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Preface

This Open File Report presents core descriptions and grain size analyses from more than 300 short (~50 cm) cores collected from Flemish Pass, Flemish Cap and the Southeast Grand Banks Slope, offshore Newfoundland. These data support geohazard interpretations by the Geological Survey of Canada within this area of active petroleum exploration. They also contribute to baseline environment information to studies by the Department of Fisheries and Oceans and the Nereida consortium on vulnerable marine ecosystems.

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Disclaimer: Lithological descriptions have been made by several different geologists and although every attempt has been made to be consistent, there may be small differences in the manner in which particular sediments have been assigned to particular lithological types. This report also presents a tentative correlation and chronology of lithostratigraphic units. This aspect of the work is preliminary and likely to be refined as more radiocarbon dates and down-core analytical data become available.

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ABSTRACT

Push core subsamples were acquired from 372 box cores on the outer continental margin of Newfoundland, from Flemish Pass, Flemish Cap, the Southeast Grand Banks Slope and the slope off Tail of the Bank, in water depths of 600–2000 m. Lithological columns, digital colour, and selected physical properties are reported for all push cores. Grain size, organic carbon and inorganic carbon analyses are reported for surface samples from all box cores. Ten new radiocarbon dates are reported. Most push cores are between 20 and 60 cm in length and many provide a complete Holocene record of sedimentation. In areas of current winnowing and reworking, a few cores penetrate the Heinrich 1 bed, dating from 16 ka. A surface unit of silty mud passes laterally into thin winnowed sands and sandy mud in shallower water. It overlies a complex early Holocene unit with more abundant ice-rafted detritus and intervals with abundant carbonate rock flour. A tentative lithostratigraphic correlation is presented for the cores around Flemish Cap, but has not yet been attempted for the Southeast Grand Banks slope.

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1. Introduction

NAFO, the Northwest Atlantic Fisheries Organisation, sponsored the Nereida program to investigate vulnerable marine ecosystems on the outer Canadian continental margin off Newfoundland, beyond the 200 nautical mile limit of the Canadian Exclusive Economic Zone. The Nereida program http://www.nafo.int/science/frames/nereida.html was delivered by an international consortium of agencies and sciences from Canada, Spain, the UK and Russia. The principal field work was carried out the oceanographic and fisheries research vessel *Miguel Oliver*, contributed by Spain's General Secretariat of the Sea (Secretaria General del Mar). The Geological Survey of Canada (GSC) provided one staff member on each of the six legs of the field program specifically to collect push cores from biological box core samples and to collect bedrock samples from biological dredges. Water depth of sample collection ranges from 600 m to 2000 m.

This report presents a compilation of all push cores collected during the Nereida cruises in 2009 and 2010 on the *Miguel Oliver*. The numbering system for cores follows GSC practice and thus does not correspond to Nereida shipboard numbers; the cruises have been given Expedition Numbers 2009061 and 2010061. The conversion between the two numbering systems can be found in Appendix 2. Core metadata is available from the Expedition database http://ed.gdr.nrcan.gc.ca/cruise_detail_e.php (French version at http://ed.gdr.nrcan.gc.ca/index_f.php). All 2010 cores were accidentally frozen during transportation from St. John's NL to the core repository in Dartmouth NS: for this reason, some downcore measurements were not carried out.

This report also presents a tentative correlation and chronology of lithostratigraphic units. This aspect of the work is preliminary and likely to be refined as more radiocarbon dates and down-core analytical data are available.

2. Geological framework

The continental margin east of Newfoundland rifted from western Europe in the latest Jurassic and Early Cretaceous (Enachescu, 1987; Foster and Robinson, 1993). Locally, older Triassic and Jurassic sedimentary rocks accumulated over an Appalachian basement of Meguma and Avalon terranes. A series of basins on the outer Grand Banks and beneath the continental slope have Kimmeridgian source rocks and syn-rift reservoir sandstones, leading to important oil resources in the Jeanne d'Arc basin and the Flemish Pass basin (Lowe et al., 2011). The syn-rift succession is capped by a widespread unconformity at the base of a thin Upper Cretaceous succession and a second widespread unconformity is present at the base of the Cenozoic (Wielens et al., 2004). Sediment drifts are an important component of the Cenozoic sedimentary succession.

Flemish Cap is a continental basement high in the Atlantic Ocean separated from the Grand Banks of Newfoundland by Flemish Pass (Fig. 1). Flemish Cap, in water depths of <600 m, is underlain by Avalon terrane bedrock, locally covered by a veneer of sand up to several metres thick. In deeper water the seabed generally consists of Holocene silty mud. On the steep upper slope off eastern and southern Flemish Cap, winnowed sands are present. On the extreme southeastern tip of Flemish Cap, calcareous ooze is accumulating.

Flemish Pass is a saddle shaped mid-slope basin, 50 km wide, in approximately 1100 m water depth on the continental slope (Piper and Pereira, 1992; Campbell et al., 2002). It is bounded on its northern end by Sackville Spur, a Neogene-Quaternary sediment drift (Kennard et al., 1990). Other sediment drifts are located on the northern and eastern flanks of Flemish Cap. The late Quaternary sedimentary sequence in Flemish Pass, preserved in cores, is dominated by turbidite sand and mud derived from the Grand Banks and hemipelagic mud and carbonate-rich sediment transported southward by the Labrador current (Piper and Pereira, 1992; Huppertz and Piper, 2010). MIS 2 and older glacial tills have been identified from seismic-reflection profiles on the inner Grand Banks and in shelf-crossing channels of the Northeast Newfoundland Shelf (King and Sonnichsen, 1999; King et al., 2001). At the shelf break on the northern and eastern Grand Banks, glacial till dates mostly from MIS 6 (Piper and Brunt, 2006; Shaw et al., 2006; Huppertz and Piper, 2009). Mass transport deposits (MTDs) are distributed widely in the shallow subsurface of central Flemish Pass (Huppertz and Piper, 2009).

The Southeast Grand Banks Slope extends seaward of the southern part of the Grand Banks of Newfoundland. The upper and middle slope, to water depths of ~1500 m, lie above and slightly landward of the base-Tertiary shelf break, marked by a flat erosional surface terminating in a major basin-bounding fault. In the northern portion of Slope, the upper slope has a relatively smooth morphology with a gradient of about 3º terminating at a ledge at about 1000 m water depth, which then steepens again at about 1500 m. South of Carson Canyon, the slope is more uniform but is deeply incised by canyons and gullies.

The entire study area is bathed by the cold, powerful Labrador Current. The Labrador Current splits in Orphan Basin, with the main current flowing along the outer margin east of Flemish Cap and a slightly lesser branch flows southwards through Flemish Pass along the Grand Banks slope. A modelling study by Han et al. (2008) showed that the modelled transport through Flemish Pass is consistent with the observational estimate of 5.8 Sv (Sverdrup), whereas the eastern branch north of Flemish Cap has a transport of 6.6 Sv. Only 0.3 Sv flows along the continental shelf in water depths <300 m. The northward flowing warm Atlantic Current mixes with the Labrador Current in central Flemish Pass and thereby creates an eddy system on Flemish Cap (Colbourne and Foote, 2000). The Labrador Current transports icebergs from Greenland and the Canadian Arctic, which ground to form iceberg pits and scours on the shelf and upper slope. Recent scours are generally 20–30 m wide and less than a meter deep and up to 15 km long (Parrott et al., 1990), but relict Pleistocene scours extend to water depths of 600 m, are 2–3 m deep and may be more than 50 m wide (Piper and Pereira 1992).

3. Acquisition and laboratory analysis of cores

3.1 Shipboard equipment and procedures

Multibeam bathymetry was acquired using a Kongsberg EM 302 multibeam echosounder hull-mounted on the M/V *Miguel Oliver* (Figs. 1–4). The system used a 30 kHz echosounder with a 1° opening angle for both the transmitter and receiver. Transducers are mounted on the hull; 432 beams are used with a maximum coverage sector of 150°. Positioning during the survey was obtained using differential GPS. A Kongsberg MRU-5 reference unit registered the ship’s motion while its position was monitored by GPS antennas. The system was synchronized by a signal of 1 pulse per second which was produced by a Seapath 200. All maps were created using multibeam bathymetry as a geotiff with a horizontal resolution of 50 m in ArcMap 9.3.

Surface sediments were collected by using a box corer measuring 0.5 x 0.5 x 0.5 m that can hold a maximum of 0.125 m^3 of sediment. The box corer is closed after it sinks into the seafloor by a spade that shuts as the corer is pulled out of the bottom, securing the sediment inside the box. Box cores were collected in soft sediment from 600 to 2000 m water depth (Figs. 1–4). Two geological samples were retained by the GSC from each successful box core:

1. Surface sediment was recovered to a depth of 2 cm and sealed in a plastic vial. This sample was used for grain size and carbon-carbonate analysis.

2. Push cores were taken to preserve the stratigraphy of the sediment. Cores were sampled and stored in a 99.2 mm diameter cellulose acetate butyrate (CAB) plastic liner. The liner was slowly pushed into the sediment while maintaining a negative pressure at the top of the liner with the aid of a suction pump. A cap was placed over the top of the liner, the core was dug out, and a cap placed on the liner base. The top and base of each core were sealed with beeswax. The core sections were stored upright in a refrigerated container locker on the R/V *Miguel Oliver*.

3.2 Core processing at BIO

The initial steps in core processing at the Geological Survey of Canada (Atlantic) (GSC(A)) Core Processing Laboratory are the non-destructive measurements of whole core X-Ray and Multi Sensor Core Logging (MSCL). Whole core X-ray allows for evaluation of the core quality and semi-quantitative assessment of sediment structure and composition. The core is brought to ambient room temperature after X-raying is completed and run through the MSCL for measurement of whole core physical properties at a standard 1 cm down-core resolution. Following whole core analysis the plastic liner is cut longitudinally using the GSC(A) Duits splitter. The sediment core is then split longitudinally by pulling a piece of fine wire through the sediment along the cuts in the plastic core liner. The two core halves designated archive and working, are temporarily covered with saran wrap. Each half is labelled with an up arrow, cruise number, sample number and section information.

Metre tape is placed along the length of the split core section to indicate down-core depth. The archive half is photographed, measured for colour reflectance, and described visually. The working half is immediately measured for physical properties (transverse and longitudinal compressional velocity, shear strength, bulk density and water content) to minimize change as the core begins to dry. Additional samples are taken depending on specific core site objectives. The core halves are re-covered with plastic wrap, sealed in labelled plastic core sleeving, placed in labelled plastic D-tubes and stored at 4^{o}C in the GSC(A) Core Repository.

3.3 Multi Sensor Core Logger (MSCL)

The MSCL measures compressional (P) wave velocity in a transverse direction, bulk density and magnetic susceptibility. The MSCL consists of a conveyor system, a central unit assembly, a microprocessor and a PC computer. The conveyor system has two track sections, mounted and aligned on either side of the central unit, and a 1.54 m core boat. The core boat is driven in either direction by a stepper motor and gear box assembly. The central unit assembly incorporates a compressional wave (p-wave) logger, a gamma ray attenuation logger and a magnetic susceptibility loop. The p-wave logger system is located at the right hand end of the unit. The gamma ray attenuation logger and magnetic susceptibility loop are offset to the left of the p-wave logger at 14 and 48 cm, respectively.

Each whole core section is placed in the core boat to the right of the p-wave logger and travels incrementally past the p-wave logger, gamma ray attenuation logger and through the magnetic susceptibility coil. Measurements from each sensor are taken after each increment of travel. A piece of plastic core liner filled with distilled water is run through the MSCL every four or five sections of core as a quality check of the system.

The quality of bulk density and velocity values is dependent on: 1) an accurate measure of sediment thickness; 2) the degree of sediment saturation; and 3) the presence of air voids between the sediment and plastic core liner. The magnitude of magnetic susceptibility values is dependent on the type of sediment and the volume of material within the coil. Identical cores containing the same sediment but of varying diameters will give different magnetic susceptibility values but will show the same down-core profile.

Compressional Wave Velocity (PWL)

The P-wave logger system consists of two spring loaded compressional wave transducers (PWT) and two rectilinear displacement transducers attached to the PWT mountings. The PWTs are pushed against either side of the core as it moves between the transducers. A short 500 kHz compressional wave pulse is produced at the transmitting transducer at a repetition rate of 1 kHz. This wave pulse travels through the core and is detected by the receiving transducer and the time of flight of the wave pulse is measured. The two rectilinear displacement transducers measure the displacement of the active faces of the PWT transducers. The diameter of the sediment core is calculated by subtracting the liner thickness from the measured distance between the displacement transducers. This calculation assumes that the core liner is full with sediment. The P-wave travel time delay caused by the core liner and the electronics of the system is calculated using a distilled water standard of known diameter and temperature. The measured sediment P-wave travel time is corrected for the P-wave travel time delay. The sediment P-wave velocity is calculated as the sediment diameter/corrected P-wave travel time.

Gamma Ray Attenuation (GRA)

The GRA unit measures the bulk density of the sediment. It comprises a 10 millicurie ^{137}Cesium capsule housed in a 150 mm diameter primary lead shield with 2.5 and 5 mm collimators and a sodium iodide scintillation detector housed in a 100 mm diameter collimated lead shielding. The source and detector are mounted on opposite sides of the core as it moves through the central unit assembly. A narrow (pencil size) beam of gamma rays with energies principally at 0.662 MeV is emitted from the ^{137}Cesium source and passes through the diameter of the sediment core. At these energy levels Compton scattering is the primary mechanism for the attenuation of the gamma rays in most sedimentary material. The incident photons are scattered by collision with electrons encountered in the core and there is a partial energy loss. The attenuated gamma-ray beam is measured by the scintillation detector. The Compton scattering of the photons is directly related to the number of electrons in the path of the gamma ray beam. A two-phase model representing the mineral and interstitial water of fully saturated marine sediment is assumed for the MSCL gamma ray attenuation (GRA) calibration. Aluminum is assumed to have an attenuation coefficient similar to common minerals found in marine sediments and represents the mineral phase. Distilled water represents the interstitial water phase. A calibration standard consisting of different thicknesses of aluminum and distilled water is used to calibrate the GRA. The measure of density of the sediments assumes that the marine sediment is fully saturated and completely fills the core liner. The diameter of the sediment is determined using the measured displacement between the rectilinear displacement transducers and the thickness of the liner. Sediment density is calculated using the calibration coefficients and the measured diameter of the sediment.

Magnetic Susceptibility Logger (MSL)

A Bartington loop sensor (MS2B) measures the magnetic susceptibility of the sediment. It is mounted to minimize the affects of magnetic or metallic components of the MSCL system. An oscillator circuit in the sensor loop produces a low intensity non-saturating, alternating magnetic field. Changes in the oscillator frequency caused by material that has a magnetic susceptibility is measured and converted into magnetic susceptibility values. Air measurements taken at the beginning and end of each section are used to correct the measurements for drift of the equipment during each section run.

3.4 Core Photography

The archive half of the core is photographed using a Nikon D100 six megapixel digital camera. Overlapping digital photographs are taken at two scales. The first is a close up image covering a 30 cm interval, and the second is a long shot image covering a 90 cm interval. The images are saved in raw, tiff and jpg formats.

3.5 Reflectance Spectrophotometry

High accuracy measurements of spectral reflectance of split core are made over wavelengths of 400 to 700 nm using the Minolta Spectrophotometer CM 2002. Tristimulus values X, Y and Z are derived from the colour reflectance spectra according to the Commission Internationale d'Eclairage (CIE) method. The L*a*b* system (CIELAB) represents coordinates in 3 dimensional space where L* is the vertical axis representing lightness and a* b* are horizontal radii representing chromaticity. The L* value ranges from zero (black) to 100 (white). The a* value represents green (-) to red (+) and the b* value represents blue (-) to yellow (+). Munsell colour is calculated and output but there is no international standard for converting Tristimulus values to Munsell HVC notation.

A zero calibration is performed to compensate for the effects of any change in the optical system and changes in ambient and internal temperature. White calibration is done using a white ceramic calibration cap and sets the maximum reflectance to 100%. Zero calibrations are performed daily and white calibrations are performed routinely at the beginning of each section. Prior to spectral reflectance measurements the archive half of the core is carefully covered with Saran Wrap taking care to minimize the presence of air bubbles between the sediment and the wrap. Measurements are taken at 5 cm intervals where possible.

3.6 Sample Description

Written laboratory descriptions for the sediment cores include: 1) condition of sample (e.g. cracks, disturbance, oxidation), 2) consistency of sample (e.g. soft, hard, firm), 3) reaction to hydrochloric acid which indicates the presence of calcium carbonate, 4) colour, based on the Munsell soil colour charts and 5) visual core description consisting of colour, texture, grain size, bedding, contacts, bedforms, structures, presence of organic material, bioturbation and any other visible feature. To create the lithological summaries in Appendix 1, the classification shown in the legend at the beginning of Appendix 1 was used, based on sediment colour and grain size. In addition, particular attention was paid to the presence of sponge spicules, which were subsampled for further biological identification.

3.7 Discrete core measurements

Discrete velocity

The split core P-wave logger system has four transducer probes that are carefully inserted into the split core section and measure compressional wave velocity in the longitudinal and transverse directions to the core axis. There is a P-wave travel time delay caused by the electronics of the system. It is calculated for each set of transducers by measuring the distance between the transducers and measuring the travel time in distilled water at a known temperature. The measured sediment P-wave travel time is corrected for the P-wave travel time delay. The sediment P-wave velocity is calculated as the sediment diameter/corrected P-wave travel time. Longitudinal and transverse velocity measurements are taken at a standard 10 cm interval.

Discrete Shear Strength

Split core undrained shear strength measurements are made using a motorized miniature vane shear apparatus. A four bladed vane is inserted into soft sediment split core to a constant depth and rotated at a constant rate of 90^{o}/min until sediment failure. The difference in rotational strain between the top and bottom of a linear spring (deflection angle) is measured and the torque required to shear the cylindrical surface around the vane is calculated. Routine calibration of the system is not necessary. Each vane has a vane-blade constant dependant on the geometry of the blade, and each spring has a spring constant that relates the deflection angle to the torque. Peak and remoulded shear strength values are calculated according to ASTM Method D 4648. Peak shear strength measurements are taken at a standard 10 cm interval. Two to three measurements of remoulded shear strength are taken per section. Onboard measurements of whole core peak shear strength are taken from the top and base of each core section using a hand-held Torvane.

Constant volume sampling

Constant volume samples are taken using a stainless steel cylinder of known volume. The cylinder is gently introduced into the sediment at a constant rate. The cylinder is then carefully removed from the core and trimmed using a wire saw. The sediment is extruded from the cylinder, weighed, dried at 105 ^{o}C for 24 hours and weighed again. Bulk density and water content values are calculated according to ASTM Method D2216-98.

3.8 Core data compilation

The MSCL, spectral reflectance, shear strength and constant volume data for individual cores are compiled as Excel workbooks. Each workbook consists of individual worksheets containing the original unedited physical property datasets and a worksheet of the compiled physical property dataset. The compiled dataset is imported into Kaleidagraph and poor quality data is masked. The edited good quality data is saved as a tab delimited text file and plotted. The graphic lithology, MST, spectral reflectance, and discrete onboard and laboratory physical property data plots are compiled in a Coreldraw letter-size core plot summary file (Appendix 1).

3.9 Grain size and carbon-carbonate analyses

Grain-size data were acquired with a Beckman Coulter LS 230 Laser Diffraction Particle Size Analyzer, which measures from 0.04–2000 µm. Gravel was removed from samples using a 2 mm sieve before analysis and the gravel percentage was calculated. Results are presented in Appendix 2 and the spatial distribution is summarized in Figures 27–29.

Total carbon and organic carbon were determined on a Leco TruSpec CHN analyzer, model # 630-100-400 and inorganic carbon was determined by difference between the two measures. Results are summarized in Appendix 2 and Figure 30. Samples were dried at 60°C, ground to a fine homogenous powder and placed in small tin foil boats for analysis. Samples were compared with analytical standards which were run interspersed with the unknown samples in the CHN analyzer to determine total carbon.

For organic carbon determination, carbonate carbon is removed with dilute acid. Approximately 2-3 grams of dried, powdered sediment is placed into a 50 mL Falcon tube, 15 mL of 10% HCl is added to the sample and vigorously shaken using a Vortex-Genie mixer. The sample is allowed to sit overnight in the fume hood to complete the reaction and settle. The following day the acid is carefully decanted and 15 mL of distilled water is added to the Falcon tube. The sample is once again shaken on the vortex mixer, and then bulked up to the 50 mL mark. After settling, the distilled water is decanted and the above step is repeated. After the third wash, the samples are placed in an oven at 600 °C and dried completely. The samples are then ground using a mortar and pestle. For analysis in the CHN analyzer, 100 mg of sample are accurately weighed into a tin foil cup.

3.9 Radiocarbon dating

Radiocarbon dating was carried out at the University of California, KECK Carbon Cycle accelerator mass spectrometry (AMS) lab through the collaboration of Dr John

Southon (Table 1). Samples were selected from a few key push cores and also from trigger weight cores 4 and 9 from cruise 2001043 (Fig. 2). Samples were washed through a 63 μm sieve and at least 5 mg of the foraminiferan *Neogloboquadrina pachyderma* (s) were picked. Given the strong current in much of the area, there is a risk of picking reworked specimens; tests that were abraded or discoloured were not picked.

4. Sedimentary facies and lithostratigraphy

Thirteen different sediment facies were recognised in the push cores, based principally on grain size and colour. These facies are summarized in the legend at the beginning of Appendix 1. The facies are used to describe each core in Appendix 1.

In the cores around Flemish Cap, five lithostratigraphic units are recognised, A–E going down core (Table 2). No attempt has been made to correlate cores on the Southeast Grand Banks Slope. Most cores sample only unit A and the upper part of unit B; units C–E are found only in areas of low sedimentation rate, mostly on southeastern Flemish Cap. Unit B has been subdivided locally into four sub-units Ba to Bd. In unit A, a sandy facies (A') is distinguished and in unit B, in places a light brown subunit (B") is distinguished. Stratigraphic units are shown in representative good quality cores in 21 geographic areas (Fig. 5) as a series of correlation sections (Figs. 6–25). The recognition and correlation of these units in the cores is preliminary and primarily based on X-radiography. This correlation may be revised as more analytical data become available. In particular, subdivision of unit B and consistent identification of unit C proved difficult. Unit D is very distinctive, but present in only a few cores.

Radiocarbon dates provide some constraints on ages of units. Calibrated ages of 0.8 ka (core 217) and 3.6 ka (58), together with ages reported by Christian et al. (1991), show a late Holocene age for much of unit A. The base of unit A, marked by an increase in IRD and carbonate content, is not well constrained. Dates of 7.9 ka (161), 8.5 ka (152), 8.6 ka (58) and 7.3 ka (core 2001043-009TWC) from within 10 cm below the top of unit B indicate a mid to early Holocene age for unit B and a likely age of 5–7 ka for the boundary between B and A. A date of 13.6 ka in unit Bc (core 38) and 13.3 ka in unit C (2001043-004TWC) illustrates the difficulty of separating the two units in short cores.

Two radiocarbon dates are quite inconsistent with the preliminary correlation. In core 103, a date of 10.0 ka in sediment interpreted as unit A led to a re-examination of whether unit A was correctly identified; correlation of detailed colour profiles with nearby core 135 suggests that the date is from well within unit B, but IRD is not particularly abundant at this site. In core 109, a sample from the base of the core identified as unit C yielded an age of 6.0 ka. Re-examination of the X-radiograph suggests that contamination with young sediment by closure of the box core spade cannot be excluded.

Much of the sediment supply to the flanks of Flemish Cap is transported in the Labrador Current. As a result, sedimentary units can be correlated with those found farther north beneath the Labrador Current, in Orphan Basin (Tripsanas and Piper, 2008) and on the Labrador Shelf (Andrews et al., 1999). Unit A generally comprises muds with a low carbonate content, locally represented by winnowed sand or by sandy calcareous biogenic ooze (Table 3). The radiocarbon dates confirm that it generally correlates with the Maqqak Clay unit on the Labrador Shelf (Josenhans et al., 1986). Unit B is defined by the onset of common ice-rafted gravel, but also generally has a higher carbonate content than unit A, represented by higher L* colour values and a lighter brown colour corresponds to the widespread early Holocene supply of detrital carbonate through Hudson Strait to the Labrador Current. Based on correlation with core 2003033-24 in southern Orphan Basin (Rashid et al., in press), the lowest carbonate-rich interval in unit B probably corresponds to the end of the Younger Dryas (~11.5 ka). The most prominent Holocene carbonate-rich layer in Orphan Basin corresponds to the Gold Cove event at ~ 11.2 ka, but radiocarbon dates suggest that prominent carbonate-rich layers in some cores could represent events as young as the Foxe Basin event at 6.6 ka. Unit B thus corresponds to the Qeovik Silt unit of the Labrador Shelf. Unit C is a darker grey silty mud with lower carbonate content than either the overlying unit B or the underlying unit D. Unit D is identified as the very distinctive Heinrich Layer 1 (~17.5–16.7 ka), based on the presence of common ice-rafted gravel and high spectrophotometer values of both a* (red colour) and L* (carbonate) in comparison with well dated cores in Orphan Basin (Tripsanas and Piper, 2008) and Flemish Pass (Piper and Campbell, 2005; Huppertz and Piper, 2009). The age of the high carbonate component of H1 is best dated in high-resolution sections proximal to Hudson Strait

(Rashid et al., 2003; Rashid and Piper, 2007), where it ranges from 15.7 to 17.2 ka. Unit E is a grey mud with ice-rafted gravel underlying unit D.

