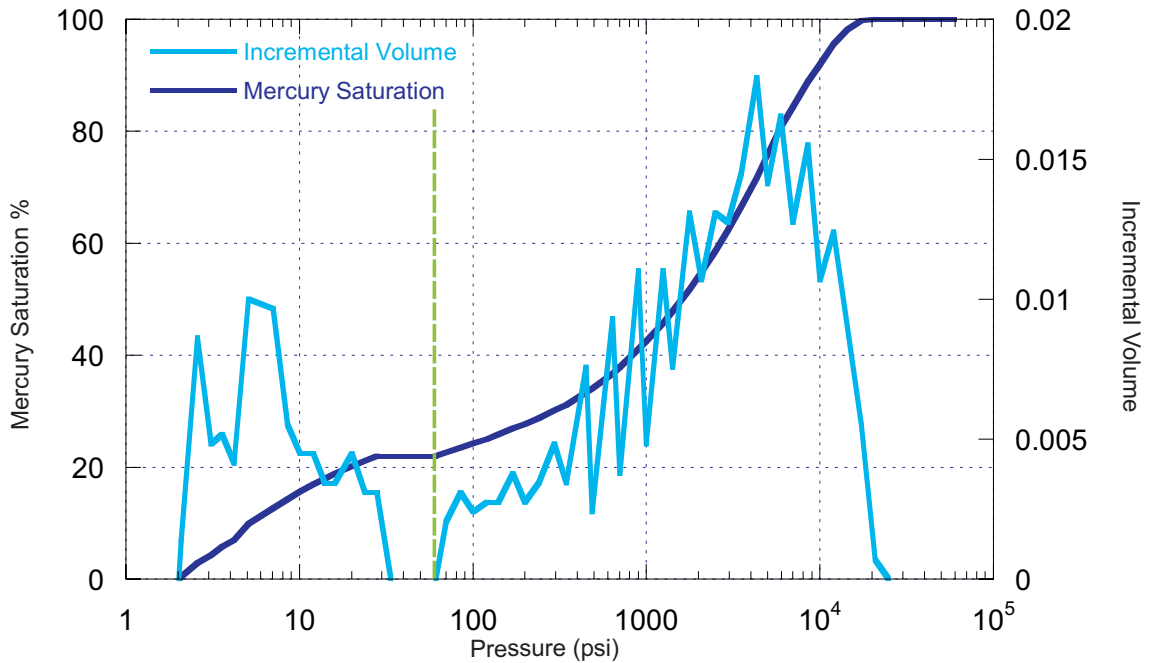
Interval: Eumeralla Fm Unit VI
 Sample Type: Core
 Lithology: Claystone with siltstone interbeds
 Clay Mineralogy: Quartz, kaolinite, feldspar, illite, smectite, chlorite
 MICP Calculated Porosity: 16.2336%
 Threshold Pressure: 4248psi

Mocamboro-11 943.2m



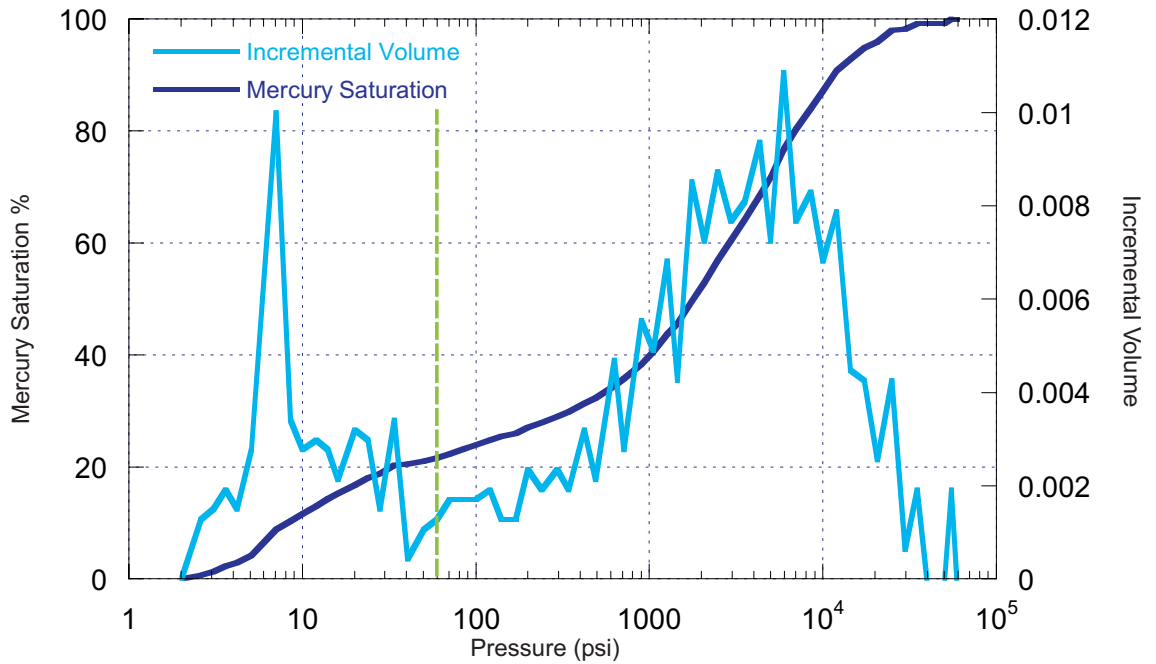
Interval: Eumeralla Fm Unit VI
 Sample Type: Core
 Lithology: Massive claystone
 Clay Mineralogy: Quartz, smectite, illite, kaolinite, feldspar
 MICP Calculated Porosity: 10.9434 %
 Threshold pressure: 5979psi

Reedy Creek-1 1668m



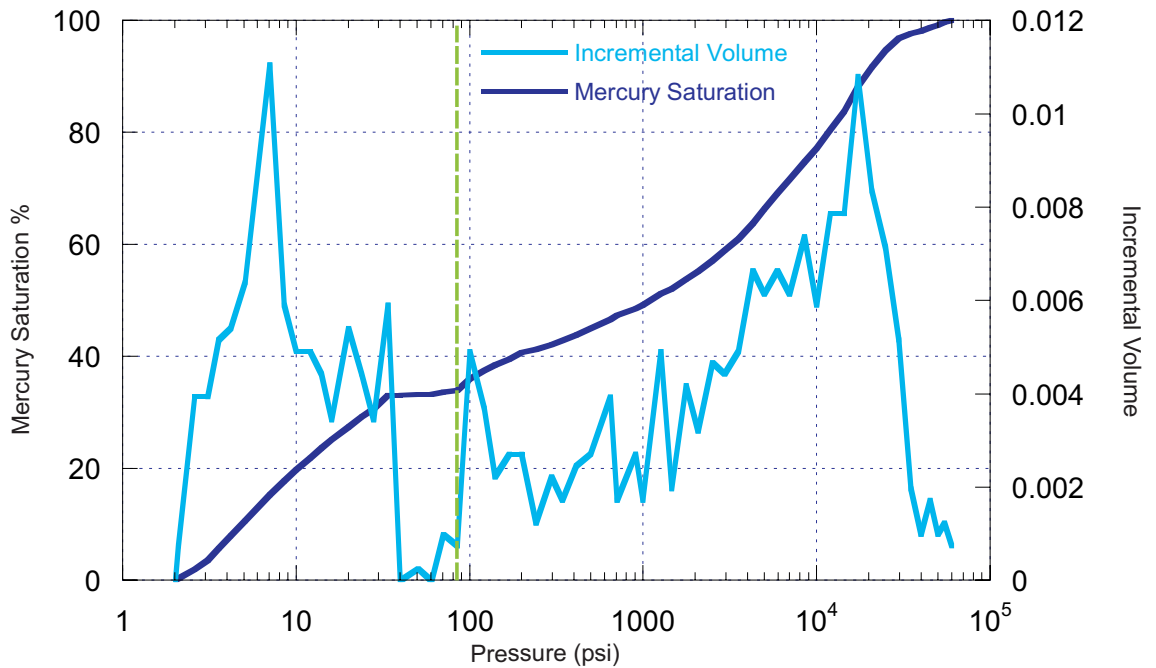
Interval: Eumeralla Fm Unit V
 Sample Type: Sidewall core
 Lithology: Siltstone
 Clay Mineralogy: Quartz, kaolinite, feldspar, chlorite, illite, smectite
 MICP Calculated Porosity: 20.0267%
 Threshold Pressure: 60psi