Spatial variation in surficial sediment properties (Appendix 2) are illustrated in a series of maps (Figs. 27–30) showing major regional variations. Sand (Fig. 27) is most abundant on Sackville Spur shallower than 900 m, locally in Flemish Pass and NE Flemish Cap, and over a wide area southeast and south of Flemish Cap. Clay (Fig. 28) shows an inverse pattern compared to sand. Sortable silt (10-63 μm) is most abundant on northwestern Flemish Cap and in the constriction of southern Flemish Pass (Fig. 29). Organic carbon is most abundant in the deep water to the south of Flemish Pass and in central Flemish Pass (Fig. 30) and is generally highest in areas where unit A is thickest (Fig. 31). The thickness of A is a better predictor than percentage clay for the abundance of organic carbon.

The distribution of sand around Flemish Cap appears related to the strength of the Labrador Current, as sand is most abundant in areas where unit A is thin. More petrographic work is needed to assess the relative roles of sand transport off Flemish Cap and in-situ winnowing of ice-rafted detritus in the origin of the sands.

5. References

Andrews, J.T., Keigwin, L., Hall, F., Jennings, A.E., 1999. Abrupt deglaciation events and Holocene paleoceanography from high-resolution cores, Cartwright Saddle, Labrador Shelf, Canada. Journal of Quaternary Science 14, 383–397.

Campbell, D.C., Piper, D.J.W., Douglas, E.V., Migeon, S., 2002. Surficial Geology of Flemish Pass: assessment of hazards and constraints to development. Geological Survey of Canada Open File 1454.

Colbourne, E.B., Foote, K.D., 2000. Variability of the stratification and circulation on the Flemish Cap during the decades of the 1950s–1990s. Journal of Northwest Atlantic Fisheries Science 26, 103–122.

Enachescu, M. E., 1987. Tectonic and structural framework of the northeast Newfoundland continental margin, in C. Beaumont and A. J. Tankard, eds., Sedimentary basins and basin forming mechanisms: Calgary, Canadian Society of Petroleum Geologists, p. 117–146.

Foster, D.G., Robinson, A.G., 1993. Geological history of Flemish Pass Basin, offshore Newfoundland. AAPG Bulletin 77, 588–609.

Han, G.Q., Lu, Z.S., Wang, Z.L., Hebig, J., Chen, N., Young, B., 2008. Seasonal variability of the Labrador Current and shelf circulation off Newfoundland. Journal of Geophysical Research 113 doi:10.1029/2007JC004376.

Huppertz, T.J., Piper, D.J.W., 2009. The influence of shelf-crossing glaciation on continental slope sedimentation, Flemish Pass, eastern Canadian continental margin. Marine Geology 265, 67–85.

Huppertz, T.J., Piper, D.J.W., 2010. Interbedded Late Quaternary turbidites and contourites in Flemish Pass, off southeast Canada: their recognition, origin and temporal variation. Sedimentary Geology, 228, 46–60

Josenhans, H.W., Zevenhuizen, J., Klassen, R.A., 1986. The Quaternary geology of the Labrador shelf. Canadian Journal of Earth Sciences 23, 1190–1213.

Kennard, L., Schafer, C., Carter, L., 1990. Late Cenozoic evolution of Sackville Spur: a sediment drift on the Newfoundland continental slope. Canadian Journal of Earth Sciences 27, 863–878.

King, E.L., Sonnichsen, G.V., 1999. Characterization of near-surface seismostratigraphy and features of Northeastern Grand Bank: sea level fluctuations, glaciation and slope stability. Geological Survey of Canada, Open File 3886.

King, E.L., Fader, G.B.J., Sonnichsen, G.V., 2001. Quaternary Geology of the Northeast Newfoundland Shelf: Contrasts in Late Wisconsinan glacial regimes. Abstract, Geological Association of Canada (GAC/MAC) Annual Meeting, St. John's.

Lowe, D.G., Sylvester, P.G., Enachescu, M.E., 2011. Provenance and paleodrainage patterns of Upper Jurassic and Lower Cretaceous synrift sandstones in the Flemish Pass Basin, offshore Newfoundland, east coast of Canada. AAPG Bulletin, 95, 1295–1320.

Parrott, D.R., Lewis, C.F.M., Banke, E., Fader, G.B.J., Sonnichsen, G.V., 1990. Seabed disturbance by a recent (1989) iceberg grounding on the Grand Banks of Newfoundland. Geological Survey of Canada, Current Research Paper 90-1B.

Piper, D.J.W., 2005. Late Cenozoic evolution of the continental margin of eastern Canada. Norwegian Journal of Geology 85, 305–318.

Piper, D.J.W., Brunt, R.A., 2006. High-resolution seismic transects of the upper continental slope off southeastern Canada. Geological Survey of Canada Open File 5310.

Piper, D.J.W., Campbell, D.C., 2005. Quaternary geology of Flemish Pass and its application to geohazard evaluation for hydrocarbon development. In: Hiscott, R.N., Pulham, A. (Eds.), Petroleum Resources and Reservoirs of the Grand Banks, Eastern Canadian Margin: Geological Association of Canada Special Paper 43, 29–43.

Piper, D.J.W., Pereira, C.P.G., 1992. Late Quaternary sedimentation in central Flemish Pass. Canadian Journal of Earth Sciences 29, 535–550.

Rashid, H., Piper, D.J.W., 2007. The extent of ice on the continental shelf off Hudson Strait during Heinrich events 1-3. Canadian Journal of Earth Sciences 44, 1537–1549.

Rashid, H., Hesse, R., Piper, D.J.W., 2003. Origin of unusually thick Heinrich layers in ice-proximal regions of the northwest Labrador Sea. Earth and Planetary Science Letters 208, 319–336.

Rashid, H., Piper, D.J.W., Mansfield, C., Saint-Ange, F., Polyak, L., (submitted). Signature of the Gold Cove event (10.2 ka) in the Labrador Sea. Quaternary International

Shaw, J., 2006. Palaeogeography of Atlantic Canadian continental shelves from the Last Glacial Maximum to the present, with an emphasis on Flemish Cap. Journal of Northwest Atlantic Fisheries Science 37, 119–126.

Tripsanas, E.K., Piper, D.J.W., 2008. Late Quaternary stratigraphy and sedimentology of Orphan basin: implications for meltwater dispersal in the southern Labrador sea. Palaeogeography, Palaeoclimatology, Palaeoecology 260, 521–539.

Tripsanas, E.K., Piper, D.J.W., Jarrett, K.A., 2007. Logs of piston cores and interpreted ultra-high-resolution seismic profiles, Orphan Basin. Geological Survey of Canada, Open File 5299.

Wielens, H., Jauer, C., Williams, G.L. 2004. 4-D modelling of the Carson Basin, offshore Newfoundland. Geological Survey of Canada Open File 4739.

Table 1: Radiocarbon dates

Cruise #	Core #	Depth (cm)	UCIAMS Lab #	Material	Wt (mg)	^{14}C age (years BP)	Error (±)	Calibrated age	± 1σ	± 2σ
2009061	38A	30-35	95440	*N. pachyderma* s	23	12265	30	13564	91	160.5
2009061	161A	35-36	103115	*N. pachyderma* s	4.6	7565	20	7886	45.5	94.5
2009061	217A	30-31	103120	*N. pachyderma* s	5.4	1420	25	821	56.5	100.5
2009061	109	45-47	121182	*N. pachyderma* s	5.2	5760	20	6013	63.5	120.5
2009061	152	23-26	121183	*N. pachyderma* s	4.9	8220	25	8533	59.5	122.5
2009061	103	34-36	121184	*N. pachyderma* s	5.7	9360	30	10035	14.5	152
2009061	30	13-17	130510	*N. pachyderma* s	[1200]*	4750	25	4827	53.2	133.1
2009061	58	39-44	130511	*N. pachyderma* s	[800]	8250	25	8567	62.5	138.5
2009061	58	19-24	130512	*G. bulloides*	[1000]	3855	25	3631	63.2	142.2
2009061	58	19-24	130513	*N. pachyderma* s	[800]	3780	25	3536	62.1	126.1
2001043	9twc	21-22	103119	*N. pachyderma* s	6.2	6970	20	7349	45	83
2001043	4twc	39-40	103118	*N. pachyderma* s	6.1	11935	30	13258	61.5	119
96018	8twc	38-40	121185	*N. pachyderma* s	5.8	10985	35	12330	86.5	156

** Square brackets show the number of individuals when weights were not available*
*** Calibrated ages determined with Calib 6 - Delta R = 144, Uncertainty= 38*

Further information on dates available from http://ed.gdr.nrcan.gc.ca/index_e.php (French version at http://ed.gdr.nrcan.gc.ca/index_f.php).

Table 2. Summary of lithostratigraphic units

Unit	Sub-unit	Facies	Characteristics
A			olive brown to olive grey sediment at top of core, sparce IRD
		A	mud or silty mud
		A'	sand or muddy sand
B			mud with common IRD, variably olive brown to light brown, bioturbated
		B	undivided unit B mud with IRD
		B"	light brown mud with IRD, L* >50
	subdivisions identified only in some cores		
	Ba		thin light brown mud with abundant IRD at top of unit B
	Bb		thick unit of olive brown mud with abundant IRD
	Bc		variably coloured mud with sparse IRD
	Bd		olive brown mud with abundant IRD below Bc
C			dark grey to grey brown mud with sparse IRD, lower L* than in B.
D			very light brown mud, orange hue (high a*). L* > 55
E			dark olive brown or grey mud, some IRD, underlies unit D

Table 3. Relative abundance of biogenic components and detrital carbonate in smear slides from cores 2009061 26 and 58

Abundance scale from 0 = absent, 1 = trace to 5 = abundant

	Depth in core (cm)	Sponge spicules	Coccoliths	Forams	Detrital carbonate	Quartz
Core 58						
	0	3	5	3	1	1
	5	3	3	3	2	1
	10	5	5	4	2	3
	15	4	5	5	2	3
	20	2	3	2	2	3
	24	2	2	2	4	3
	30	1	3	3	4	4
	38	1	2	4	5	3
	44	4	1	2	3	4
	51	1	1	2	4	5
Core 26						
	0	2	4	2	4	3
	3	1	3	3	4	2
	5	1	5	1	3	3
	10	1	2	0	4	3
	15	1	2	1	3	4

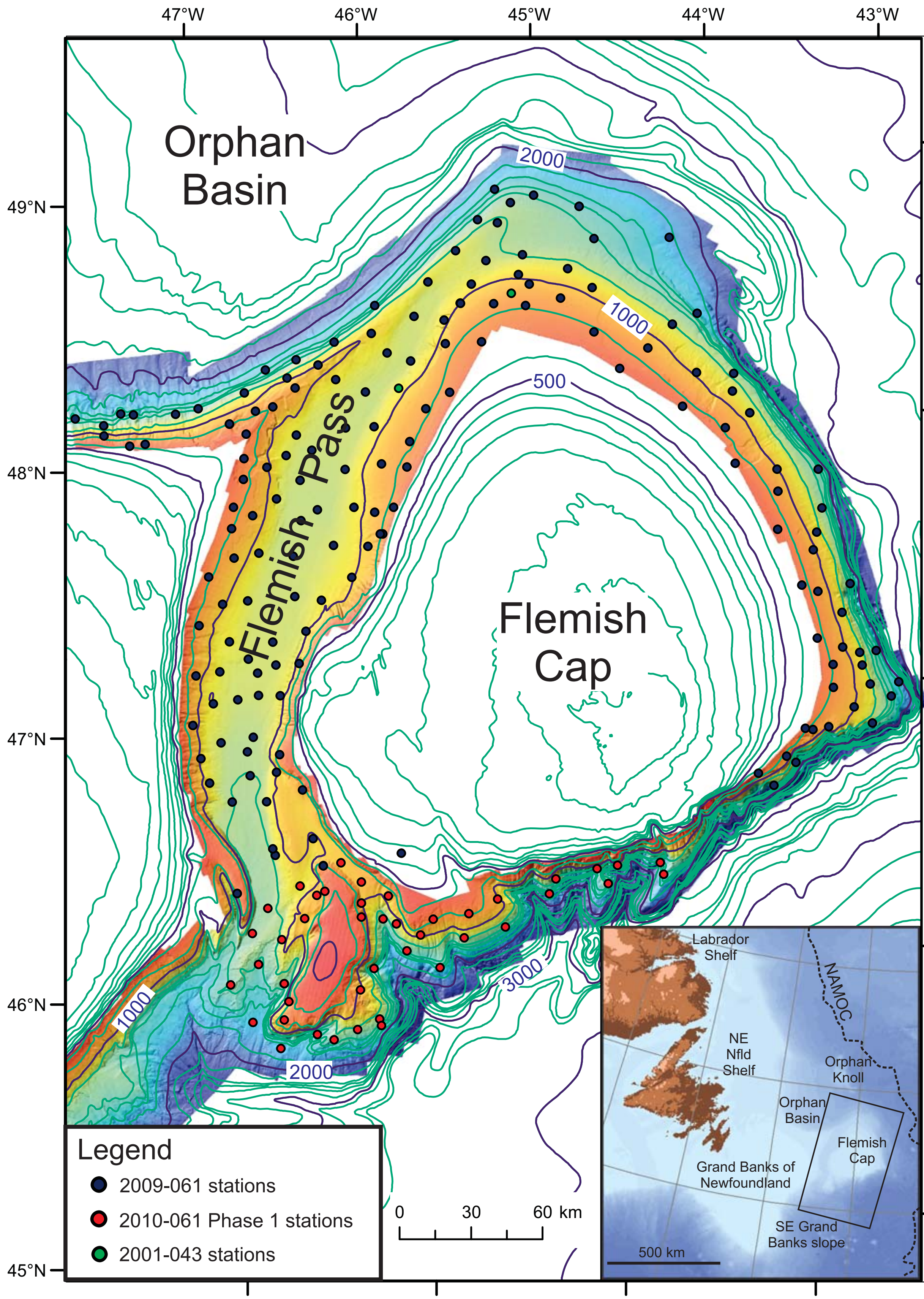


Fig 1. Location of samples around Flemish Cap.

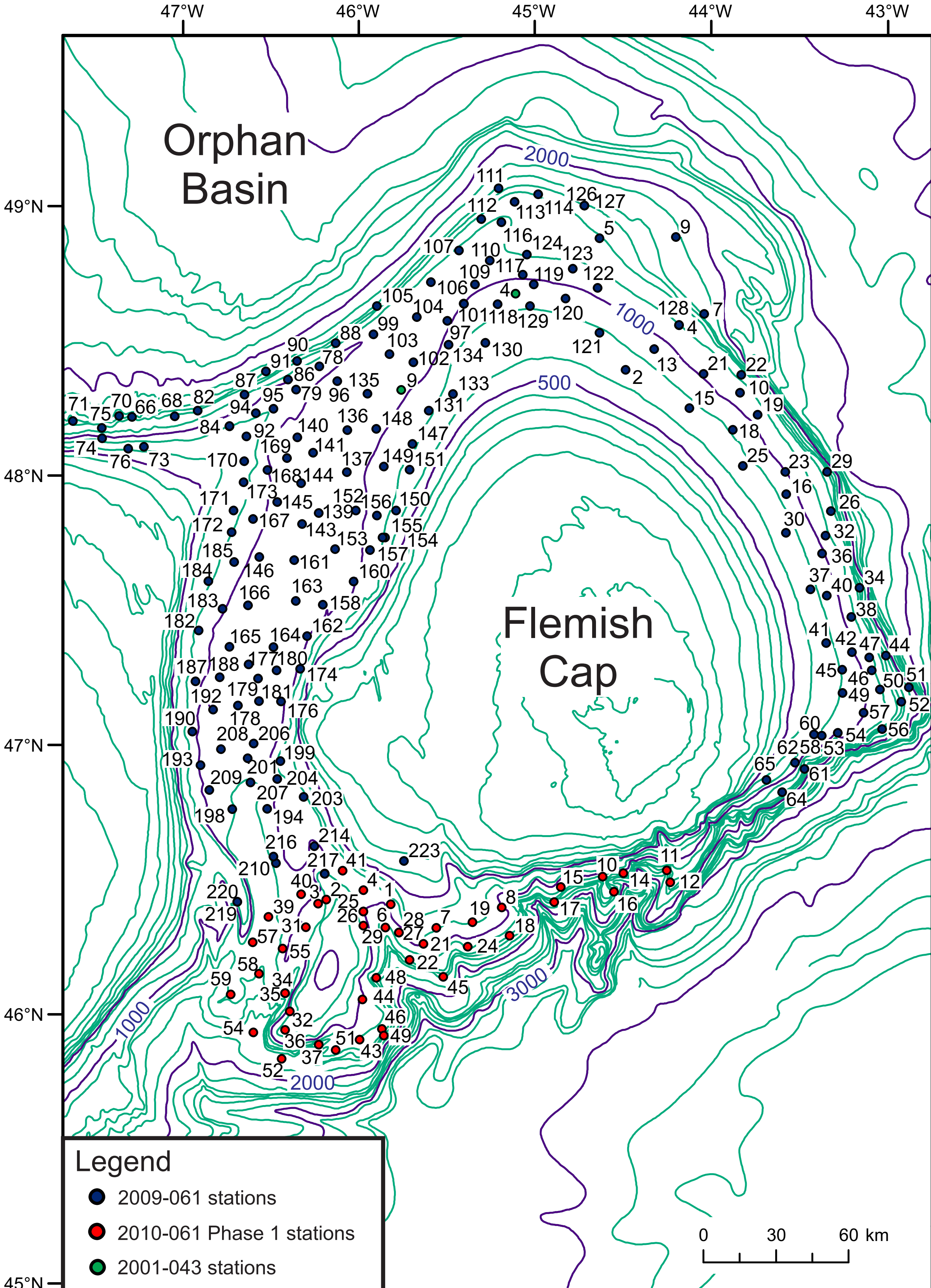


Fig 2. Sample numbers around Flemish Cap.

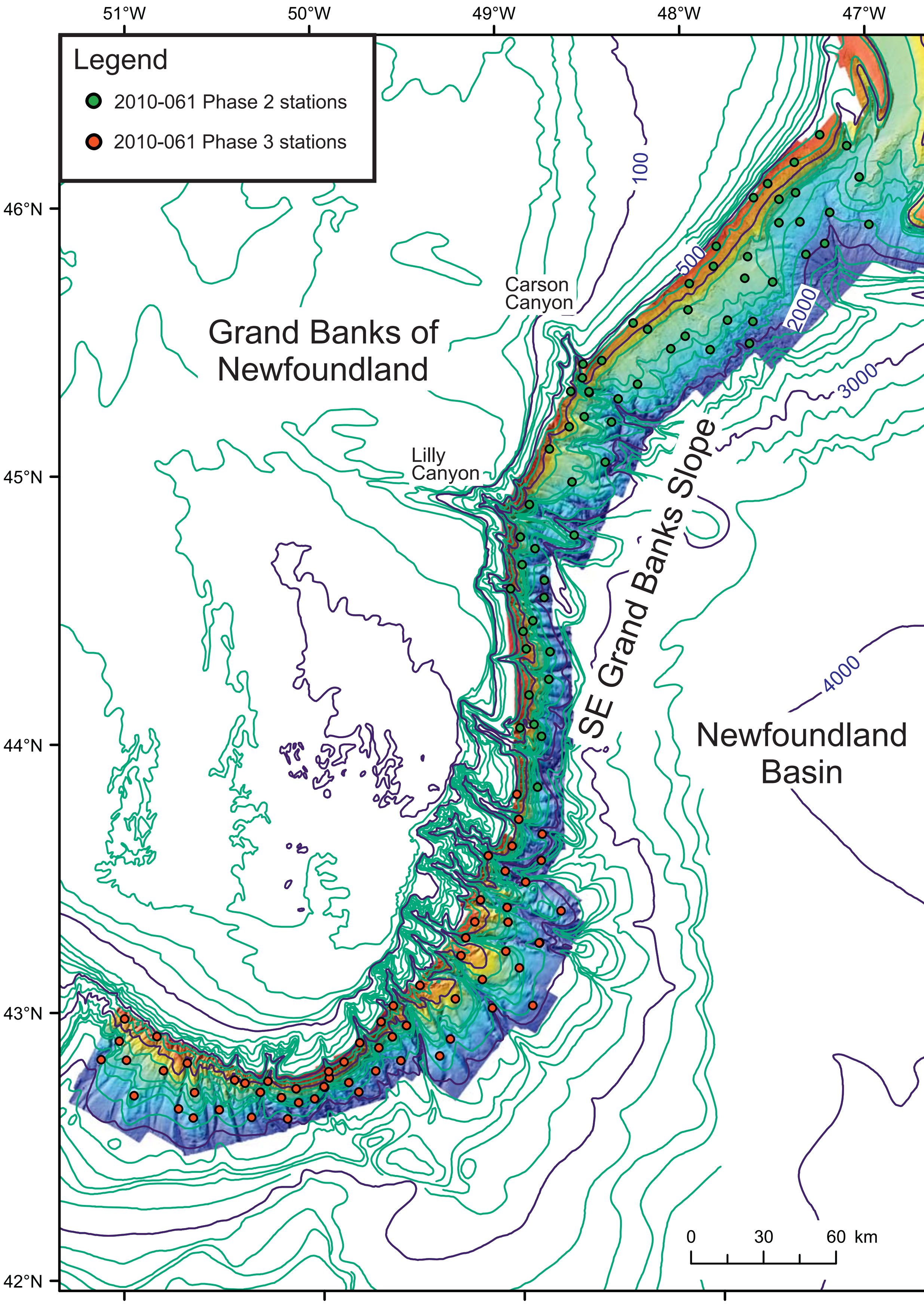


Fig 3. Location of samples, SE Grand Banks Slope

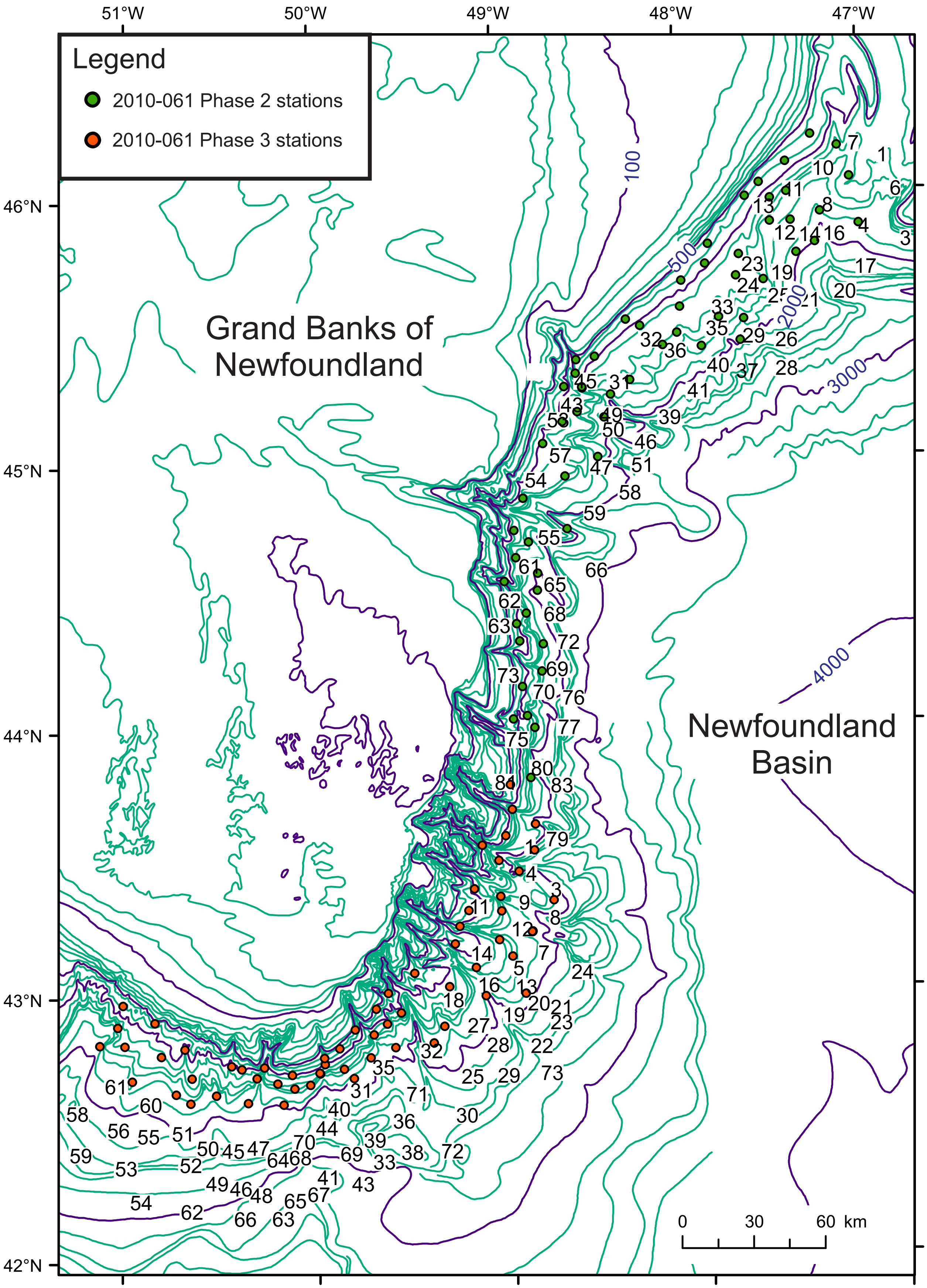


Fig 4. Sample numbers, SE Grand Banks Slope.