Reedy Creek-1 1678.5m



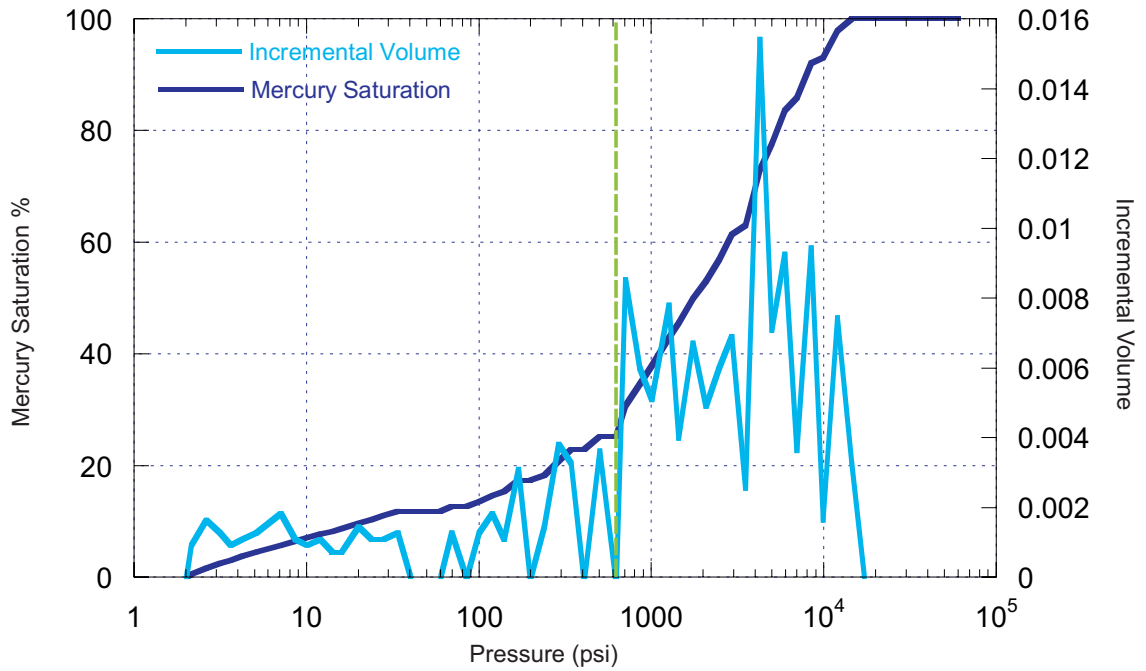
Interval: Eumeralla Fm Unit V
 Sample Type: Sidewall core
 Lithology: Carbonaceous silty claystone
 Clay Mineralogy: Quartz, kaolinite, feldspar, chlorite, illite, smectite
 MICP Calculated Porosity: 20.3627 %
 Threshold pressure: 60psi