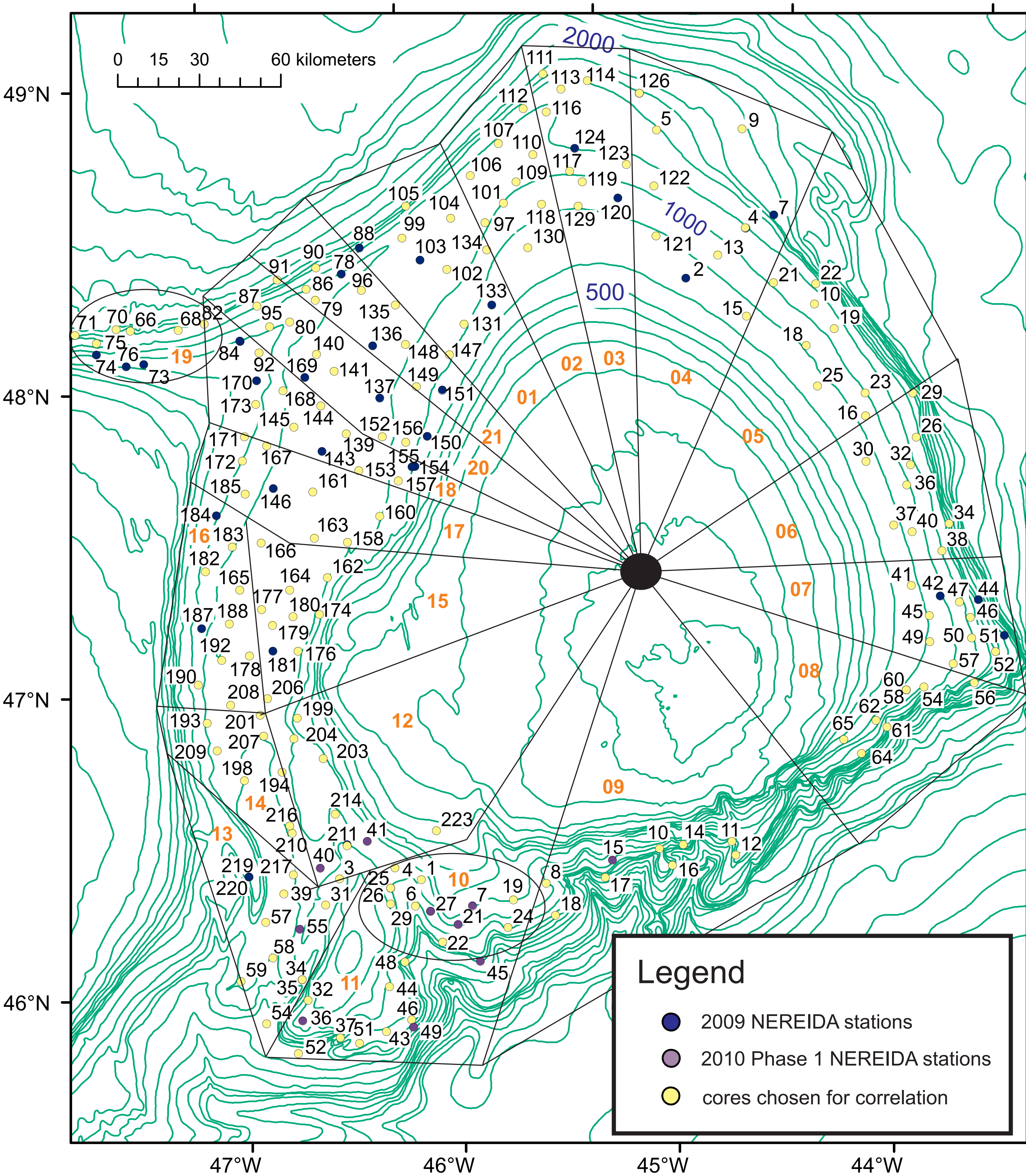


Fig 5. Map showing cores illustrated in correlation sections 1-20, shown in subsequent figures 6-25. Details of units in Table 2.

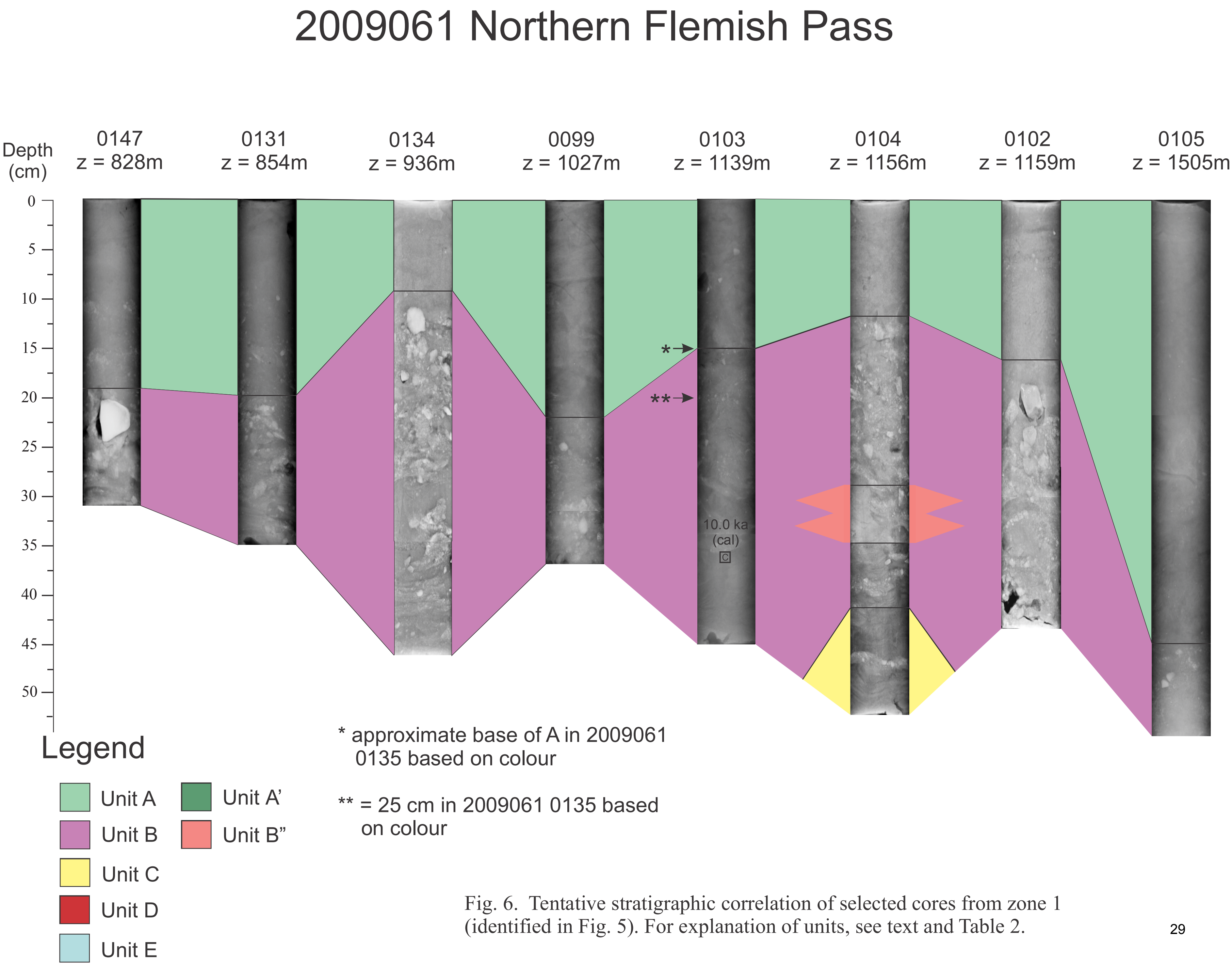


Fig. 6. Tentative stratigraphic correlation of selected cores from zone 1 (identified in Fig. 5). For explanation of units, see text and Table 2.

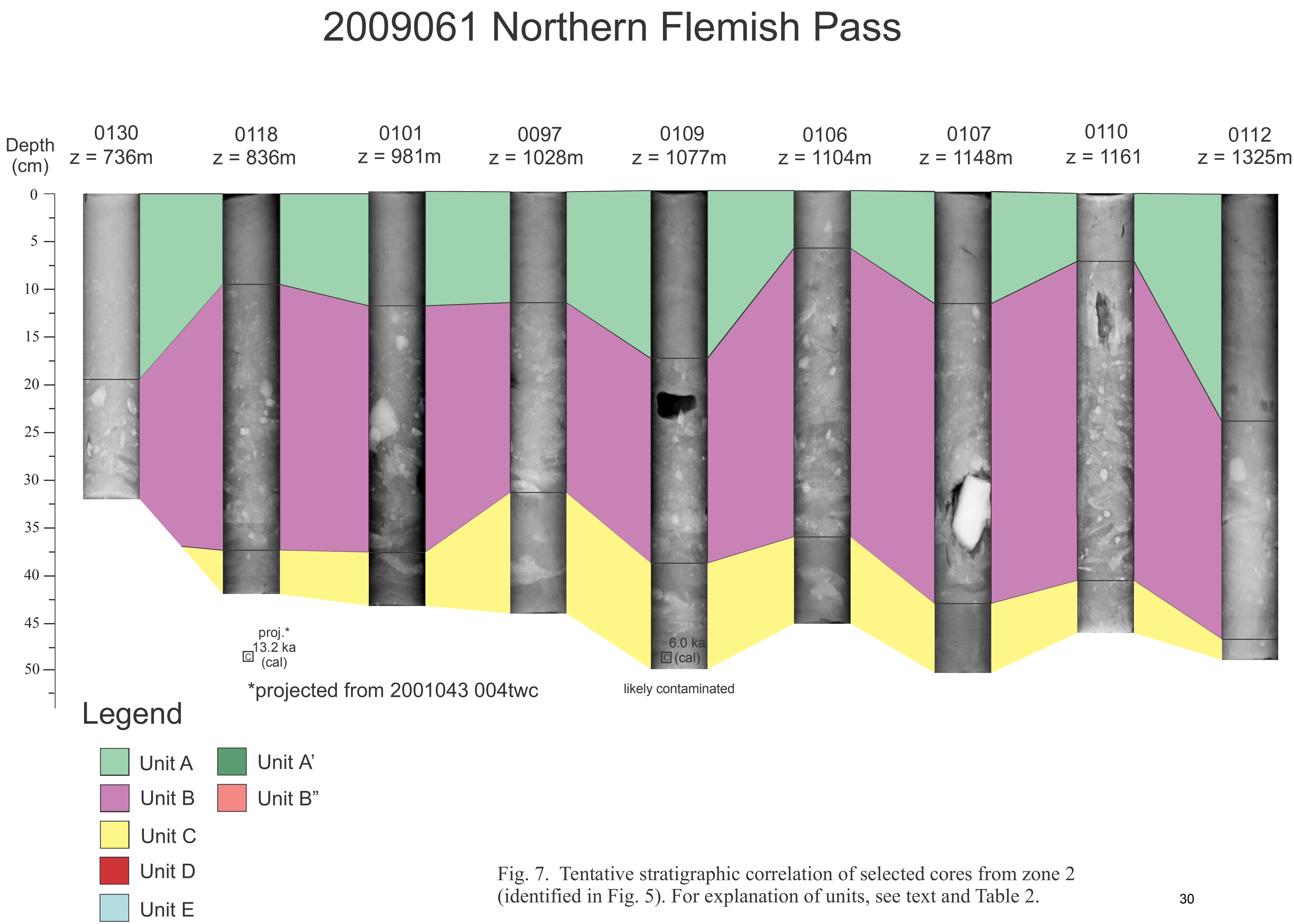


Fig. 7. Tentative stratigraphic correlation of selected cores from zone 2 (identified in Fig. 5). For explanation of units, see text and Table 2.

2009061 Northern Flemish Pass

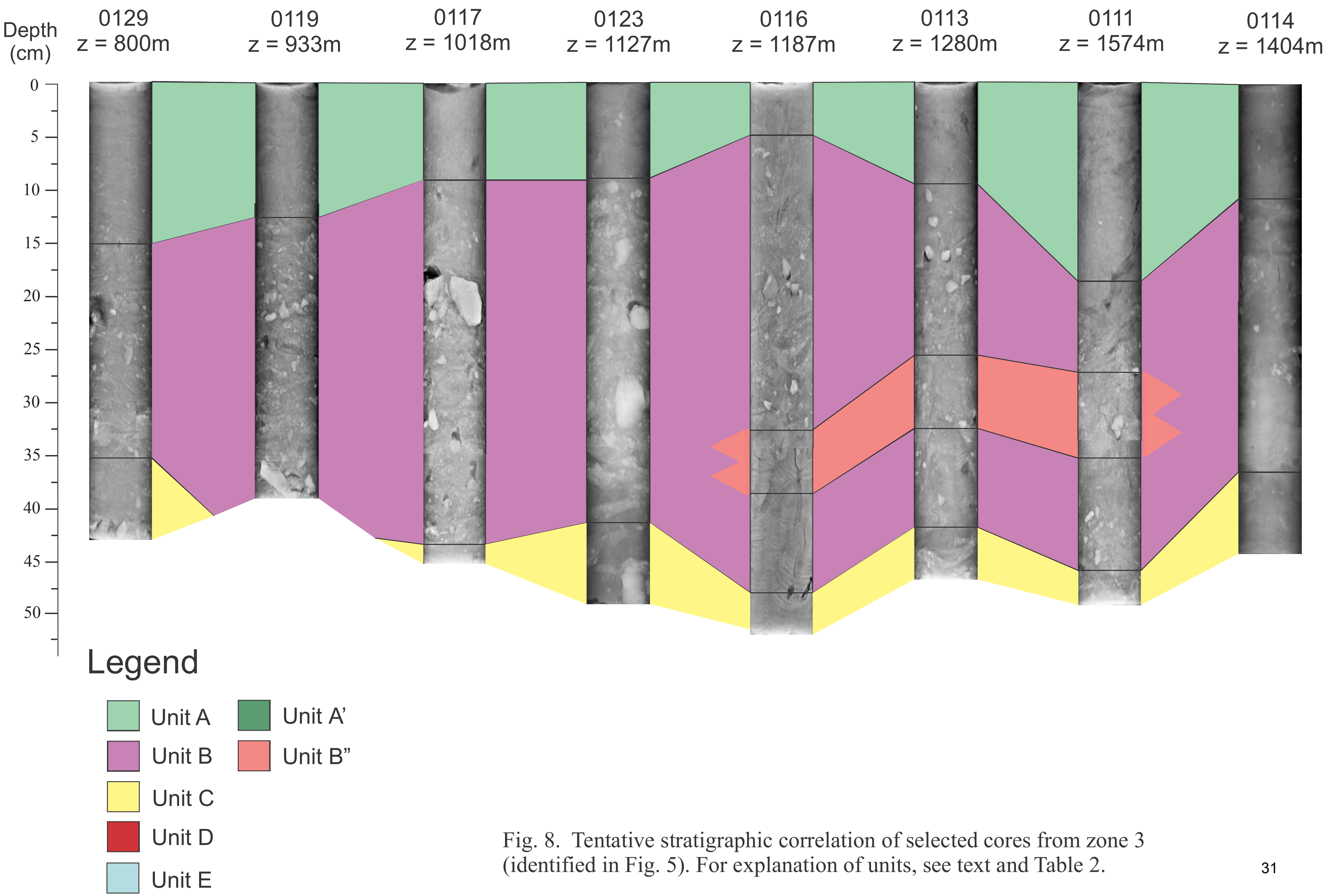


Fig. 8. Tentative stratigraphic correlation of selected cores from zone 3 (identified in Fig. 5). For explanation of units, see text and Table 2.

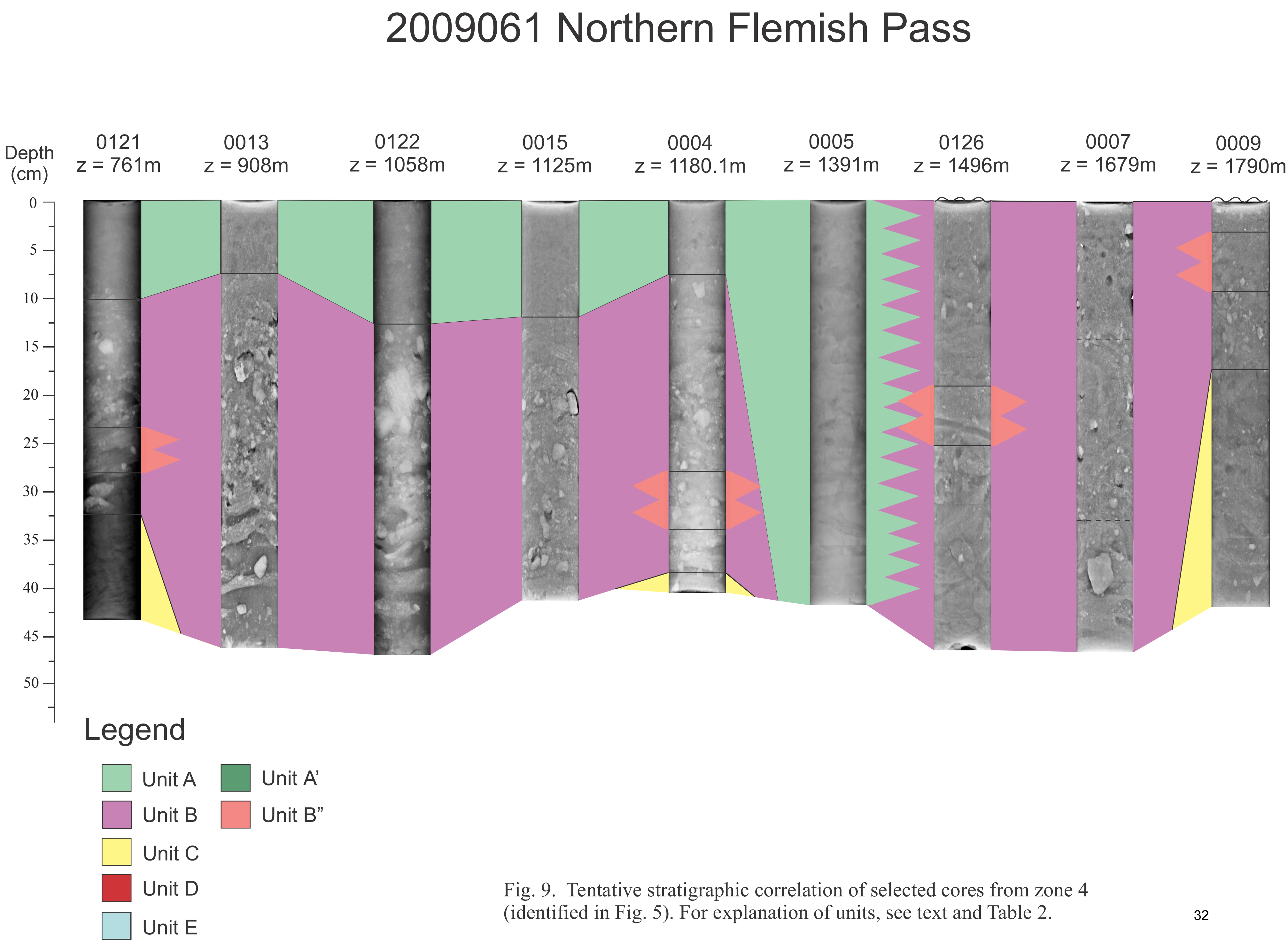


Fig. 9. Tentative stratigraphic correlation of selected cores from zone 4 (identified in Fig. 5). For explanation of units, see text and Table 2.

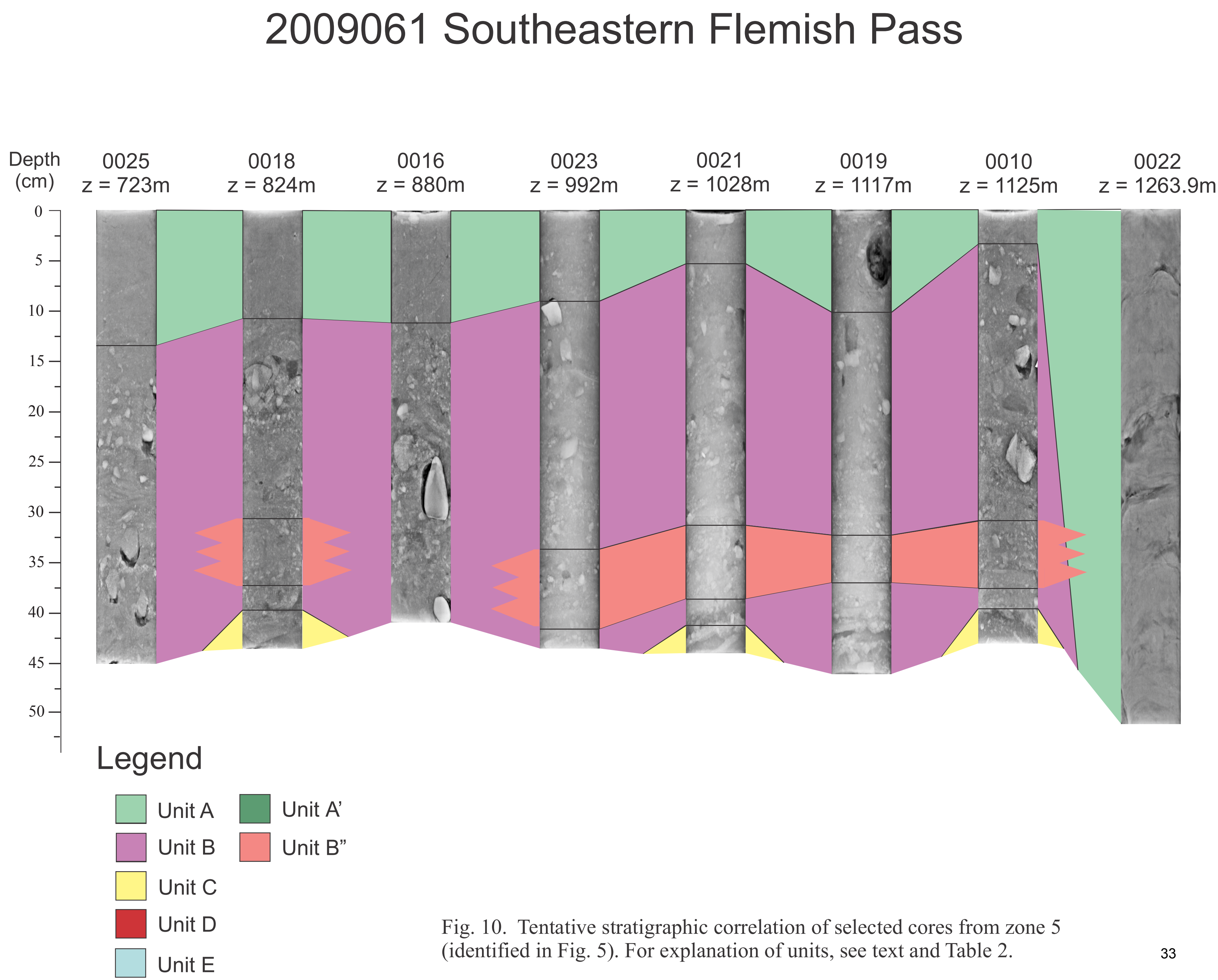


Fig. 10. Tentative stratigraphic correlation of selected cores from zone 5 (identified in Fig. 5). For explanation of units, see text and Table 2.