Reedy Creek-1 1701m



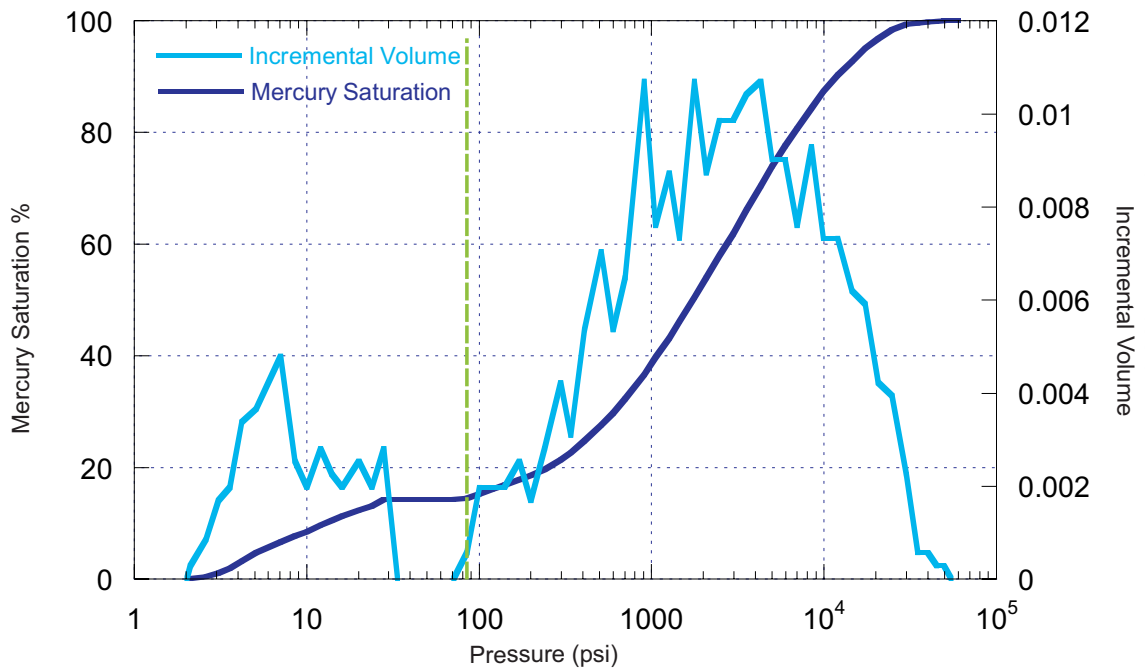
Interval: Eumeralla Fm Unit V
 Sample Type: Sidewall core
 Lithology: Silty claystone
 Clay Mineralogy: Quartz, kaolinite, feldspar, chlorite, illite, smectite
 MICP Calculated Porosity: 19.8733%
 Threshold Pressure: 85psi