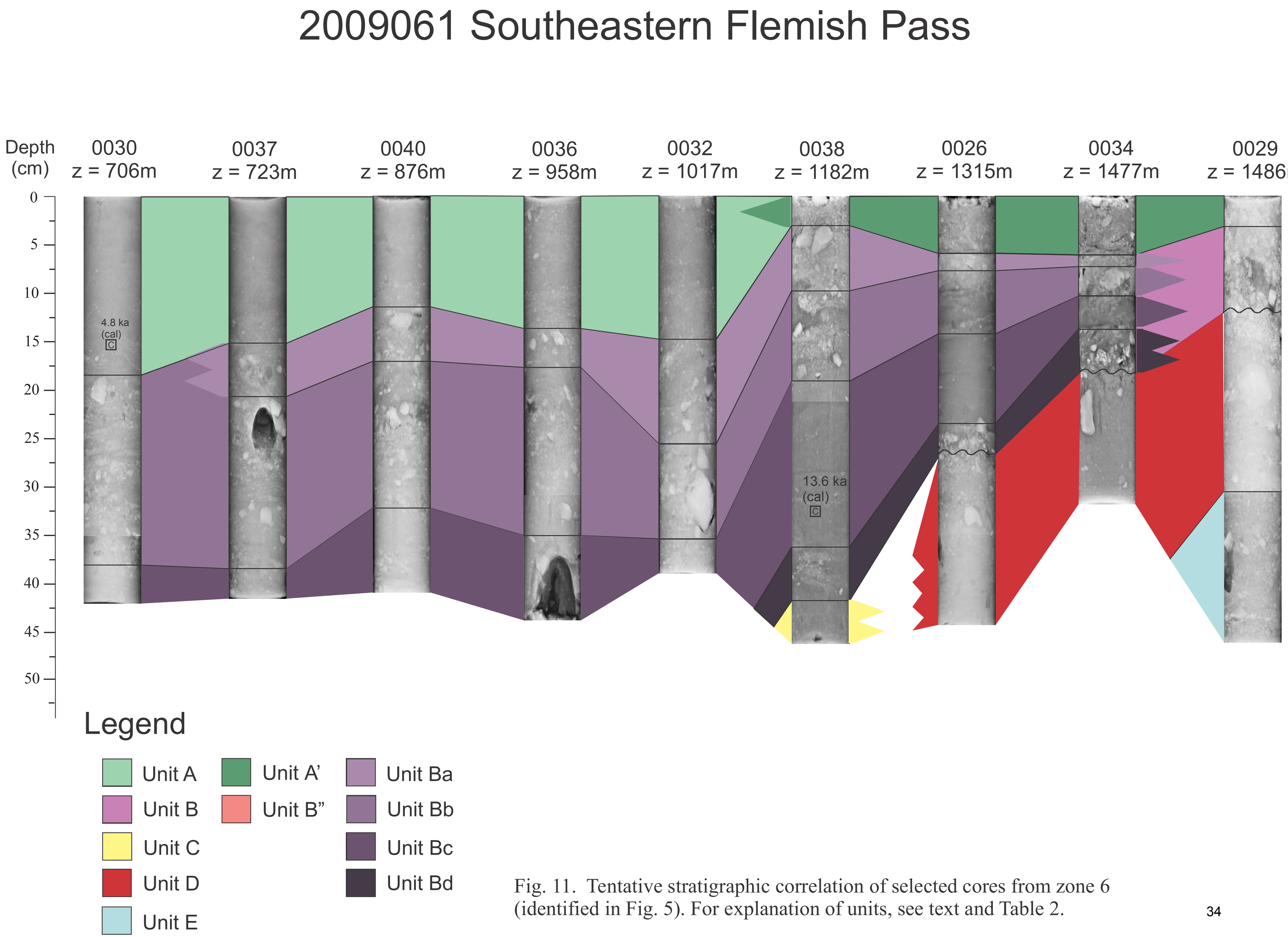


Fig. 11. Tentative stratigraphic correlation of selected cores from zone 6 (identified in Fig. 5). For explanation of units, see text and Table 2.

2009061 Southeastern Flemish Pass

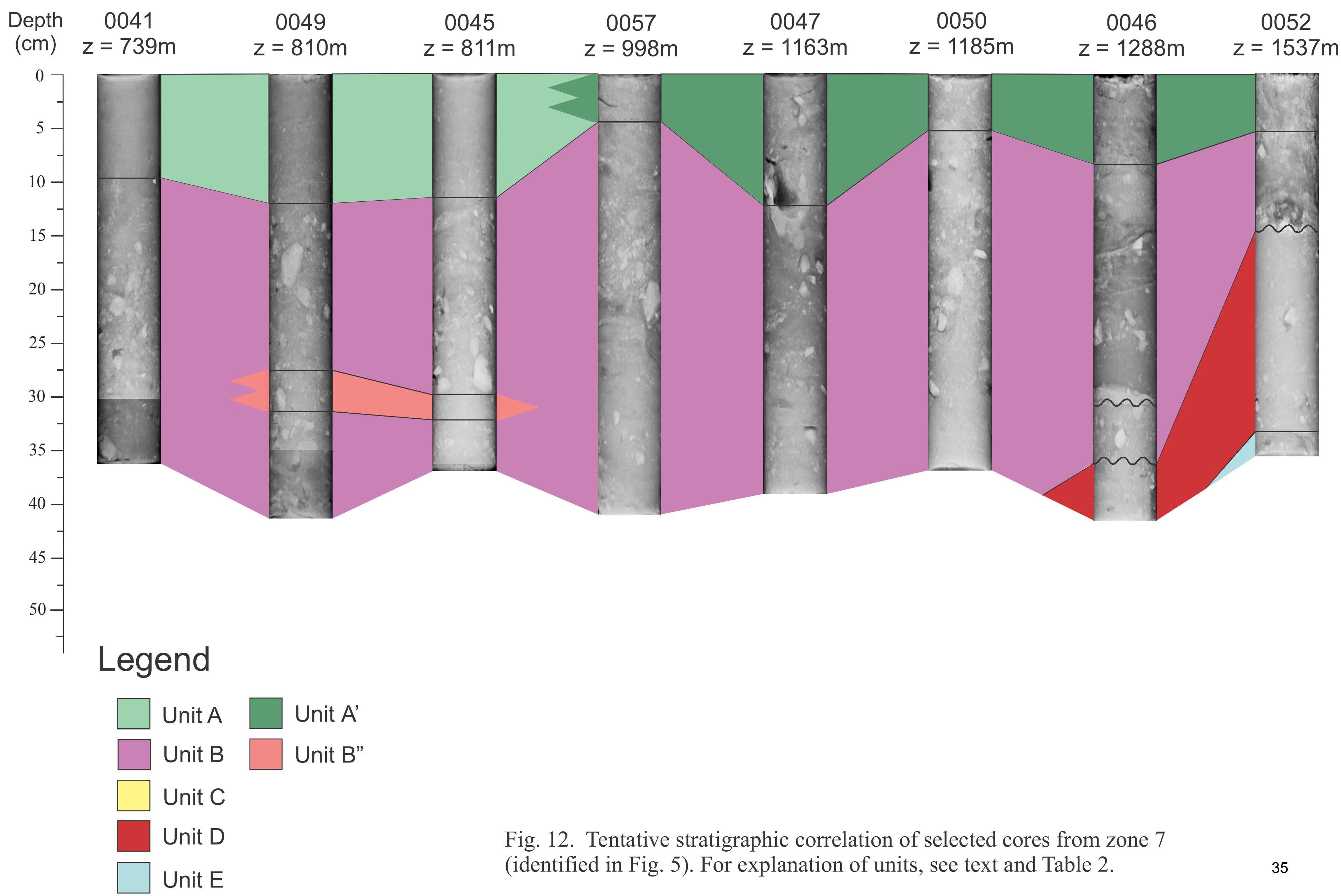


Fig. 12. Tentative stratigraphic correlation of selected cores from zone 7 (identified in Fig. 5). For explanation of units, see text and Table 2.

2009061 Southeastern Flemish Pass

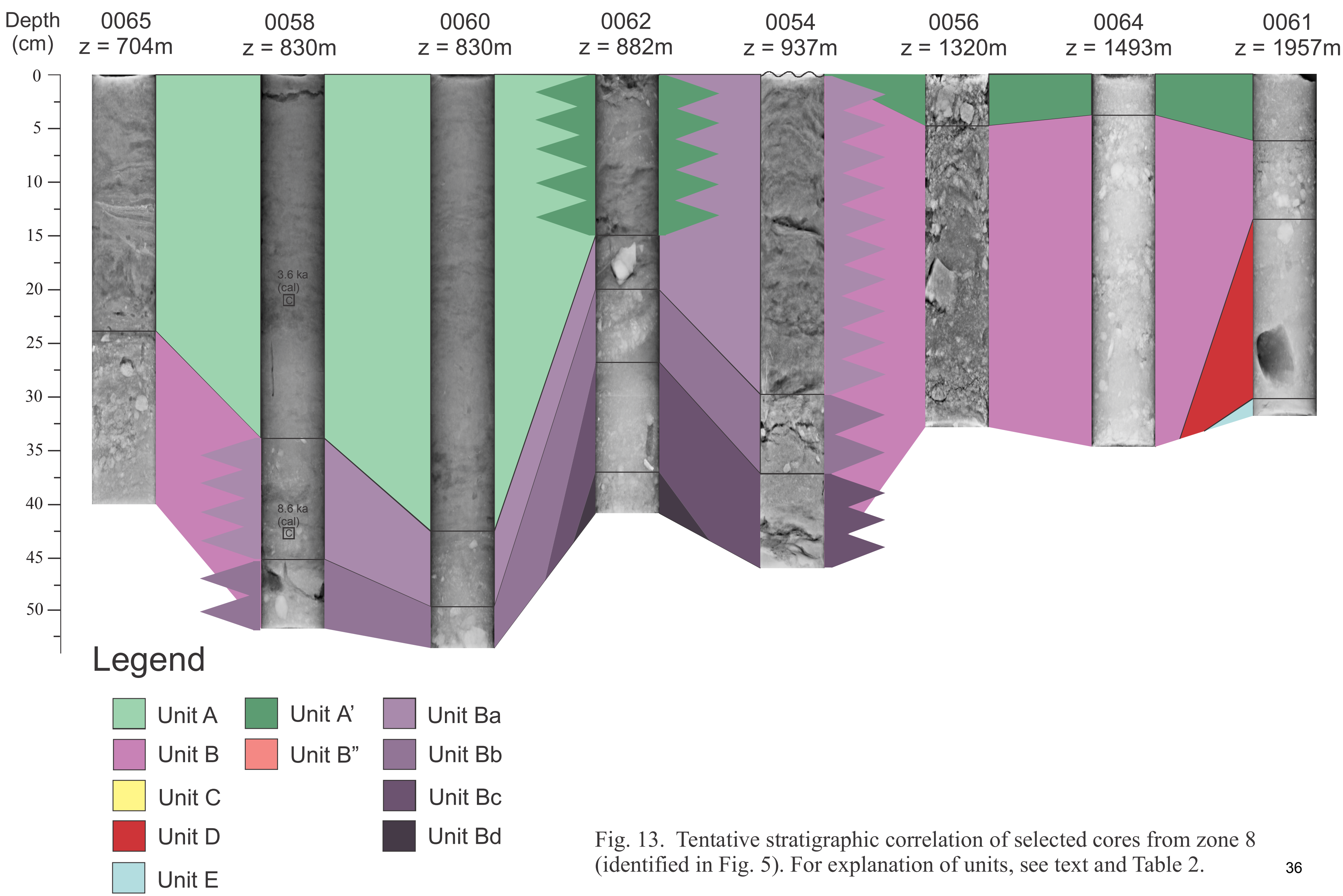


Fig. 13. Tentative stratigraphic correlation of selected cores from zone 8 (identified in Fig. 5). For explanation of units, see text and Table 2.

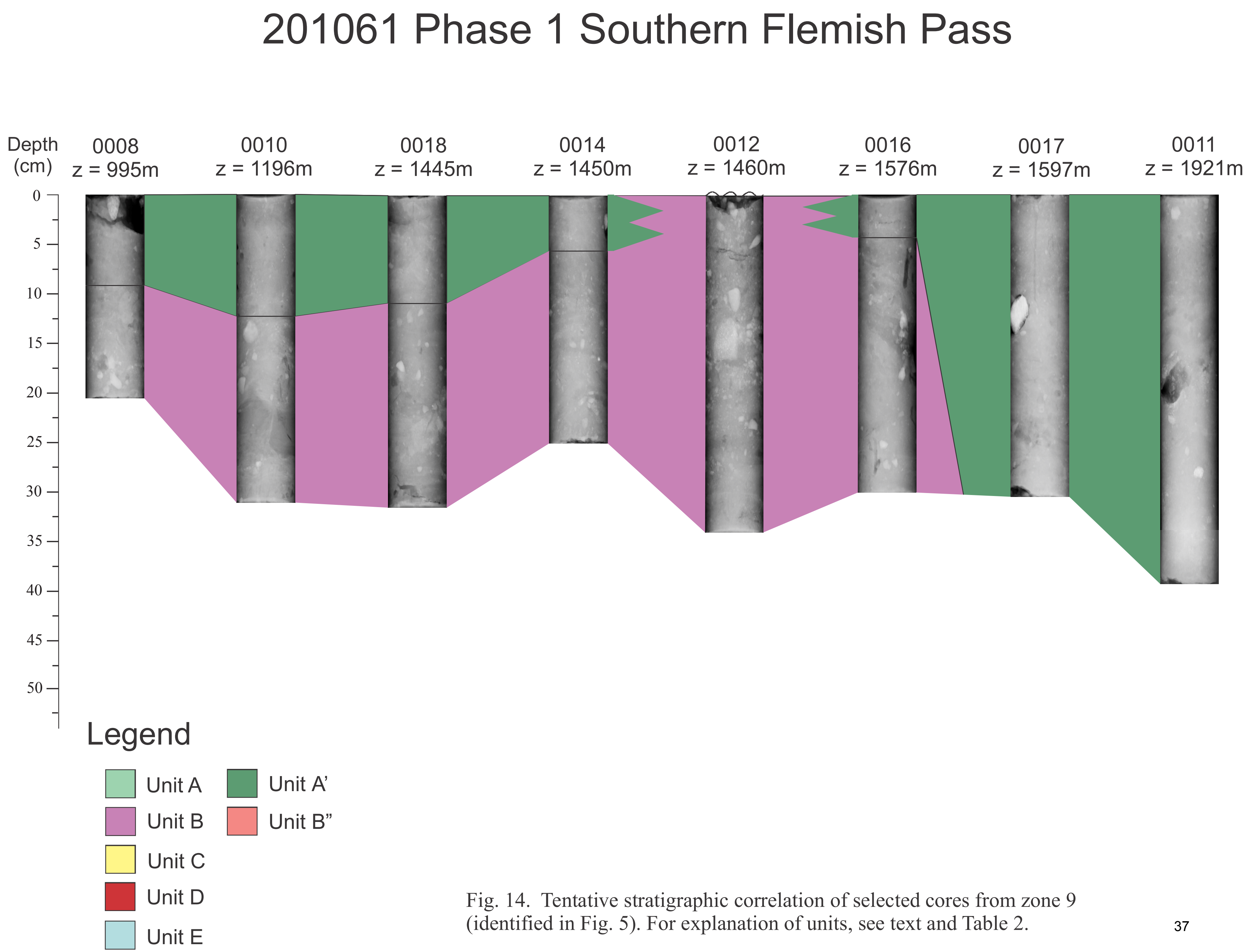


Fig. 14. Tentative stratigraphic correlation of selected cores from zone 9 (identified in Fig. 5). For explanation of units, see text and Table 2.

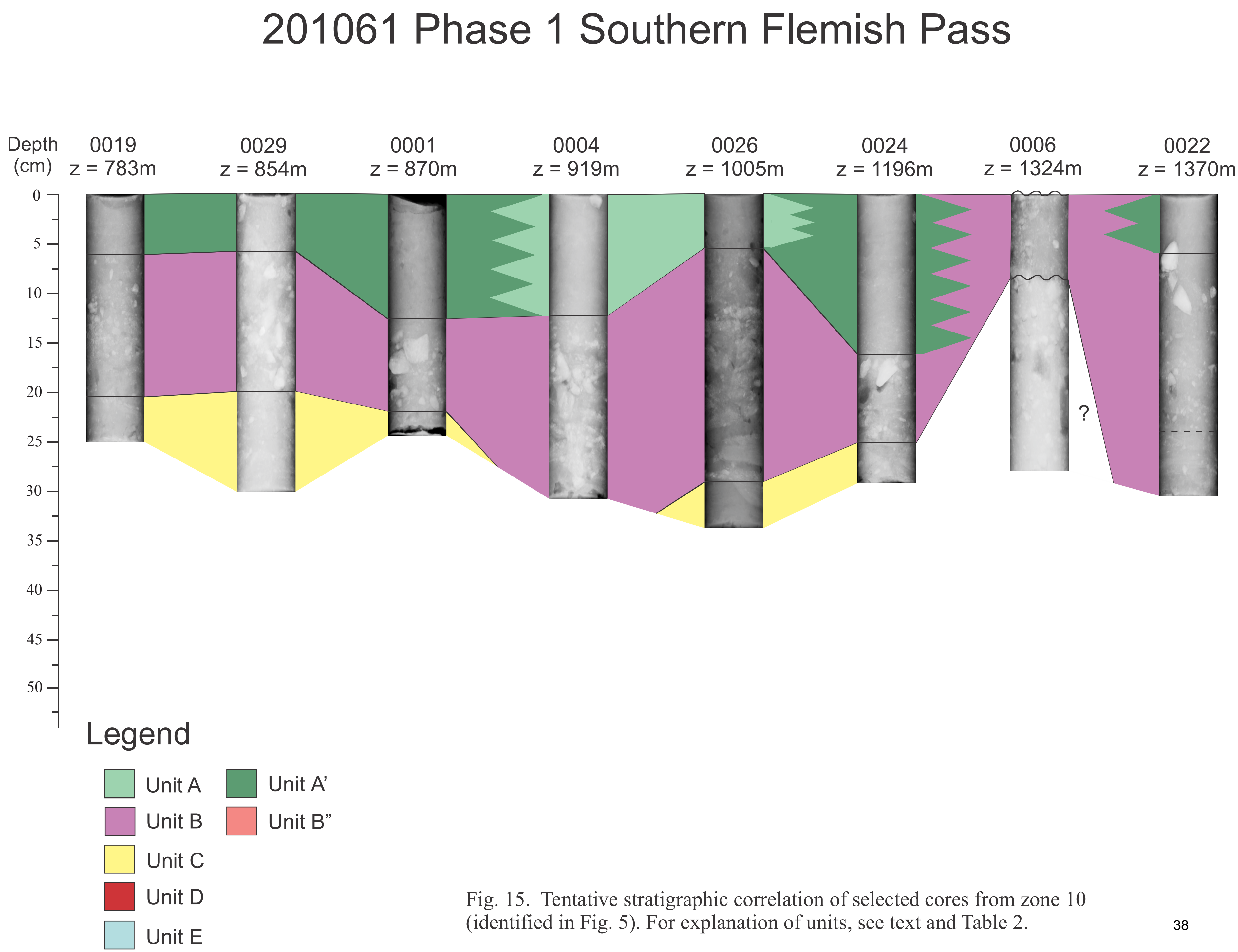


Fig. 15. Tentative stratigraphic correlation of selected cores from zone 10 (identified in Fig. 5). For explanation of units, see text and Table 2.

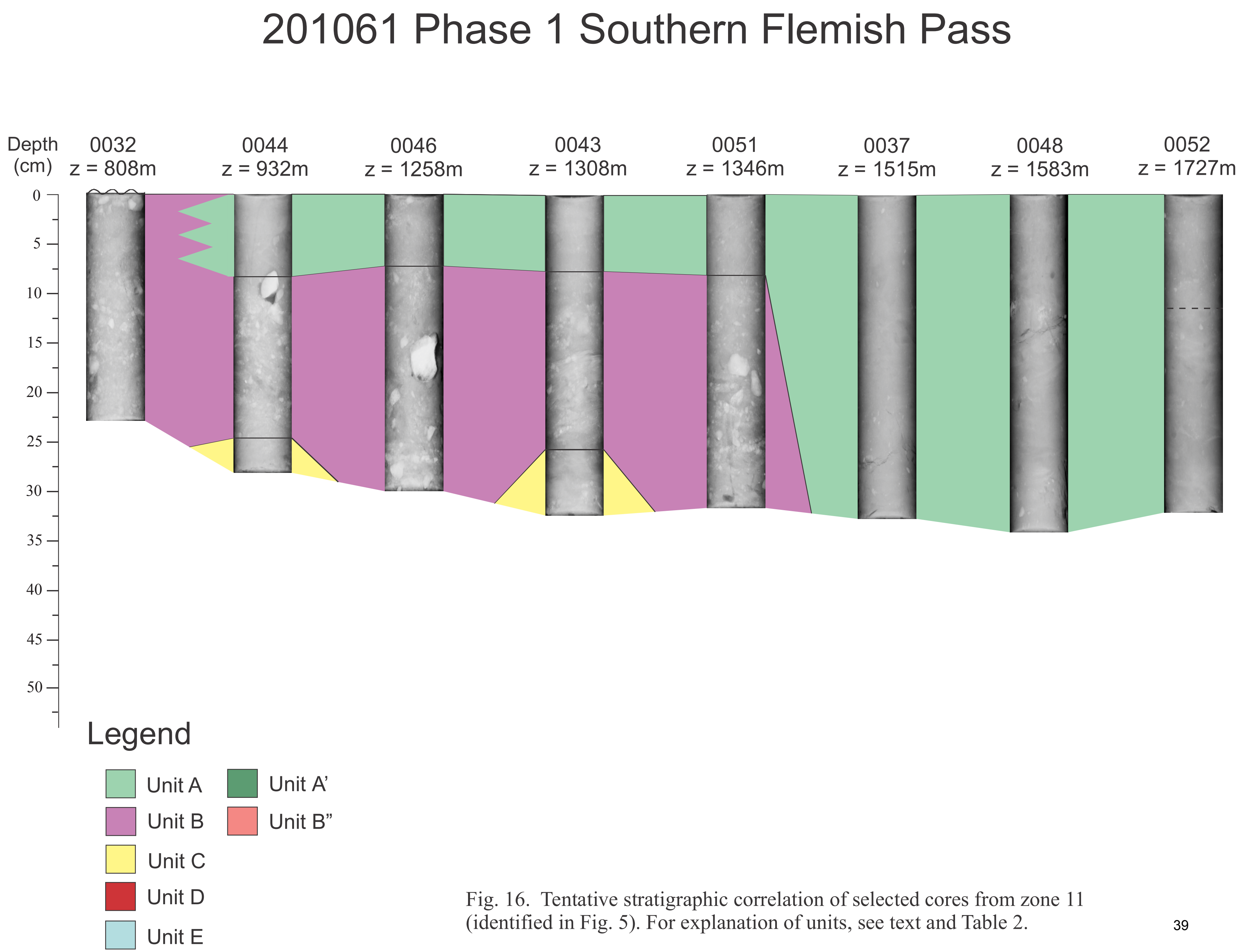


Fig. 16. Tentative stratigraphic correlation of selected cores from zone 11 (identified in Fig. 5). For explanation of units, see text and Table 2.

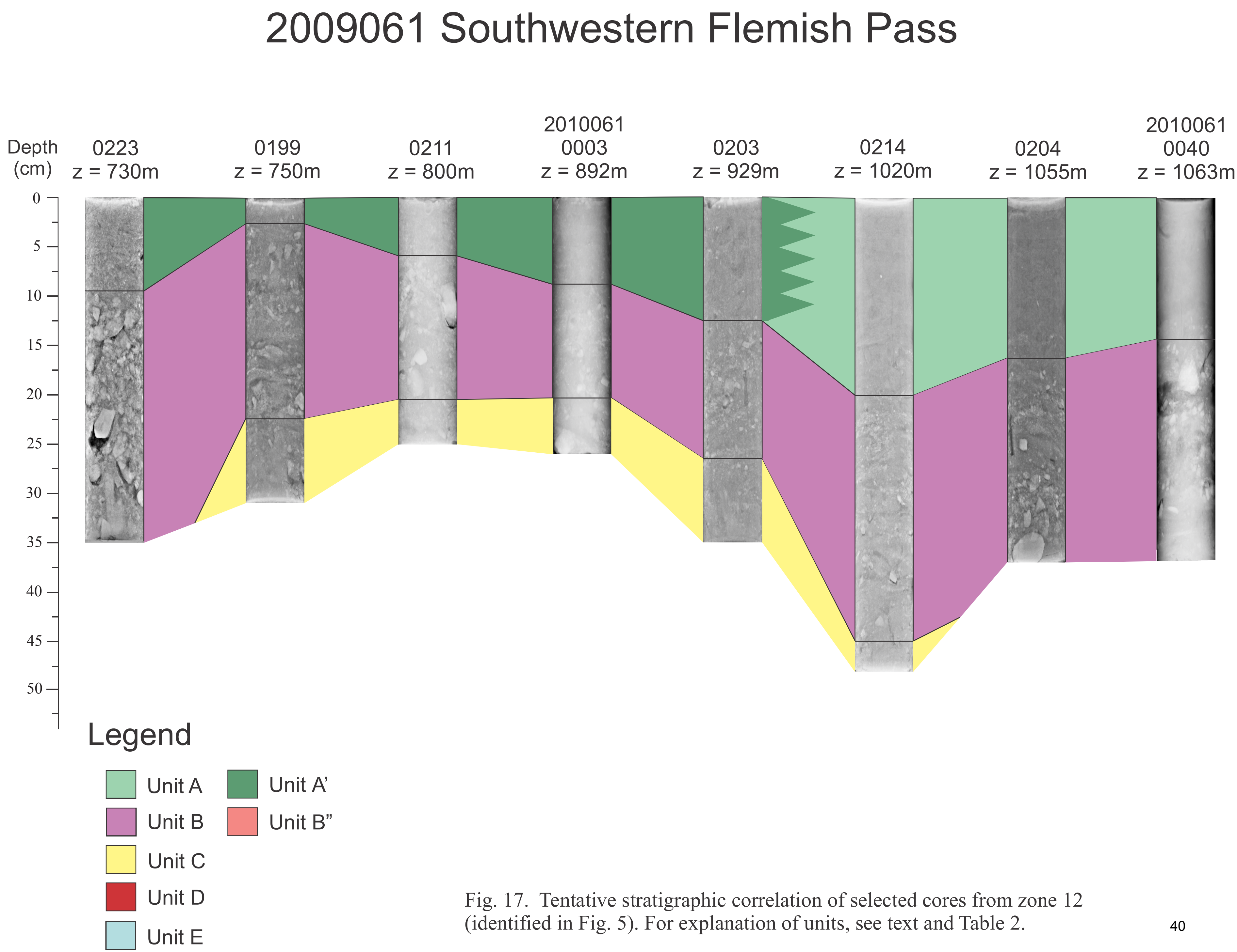


Fig. 17. Tentative stratigraphic correlation of selected cores from zone 12 (identified in Fig. 5). For explanation of units, see text and Table 2.

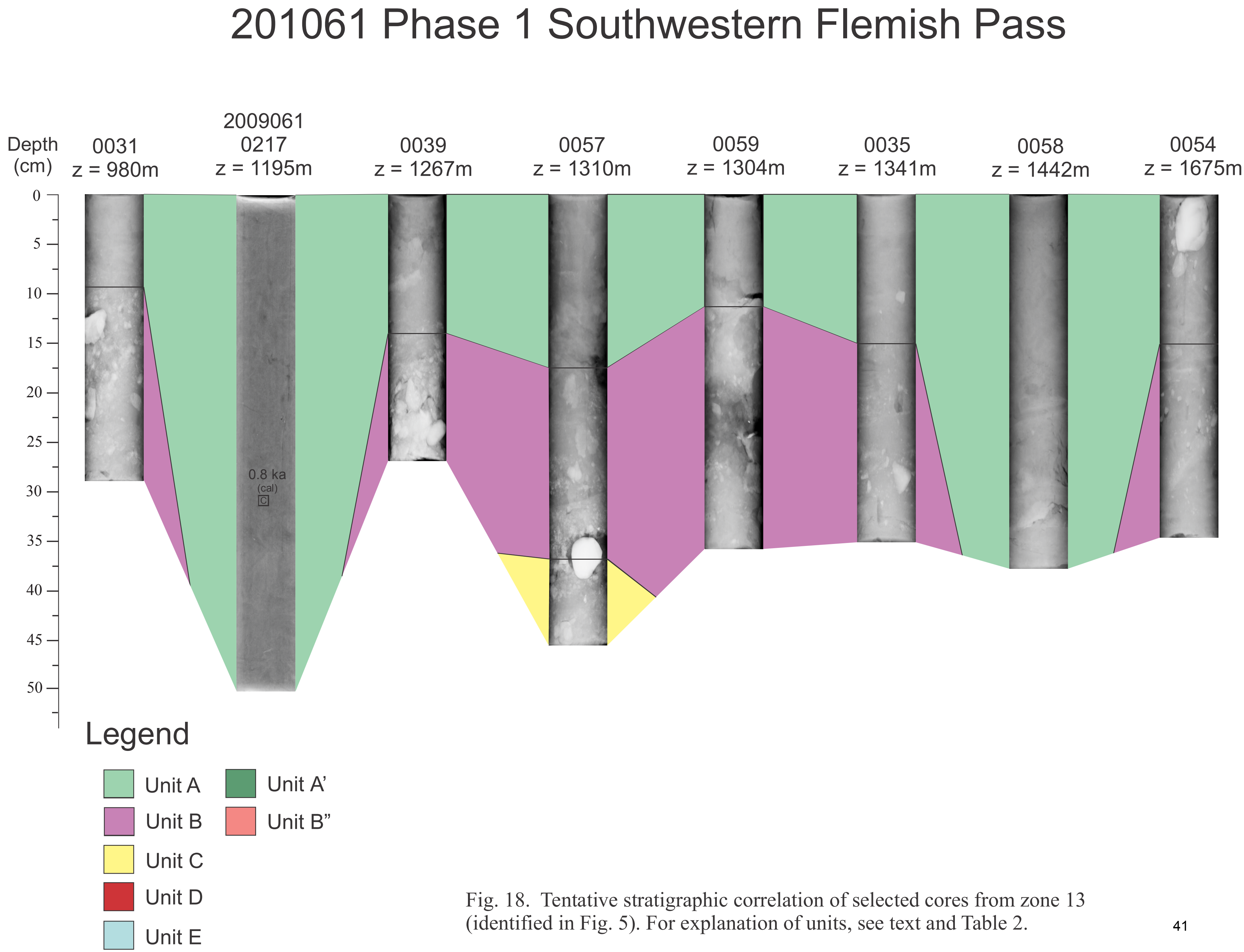


Fig. 18. Tentative stratigraphic correlation of selected cores from zone 13 (identified in Fig. 5). For explanation of units, see text and Table 2.

2009061 Western Flemish Pass

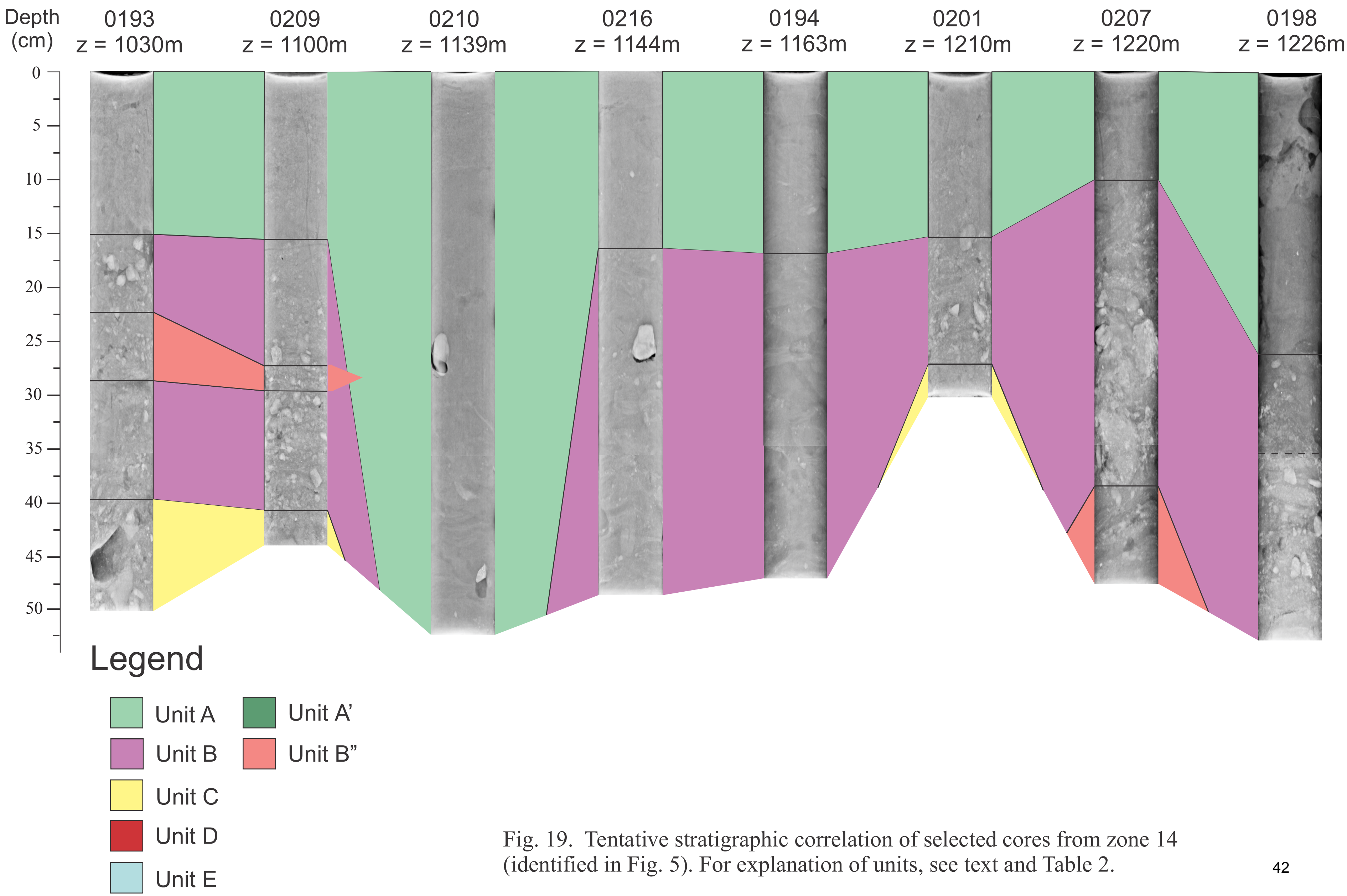


Fig. 19. Tentative stratigraphic correlation of selected cores from zone 14 (identified in Fig. 5). For explanation of units, see text and Table 2.

2009061 Western Flemish Pass

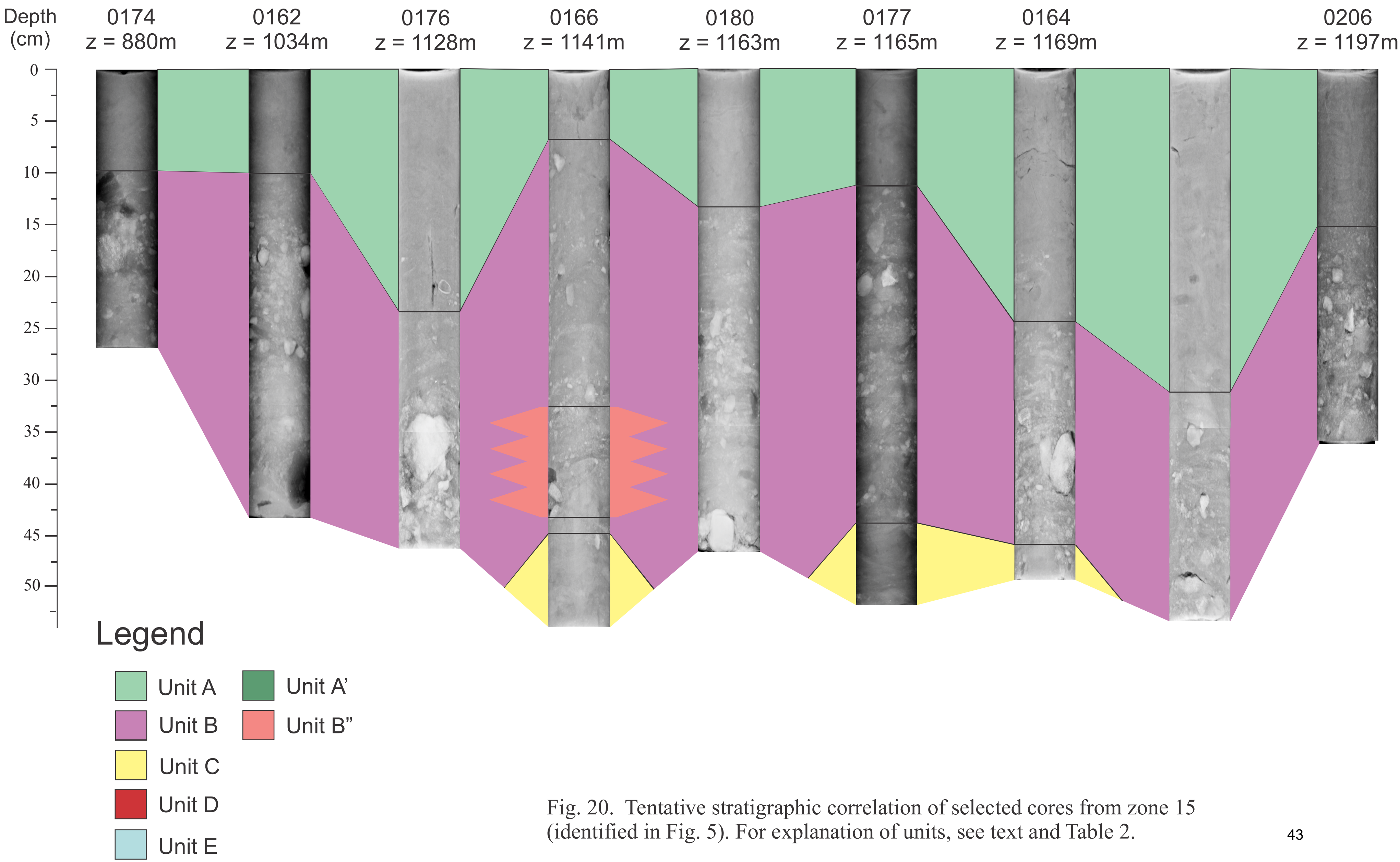


Fig. 20. Tentative stratigraphic correlation of selected cores from zone 15 (identified in Fig. 5). For explanation of units, see text and Table 2.

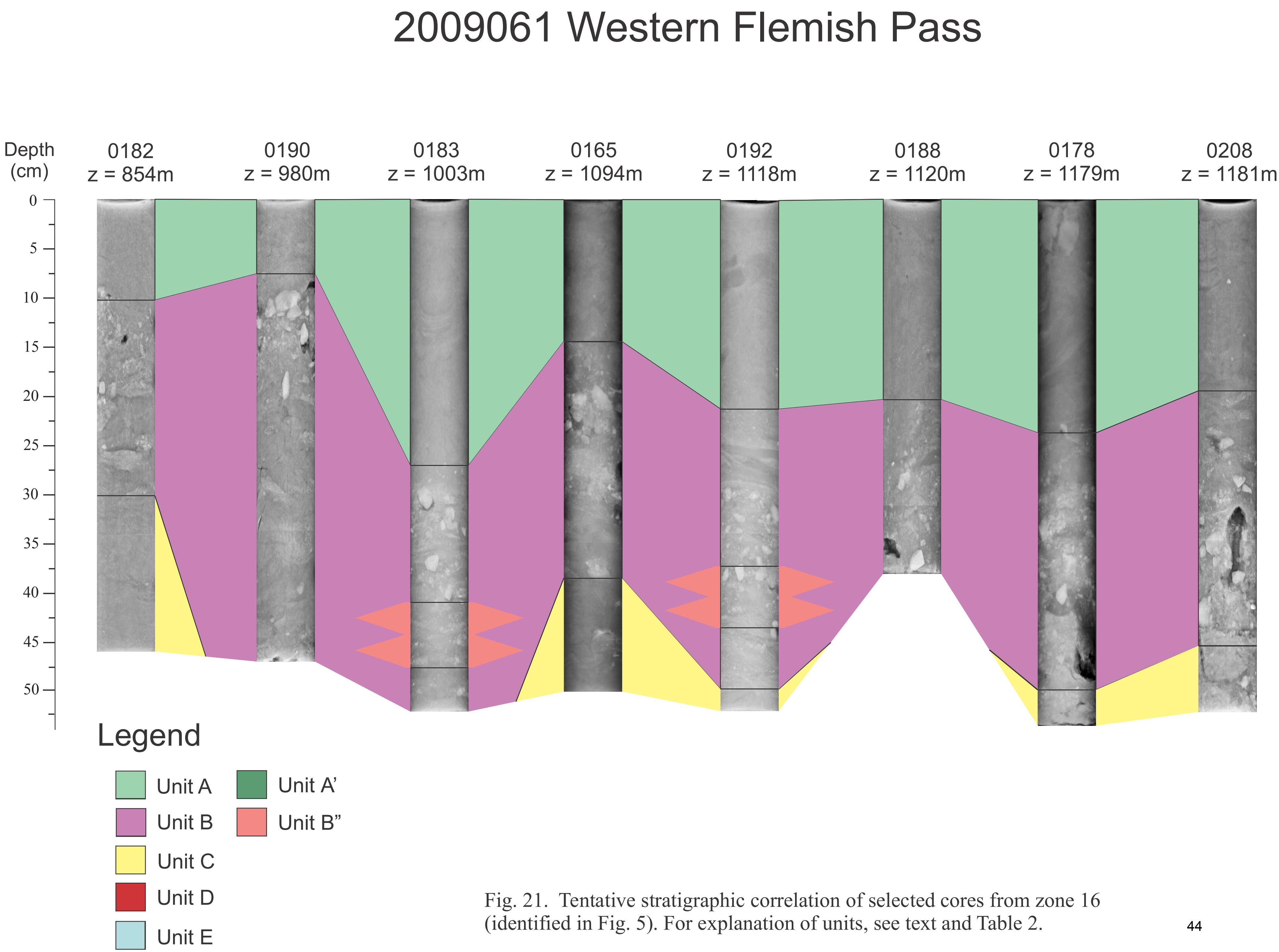


Fig. 21. Tentative stratigraphic correlation of selected cores from zone 16 (identified in Fig. 5). For explanation of units, see text and Table 2.

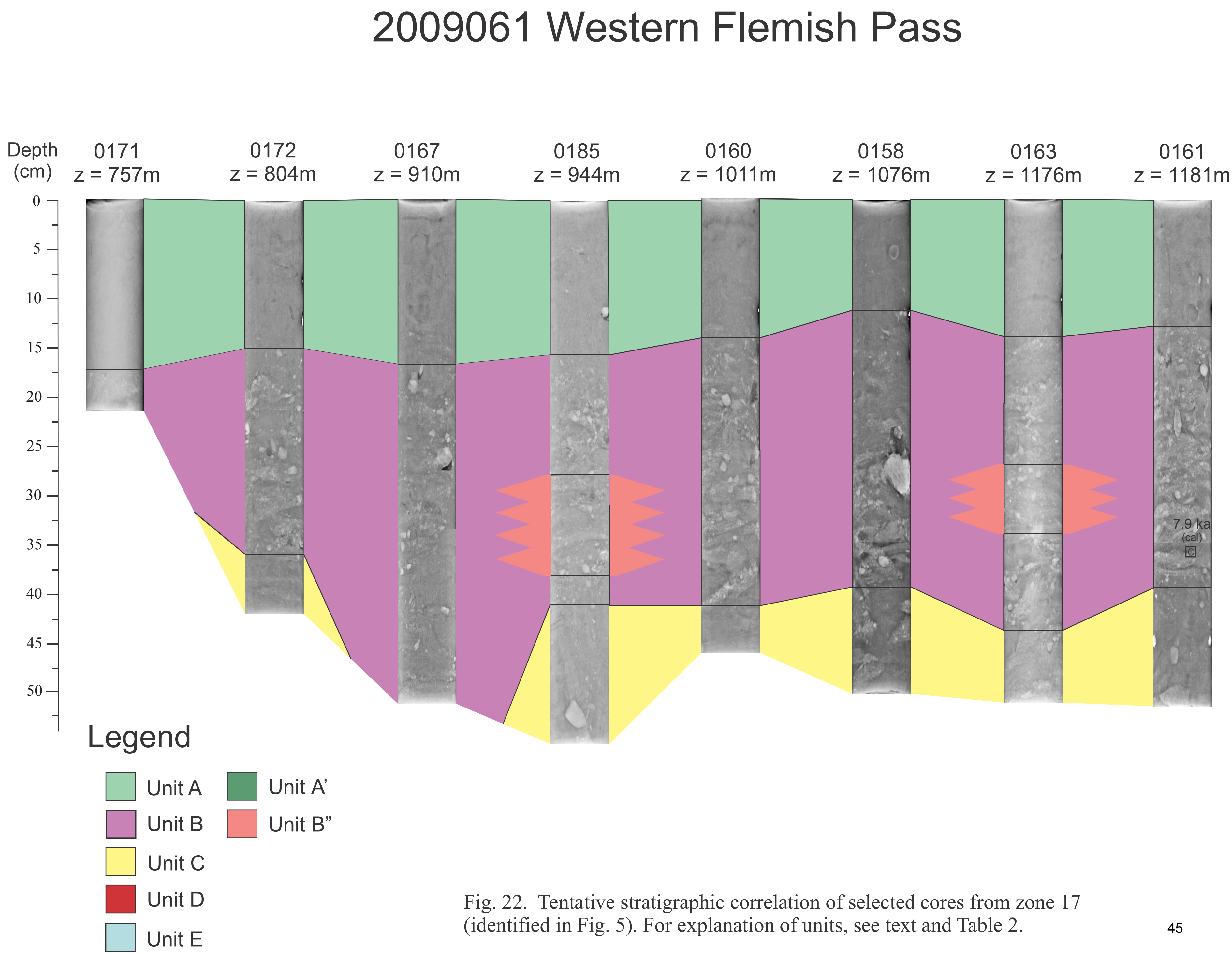


Fig. 22. Tentative stratigraphic correlation of selected cores from zone 17 (identified in Fig. 5). For explanation of units, see text and Table 2.

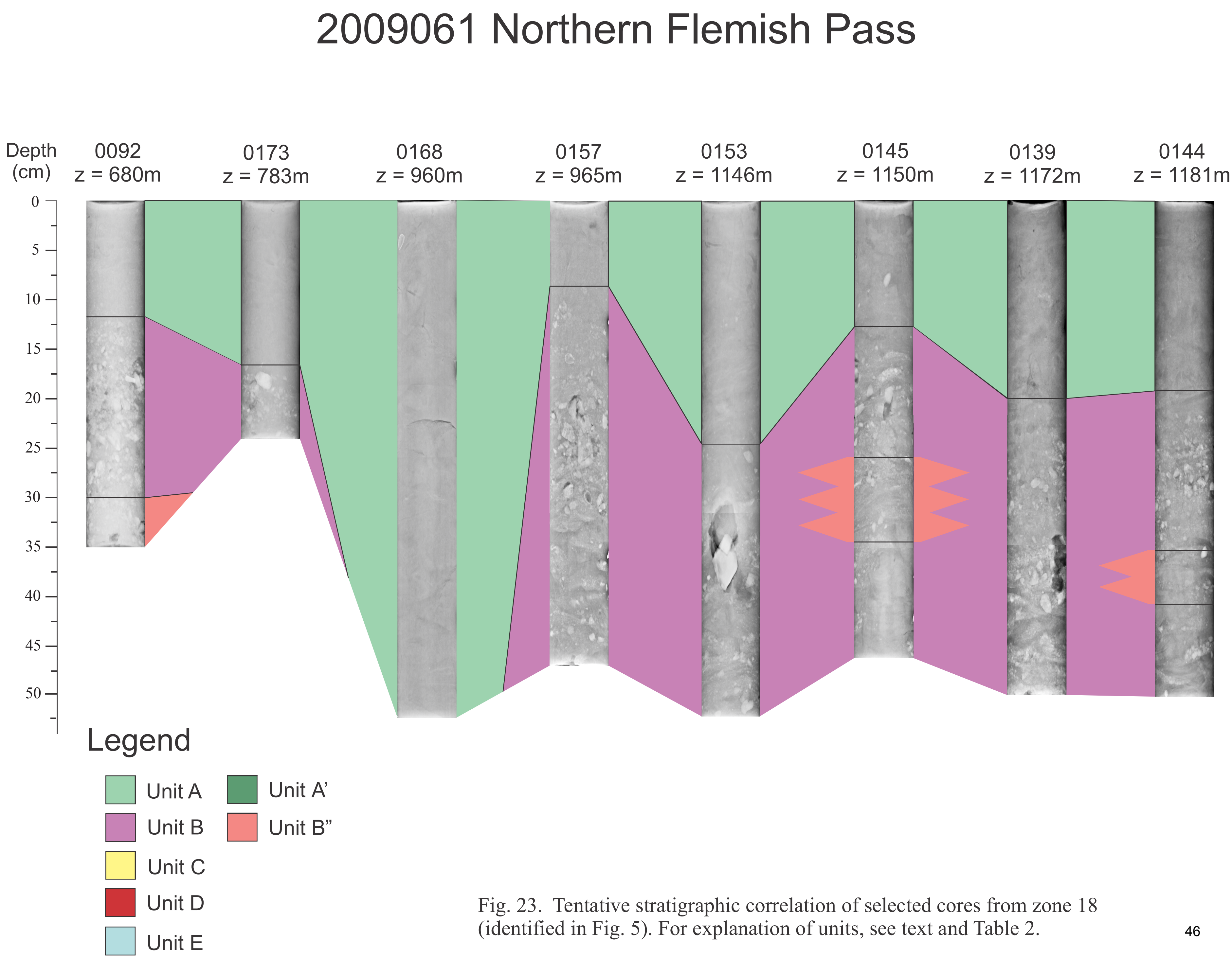


Fig. 23. Tentative stratigraphic correlation of selected cores from zone 18 (identified in Fig. 5). For explanation of units, see text and Table 2.