Sophia Jane-1 1515-1520m

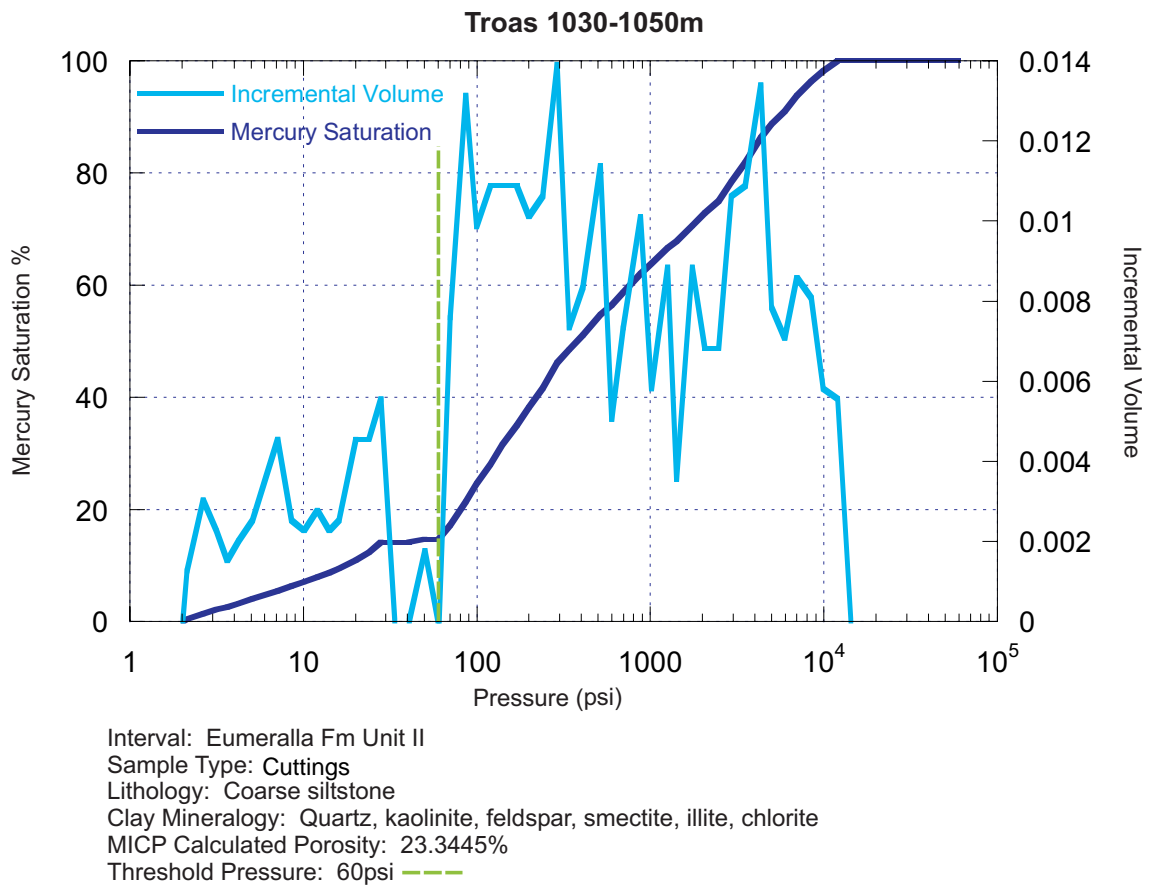
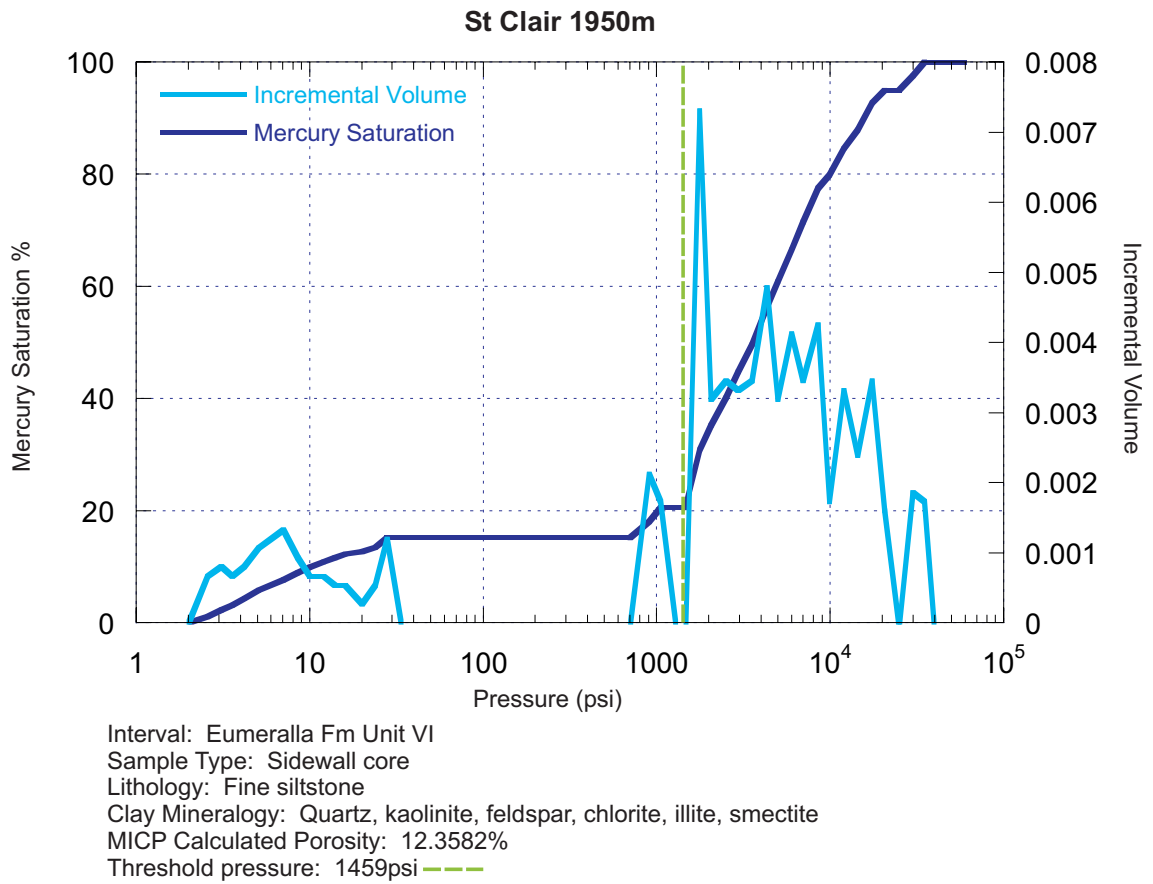


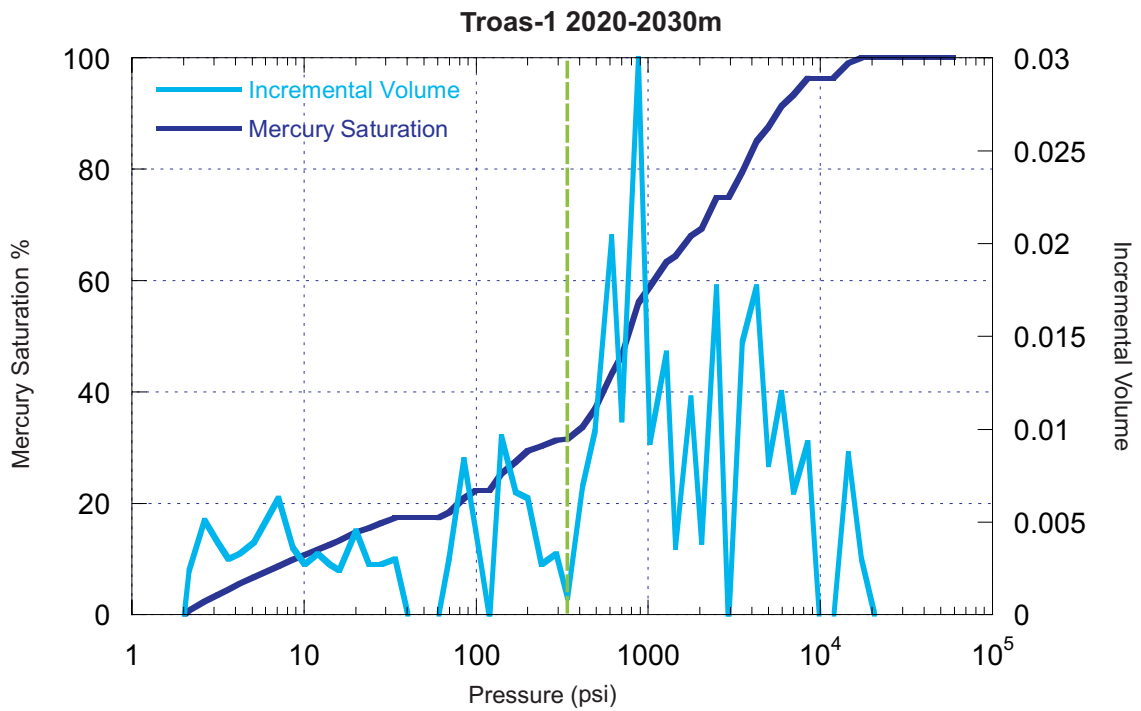
Interval: Eumeralla Fm Unit V
 Sample Type: Cuttings
 Lithology: Siltstone
 Clay Mineralogy: Quartz, kaolinite, feldspar, illite, smectite, chlorite
 MICP Calculated Porosity: 17.6646%
 Threshold pressure: 625psi