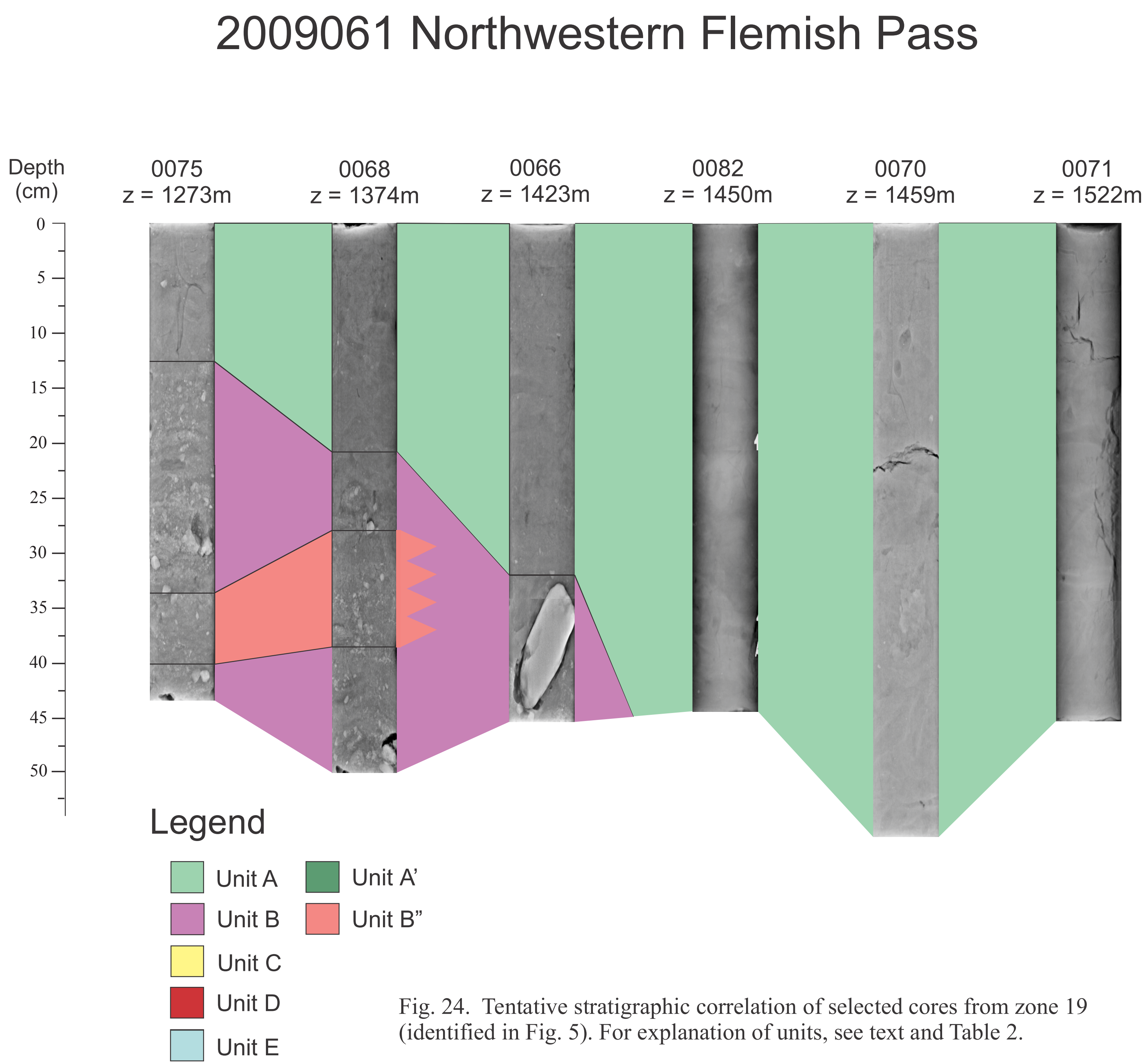


Fig. 24. Tentative stratigraphic correlation of selected cores from zone 19 (identified in Fig. 5). For explanation of units, see text and Table 2.

2009061 Northern Flemish Pass

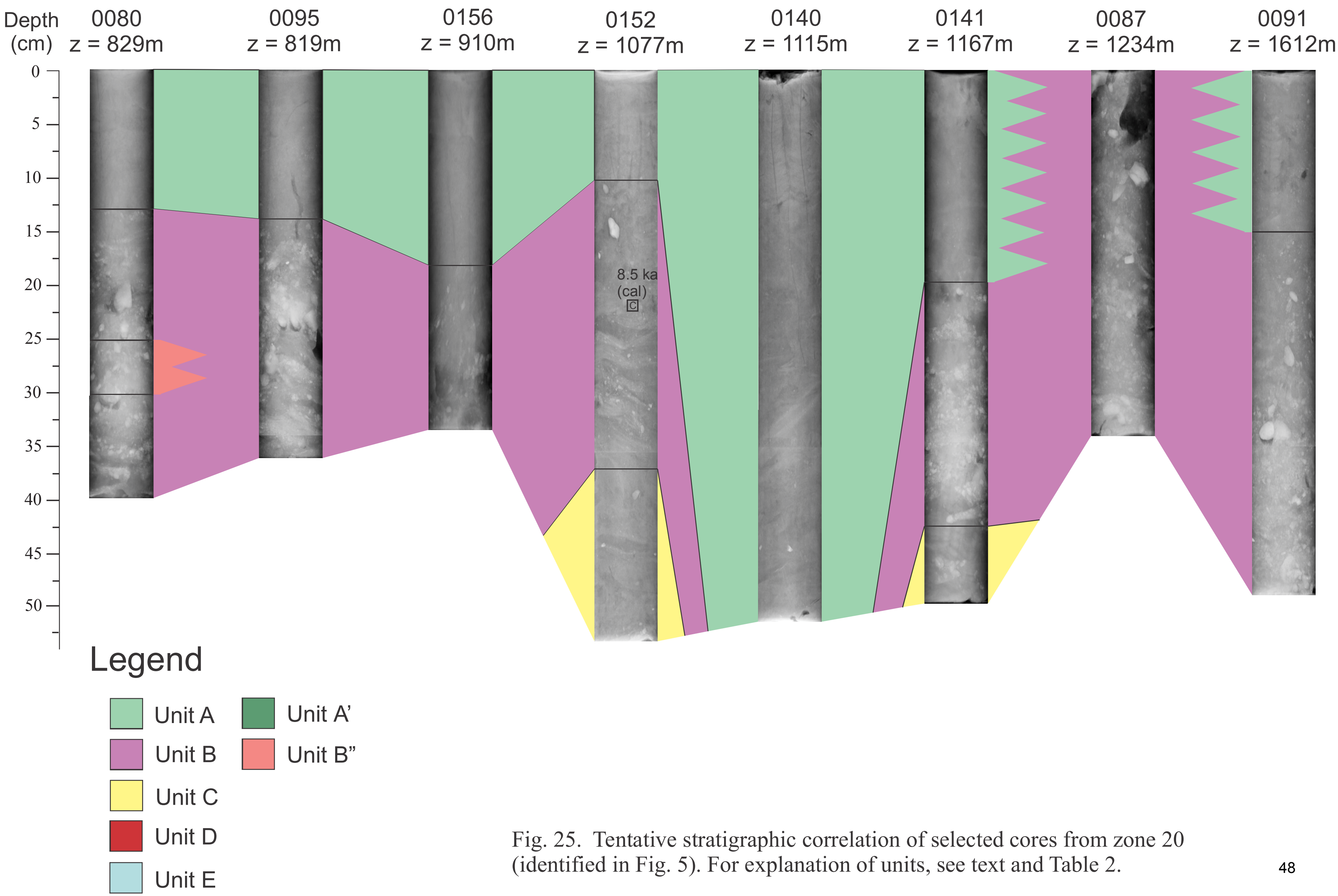


Fig. 25. Tentative stratigraphic correlation of selected cores from zone 20 (identified in Fig. 5). For explanation of units, see text and Table 2.

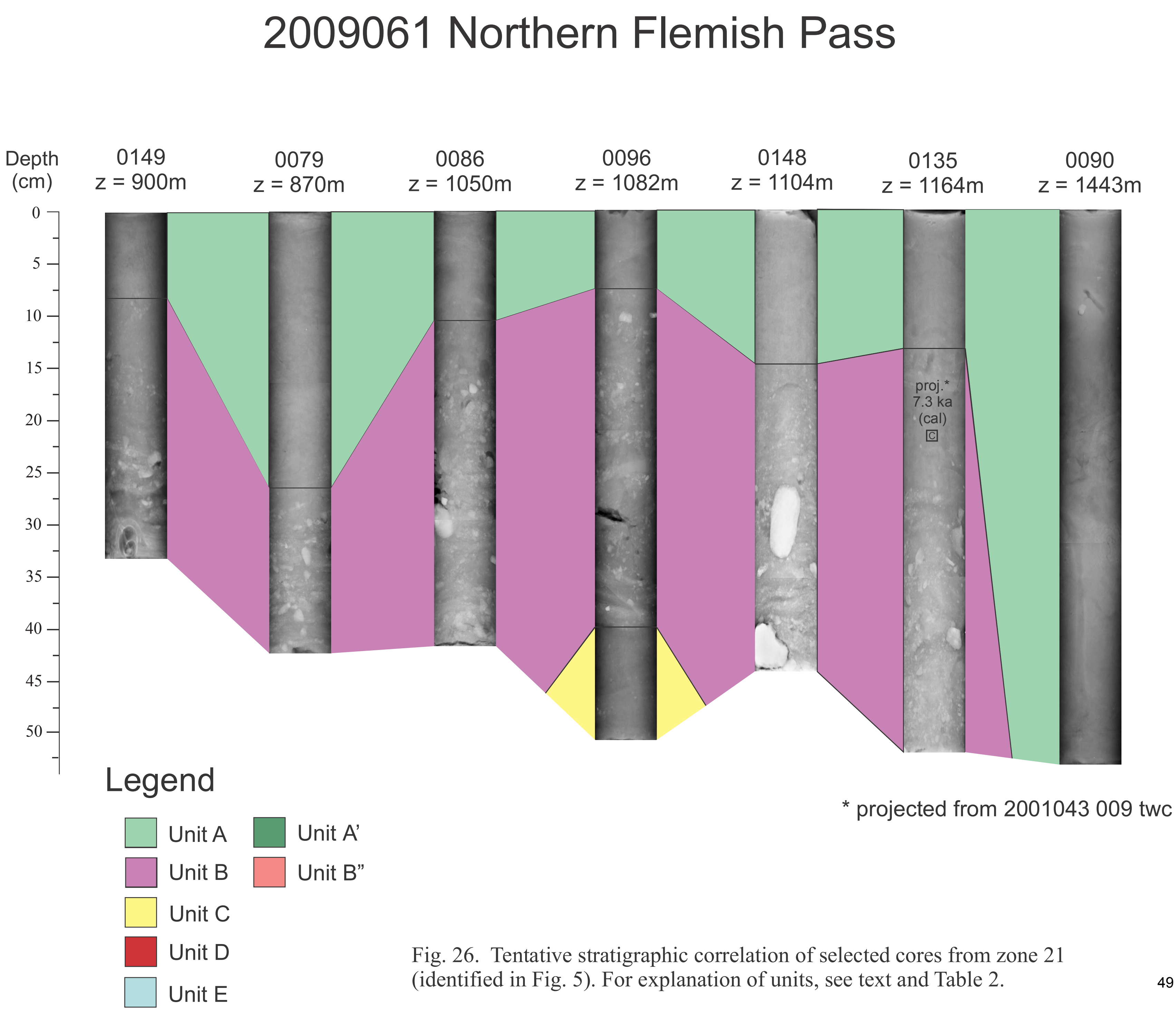


Fig. 26. Tentative stratigraphic correlation of selected cores from zone 21 (identified in Fig. 5). For explanation of units, see text and Table 2.

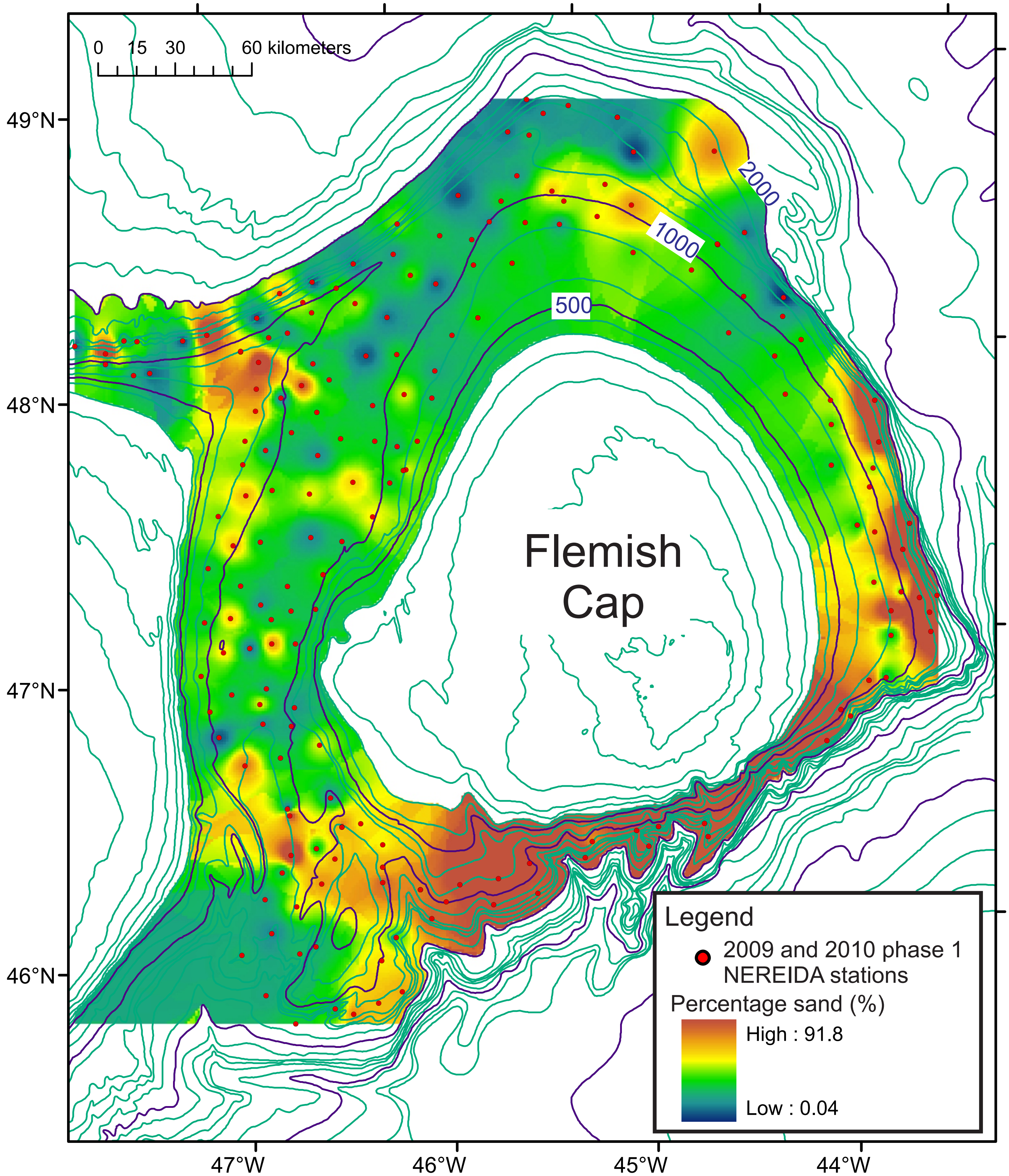


Fig. 27. Variation in % sand (63–2000 µm) in surficial sediment around Flemish Pass.

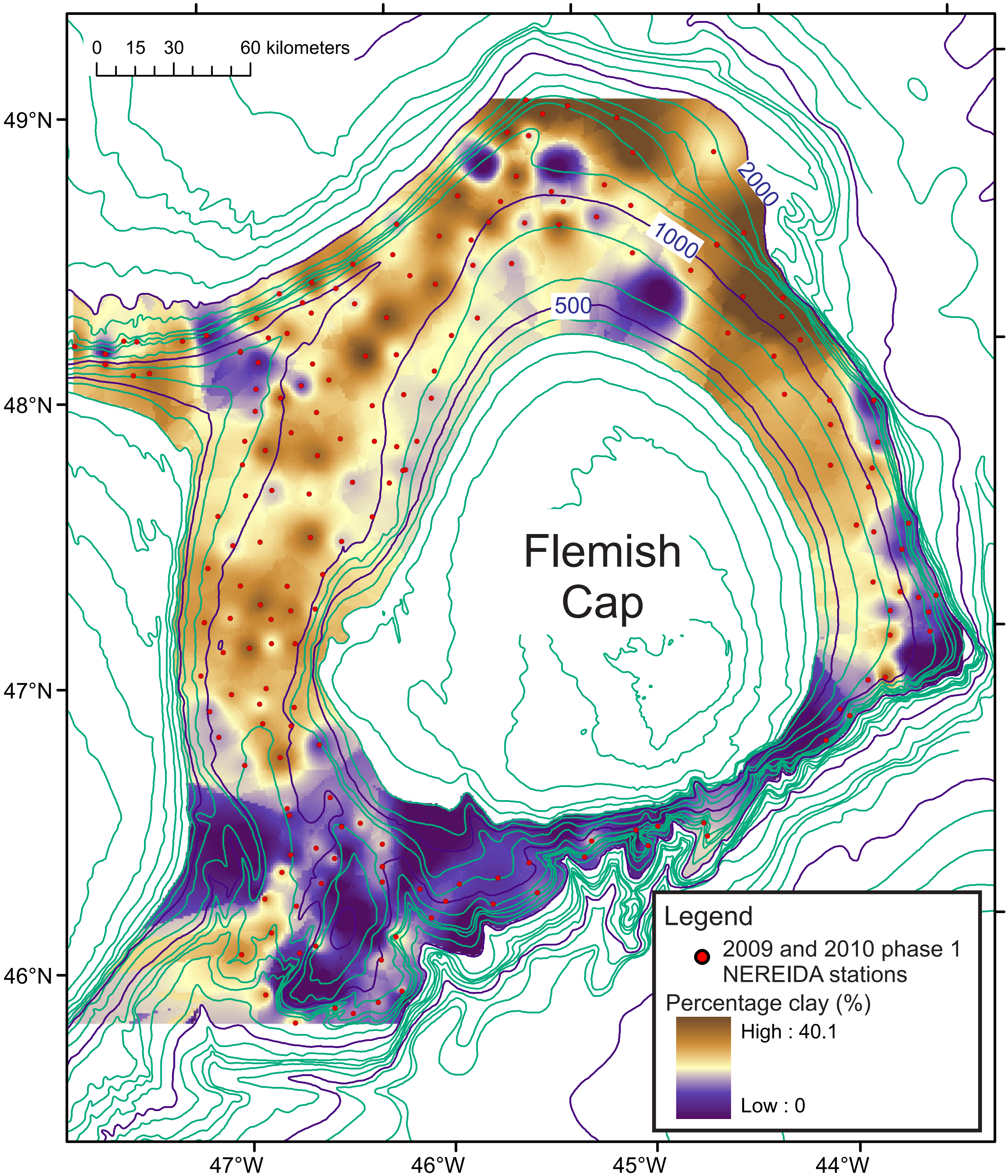


Fig. 28. Variation in % clay (< 4 μm) in surficial sediment around Flemish Pass.

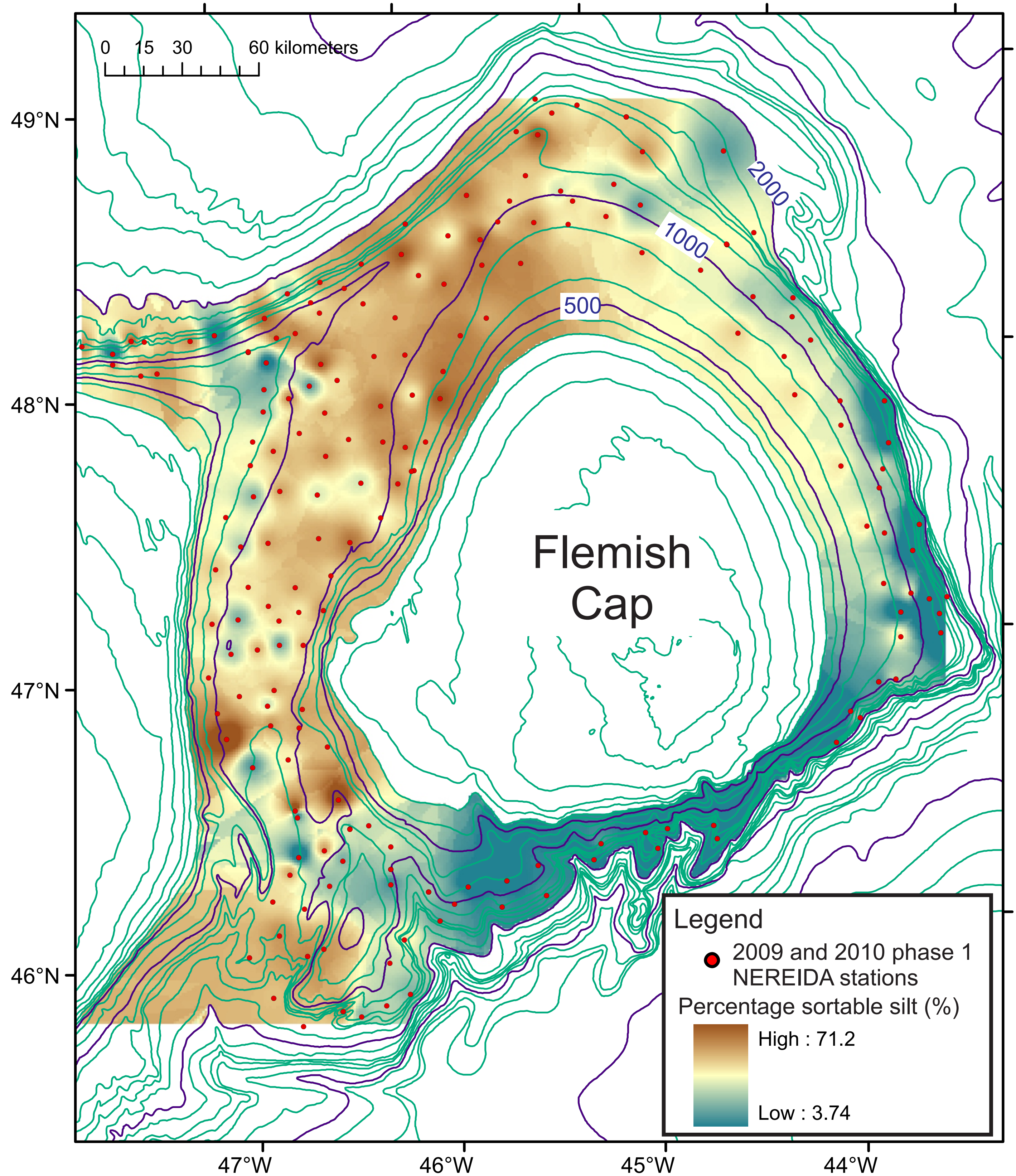


Fig. 29. Variation in % sortable silt (10–63 µm) in surficial sediment around Flemish Pass.

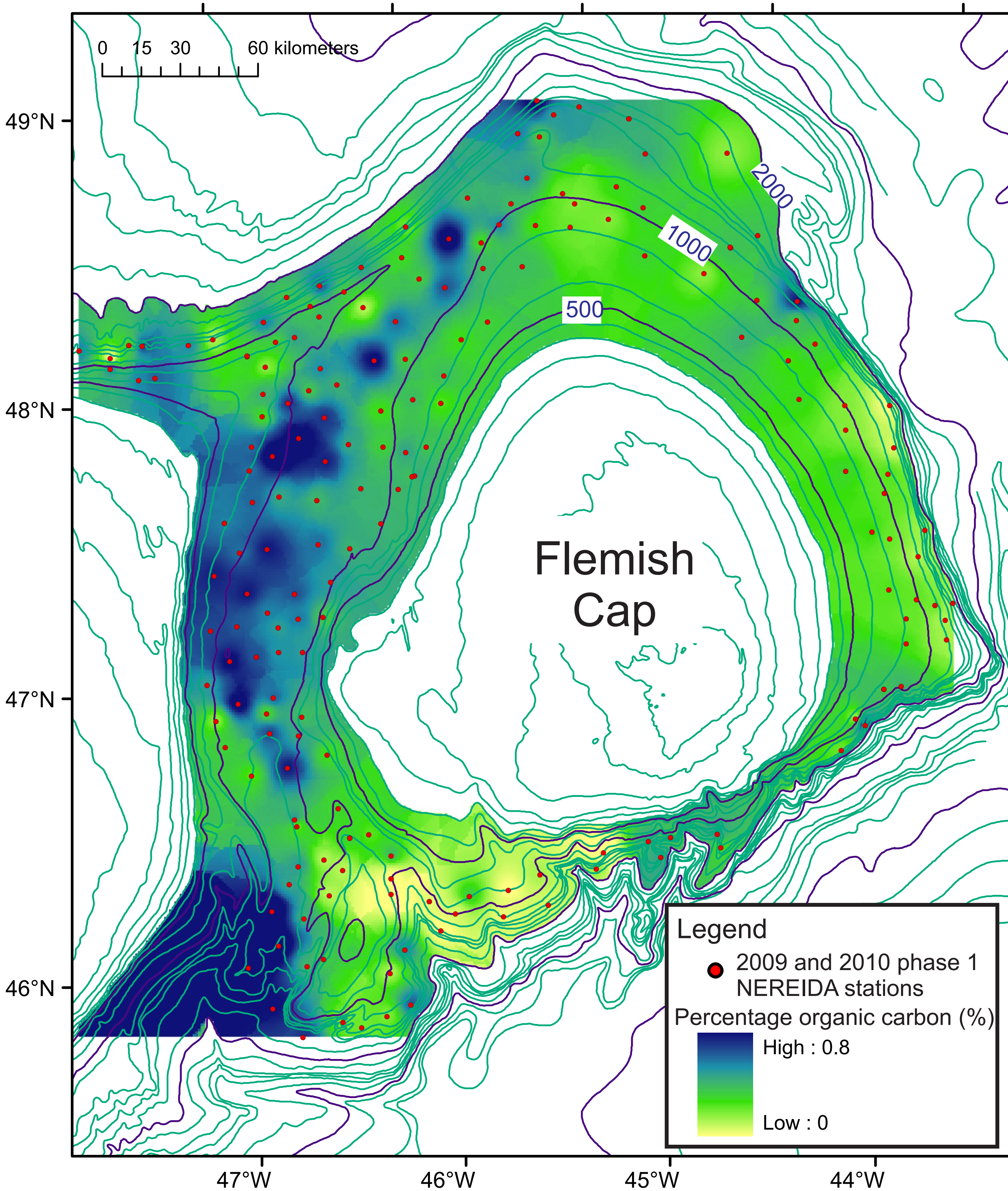


Fig. 30. Variation in % organic carbon in surficial sediment around Flemish Pass.

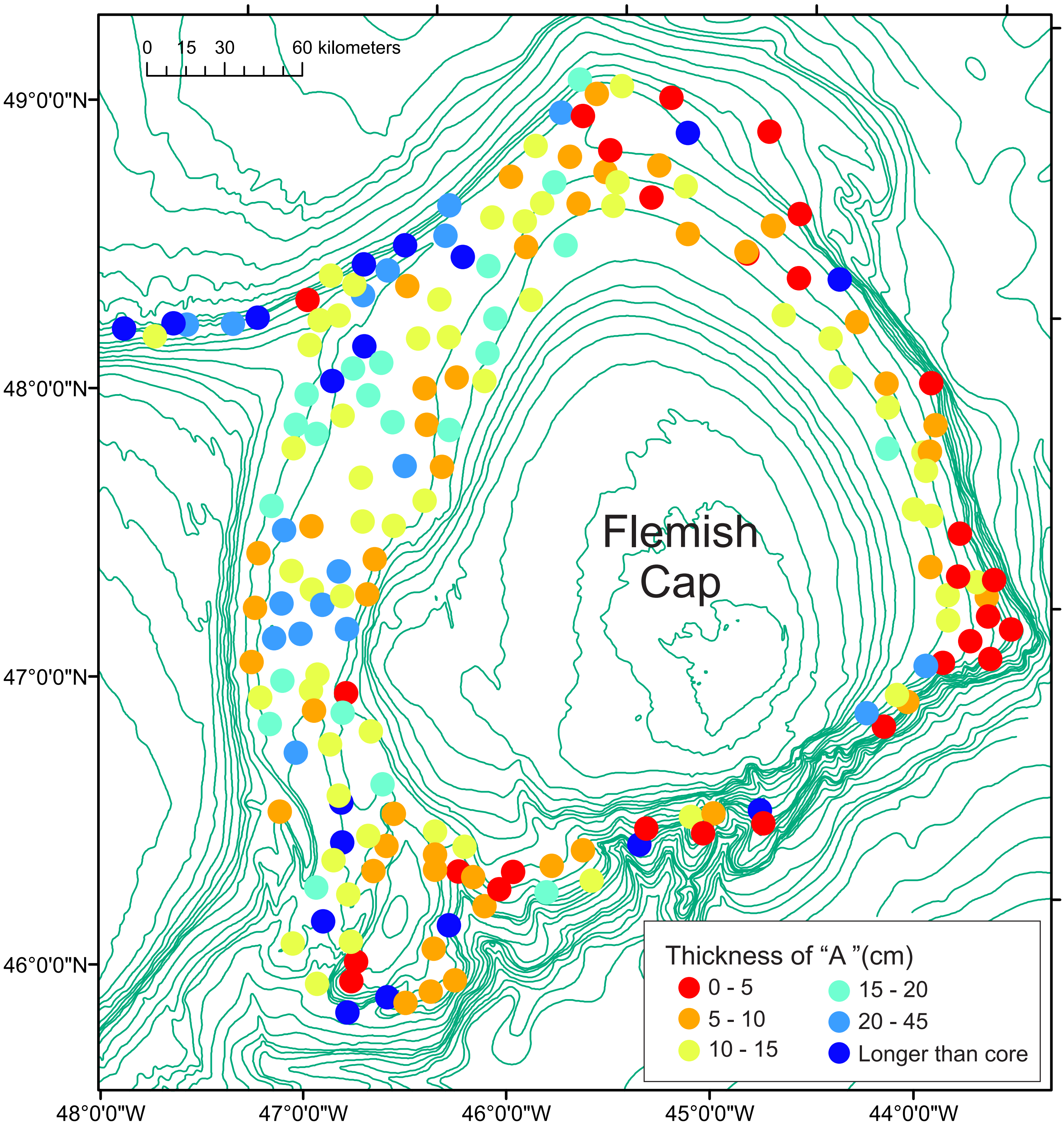


Fig. 31. Variation in thickness of Unit A.

Appendix 1

Detailed core logs

Nereida Legend

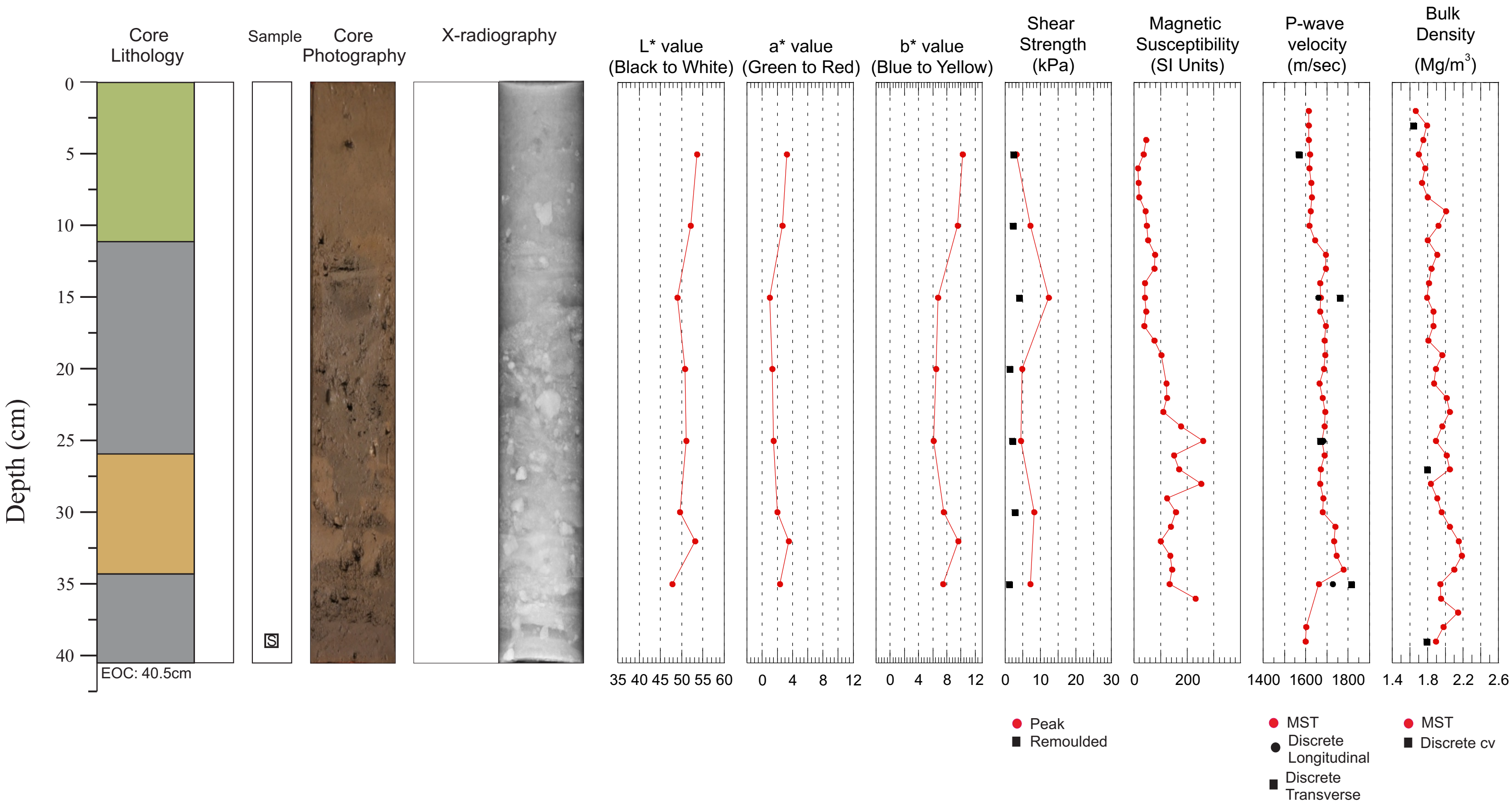
May include a pebble lag

- Med-crs sand, may contain granules, may be slightly muddy
- Med-crs very muddy sand, may contain granules
- Fine sand-silt, may be slightly muddy
- Muddy silt or fine sand

- Olive grey-olive brown mud contains abundant forams and/or spicules, may contain IRD
- Olive grey-olive brown silty or sandy mud, may contain IRD
- **S** Sponge samples
- **C** C-14 samples

- Olive grey mud, may contain minor fine sand and/or sparse granules
- Light grey mud, abundant granules (Heinrich layer)
- Red-brown mud
- Dark grey-grey/brown mud with sandy patches,may contain IRD
- Dark grey-grey/brown mud, may be sandy or interbedded, may have few to no granules
- Dark grey-grey/brown mud, sparse to no granules
- Light and/or yellowish brown/grey mud, may be sandy, may have few granules

2009061 0004A Push Core



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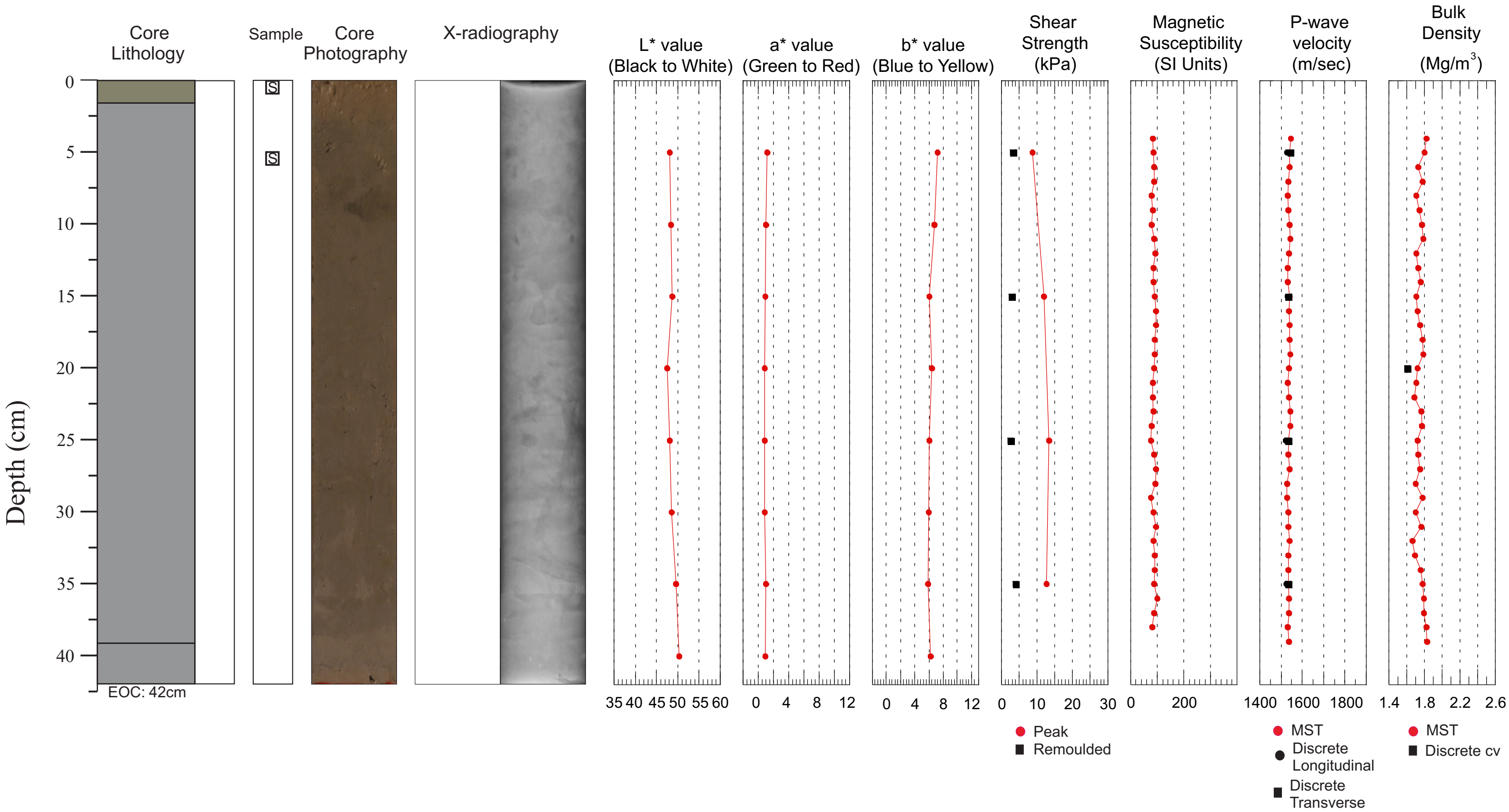

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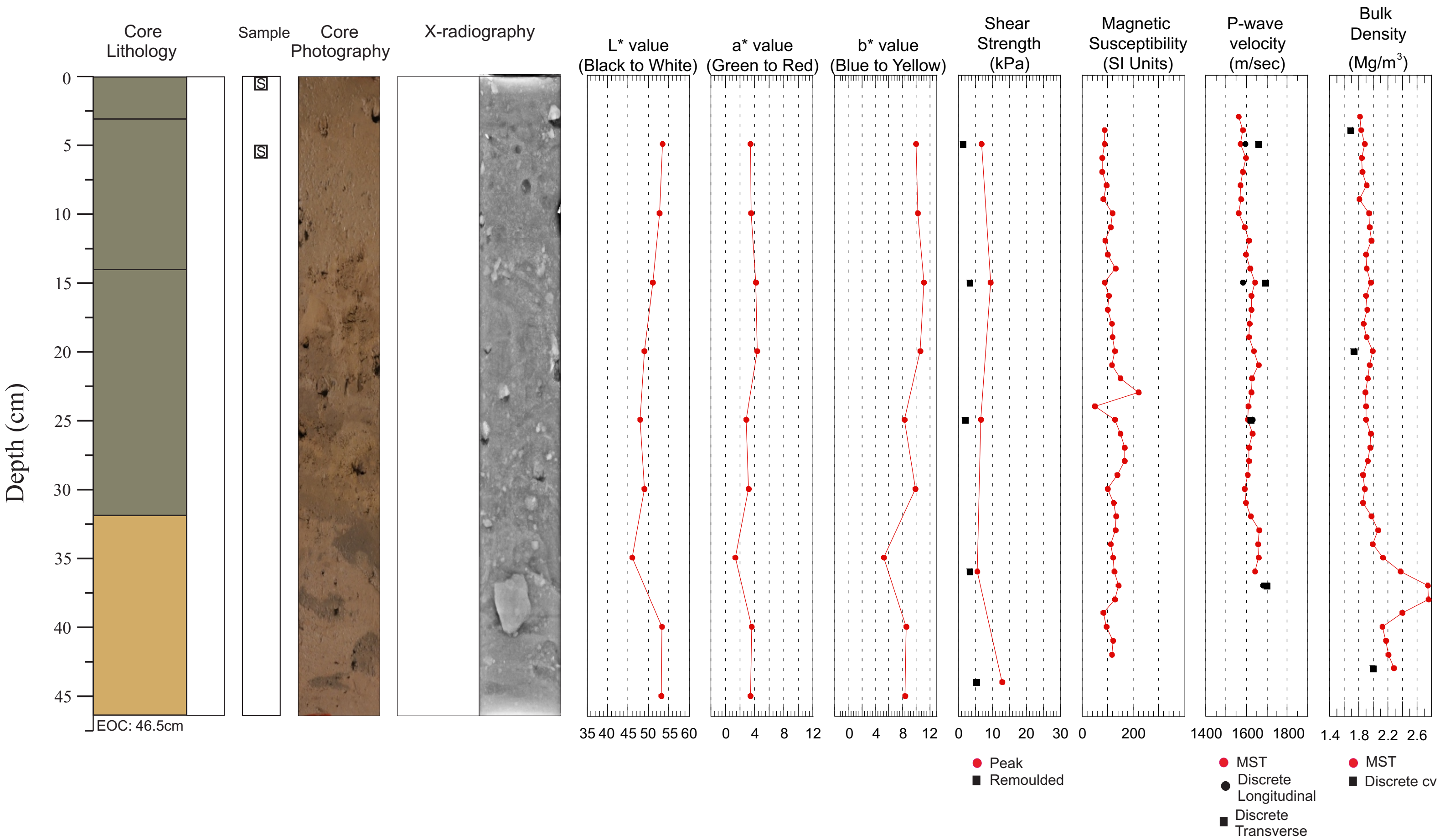

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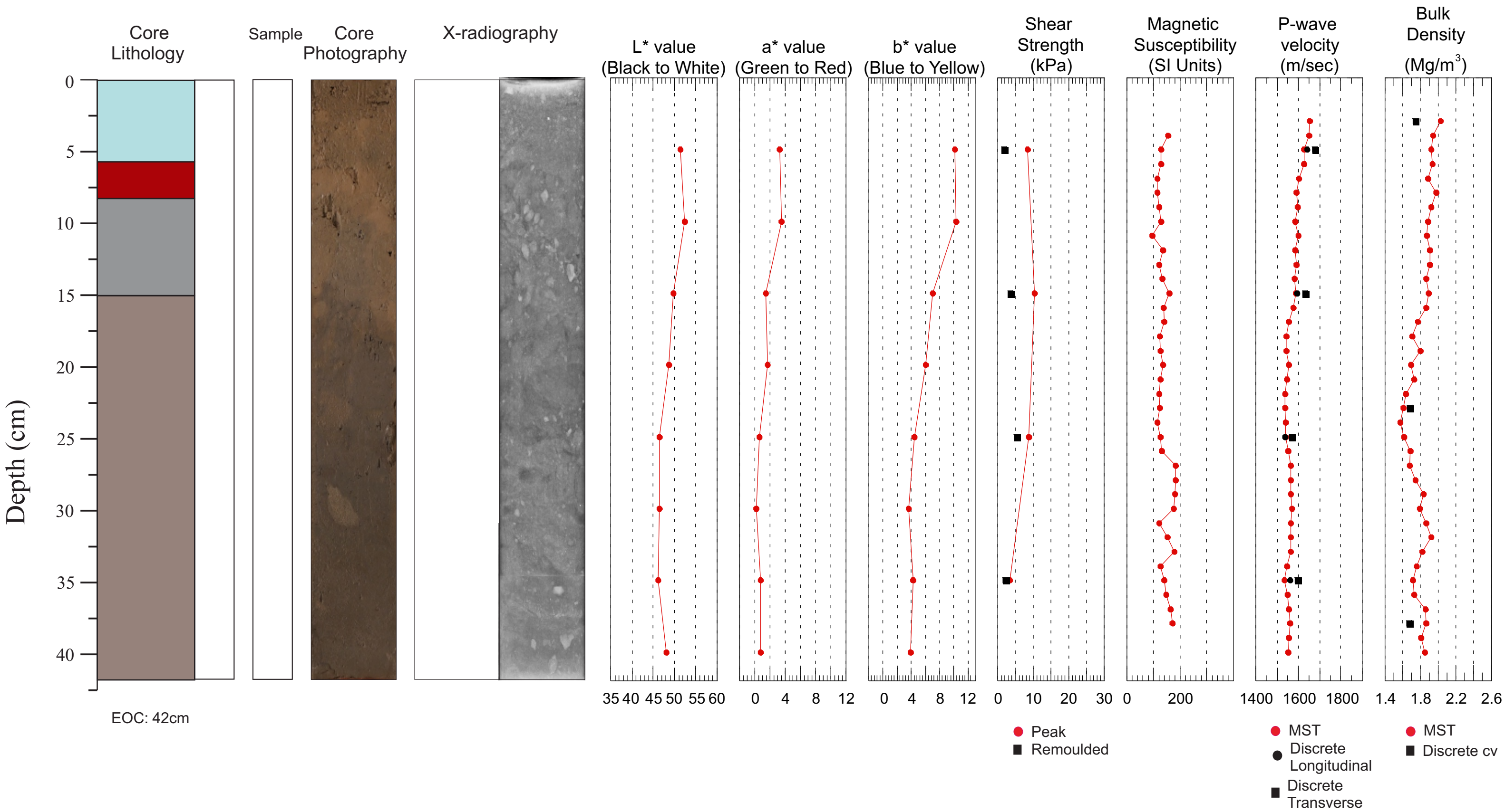