St Clair-1 1924m

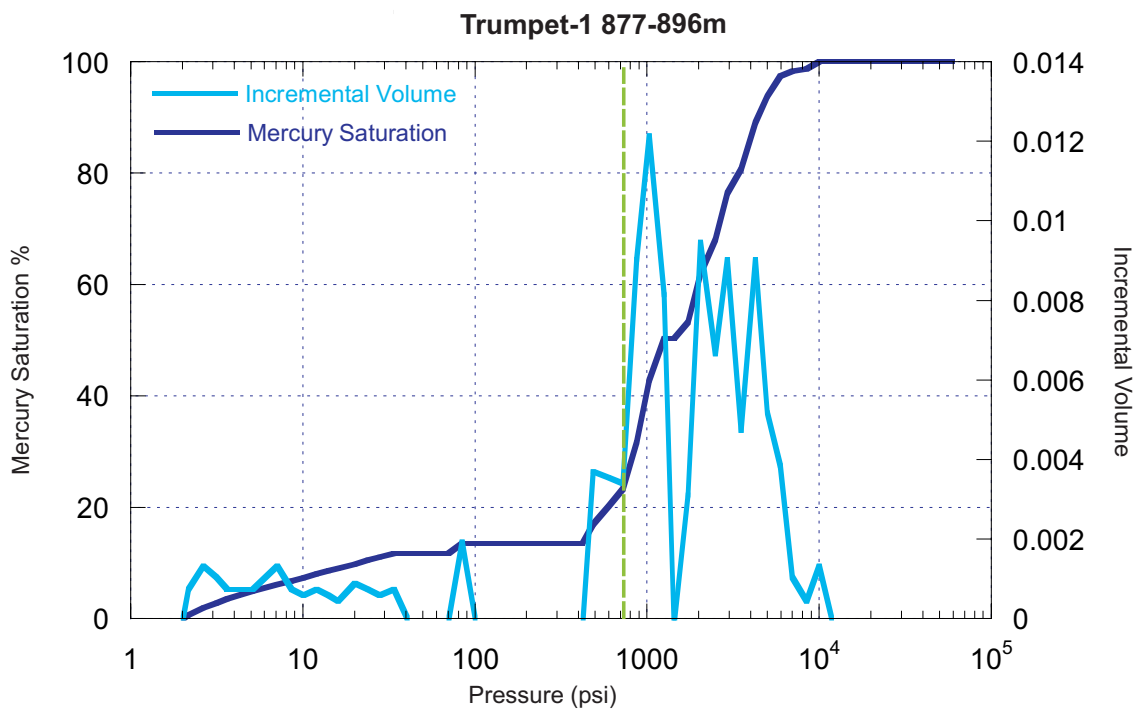


Interval: Eumeralla Fm Unit V
 Sample Type: Sidewall core
 Lithology: Siltstone
 Clay Mineralogy: Quartz, kaolinite, feldspar, chlorite, illite, smectite
 MICP Calculated Porosity: 18.6590%
 Threshold Pressure: 85psi





Interval: Eumeralla Fm Unit IV
 Sample Type: Cuttings
 Lithology: Silty claystone
 Clay Mineralogy: Quartz, feldspar, kaolinite, illite, chlorite, muscovite
 MICP Calculated Porosity: 20.8927%
 Threshold pressure: 339psi



Interval: Eumeralla Fm Unit III
 Sample Type: Cuttings
 Lithology: Calcareous siltstone
 Clay Mineralogy: Quartz, calcite, feldspar, kaolinite, illite, smectite, chlorite
 MICP Calculated Porosity: 14.9452%
 Threshold Pressure: 728psi