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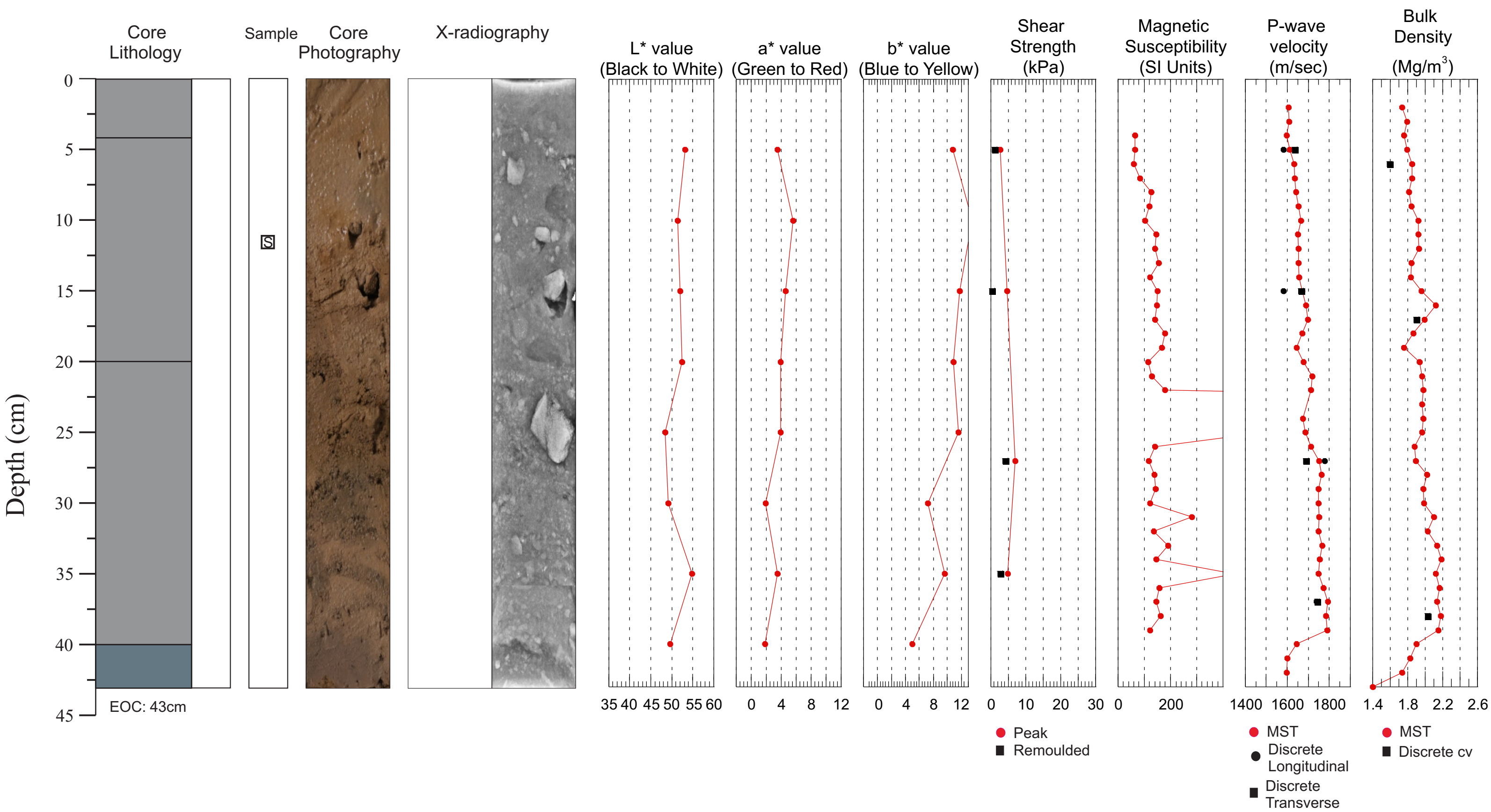

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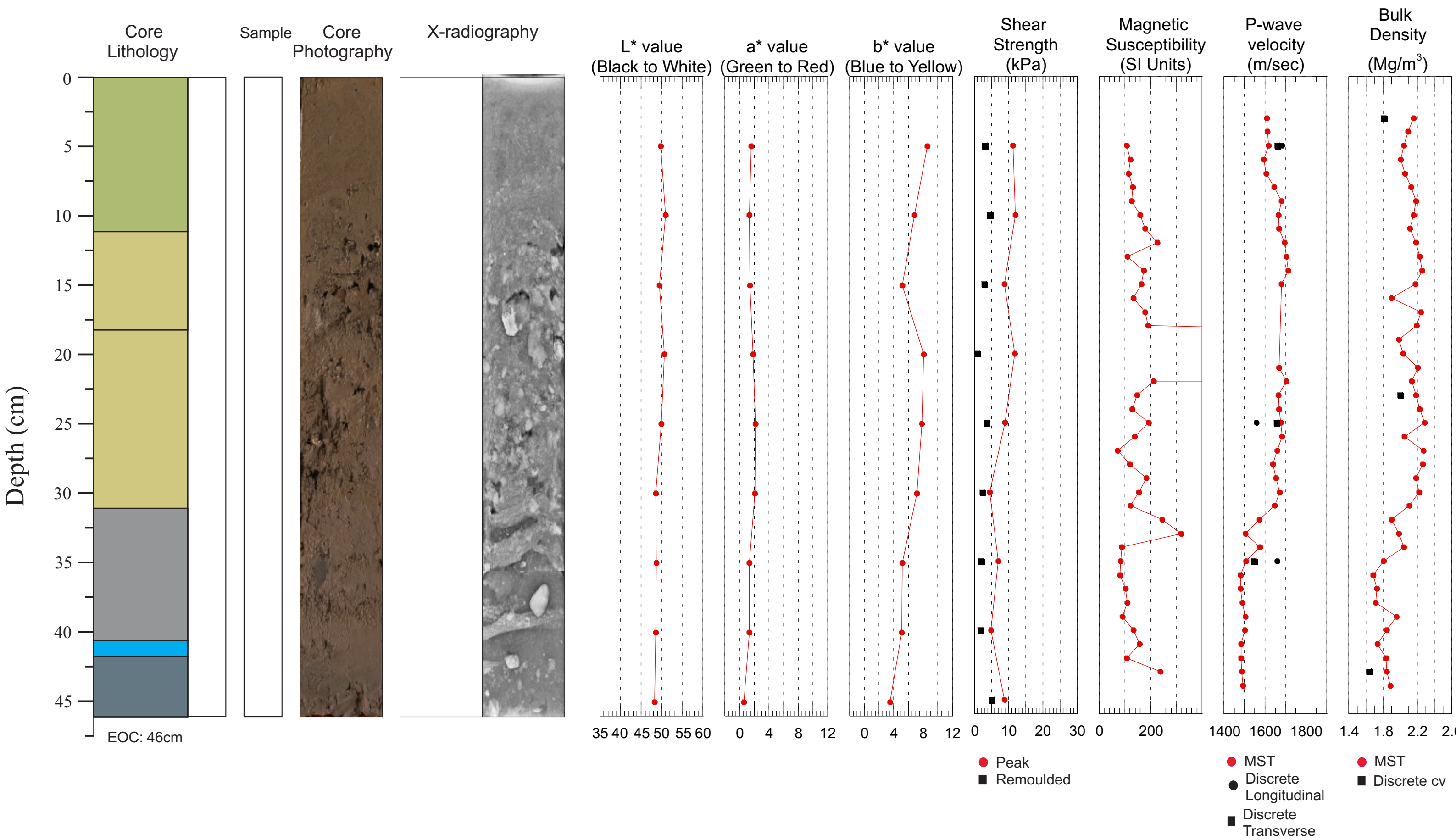

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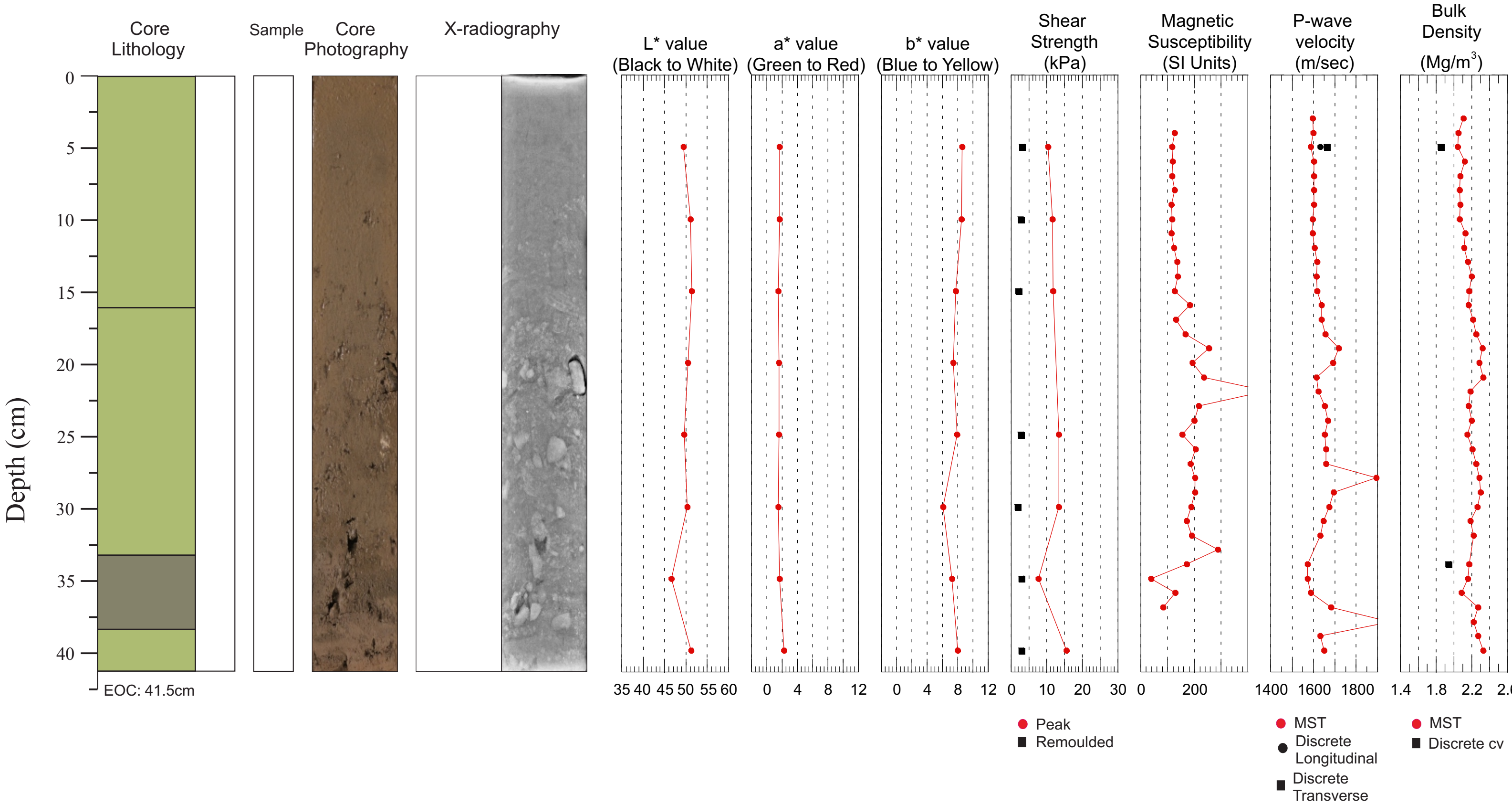

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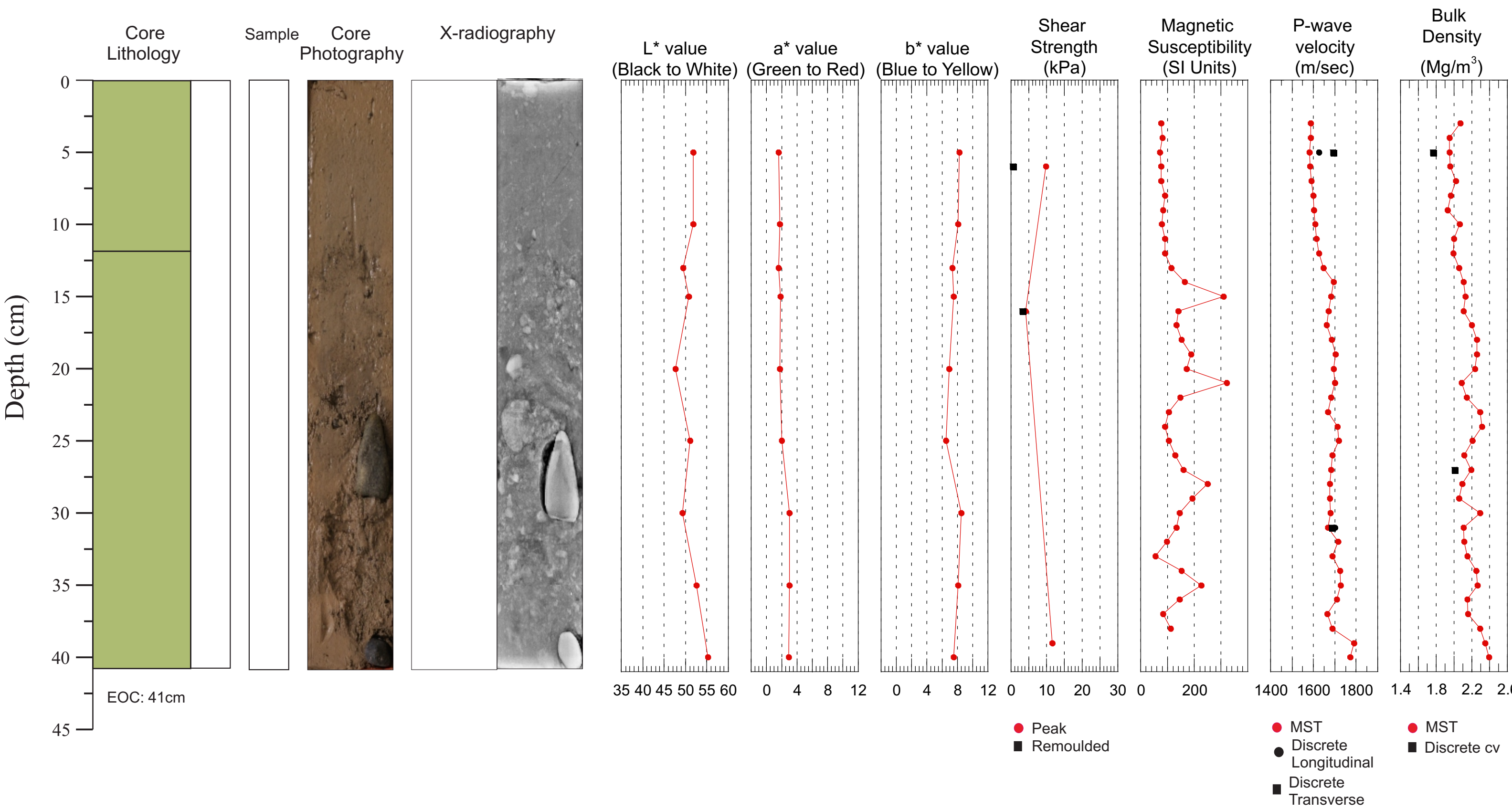

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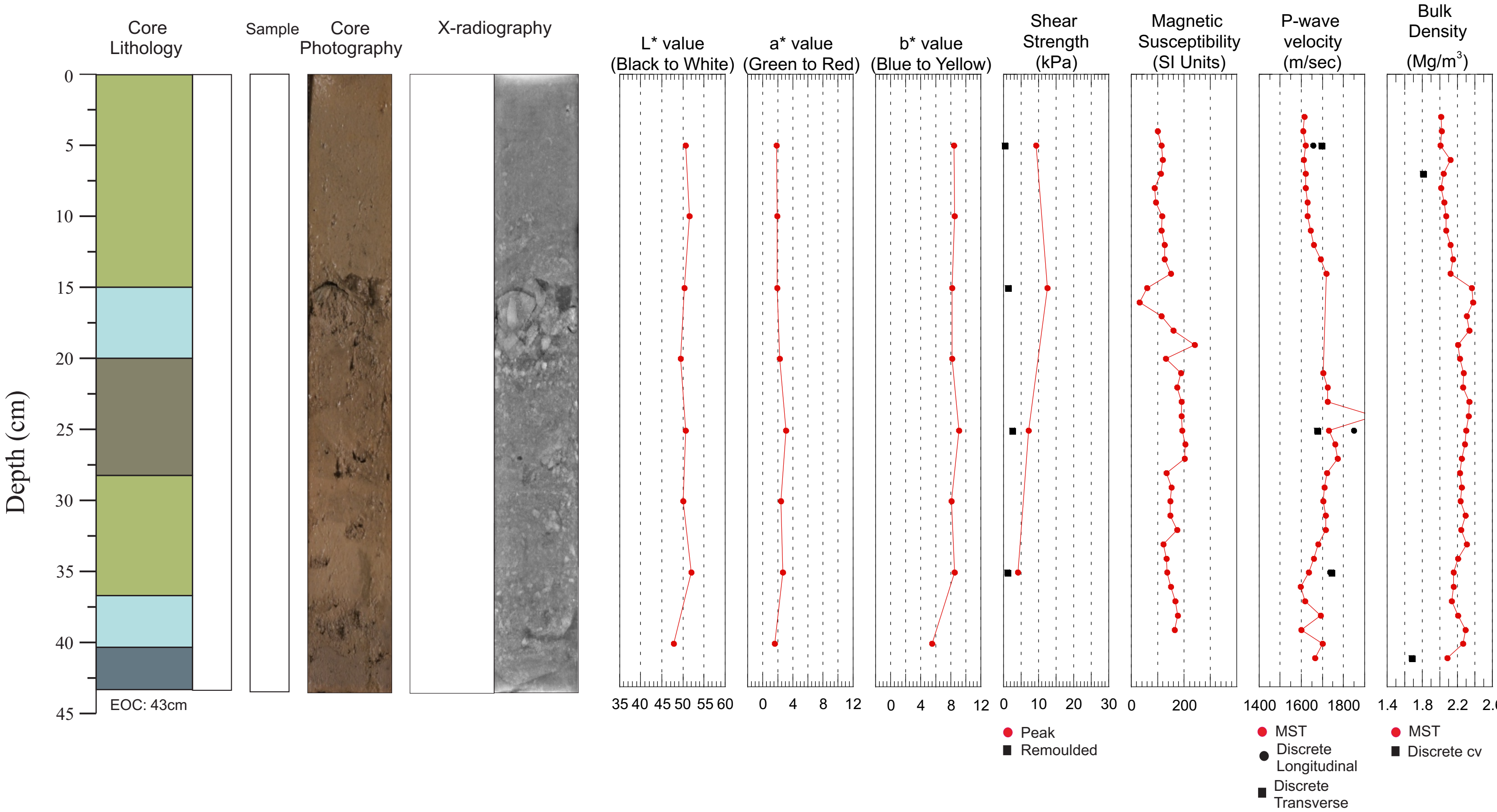

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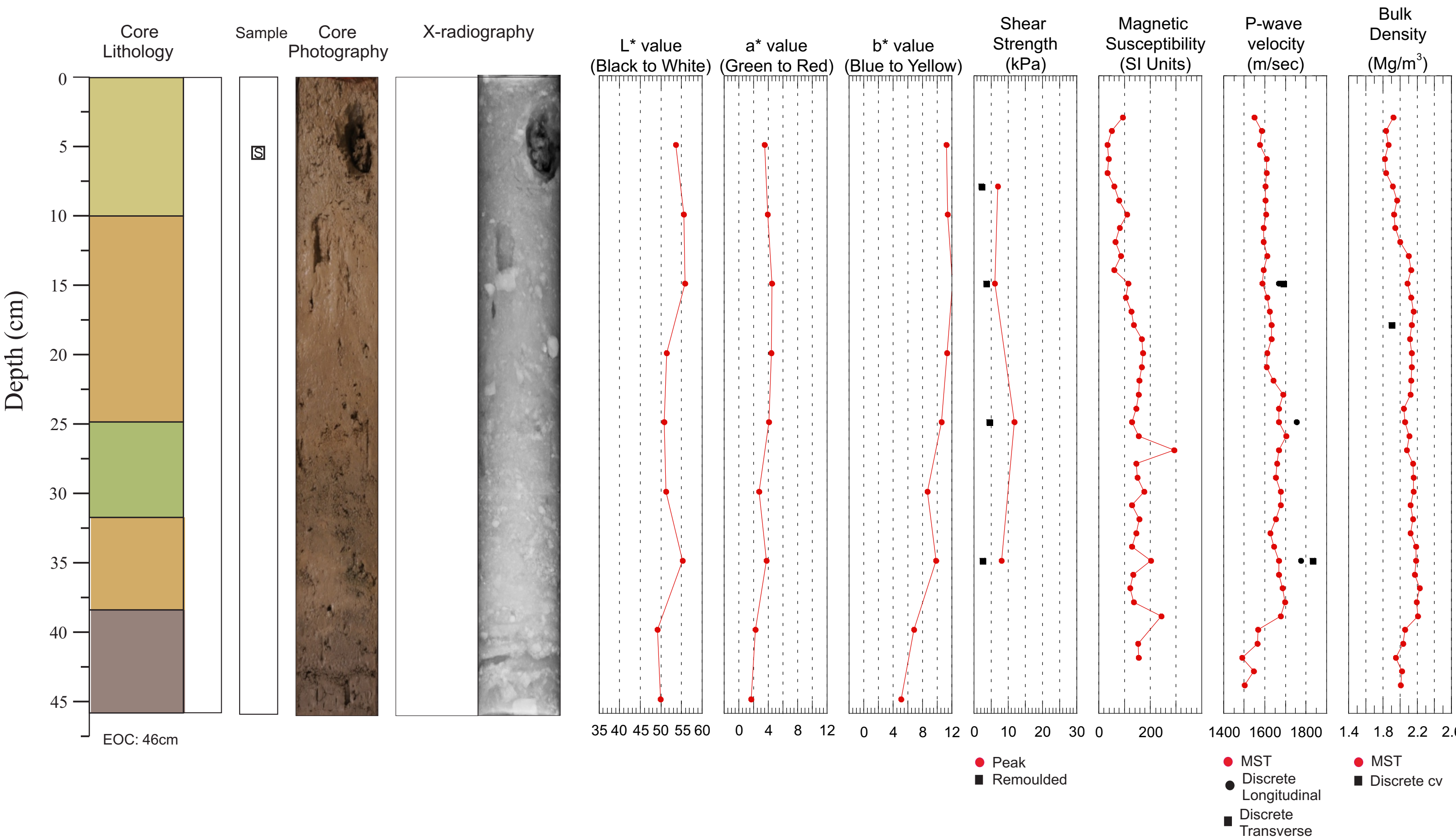

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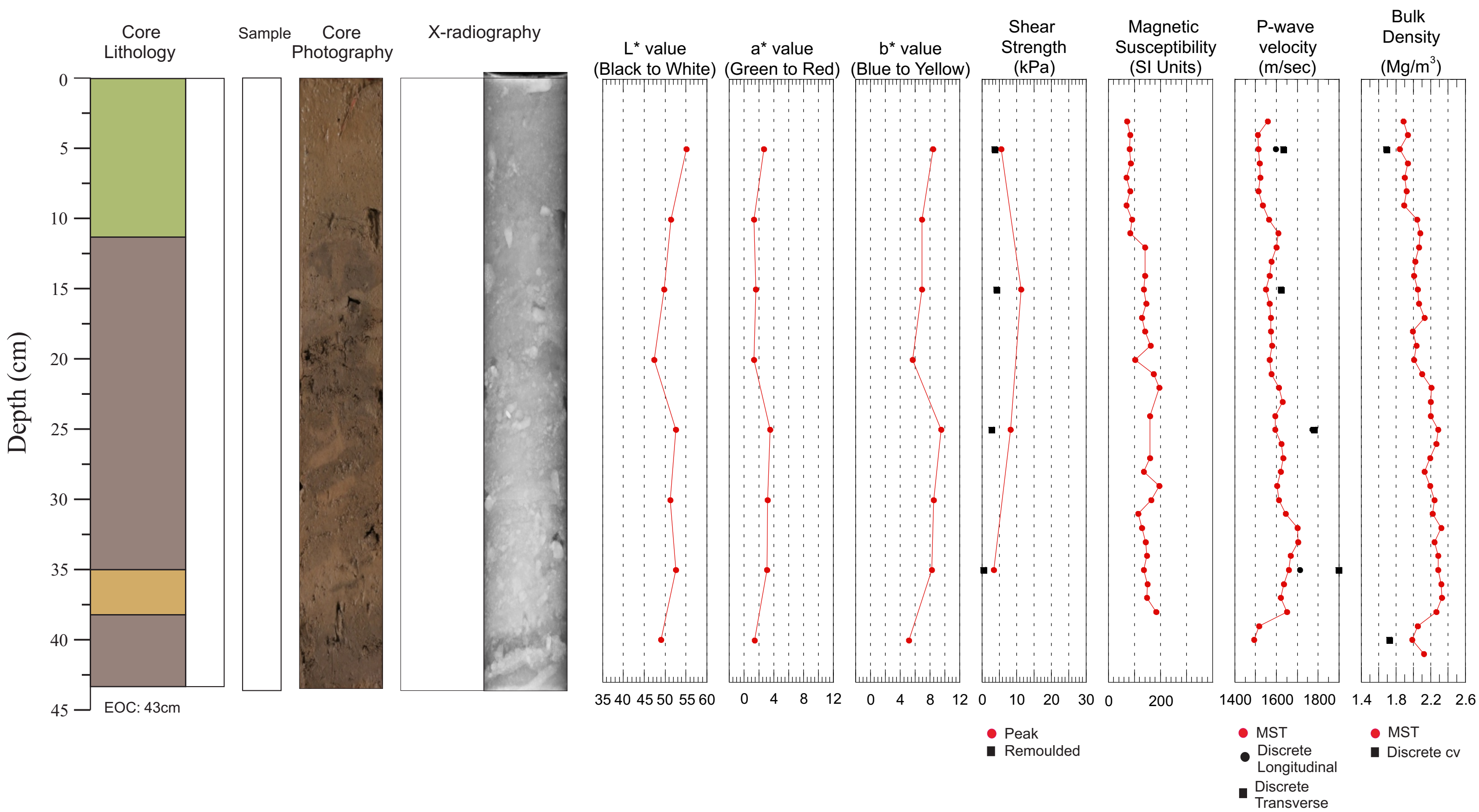

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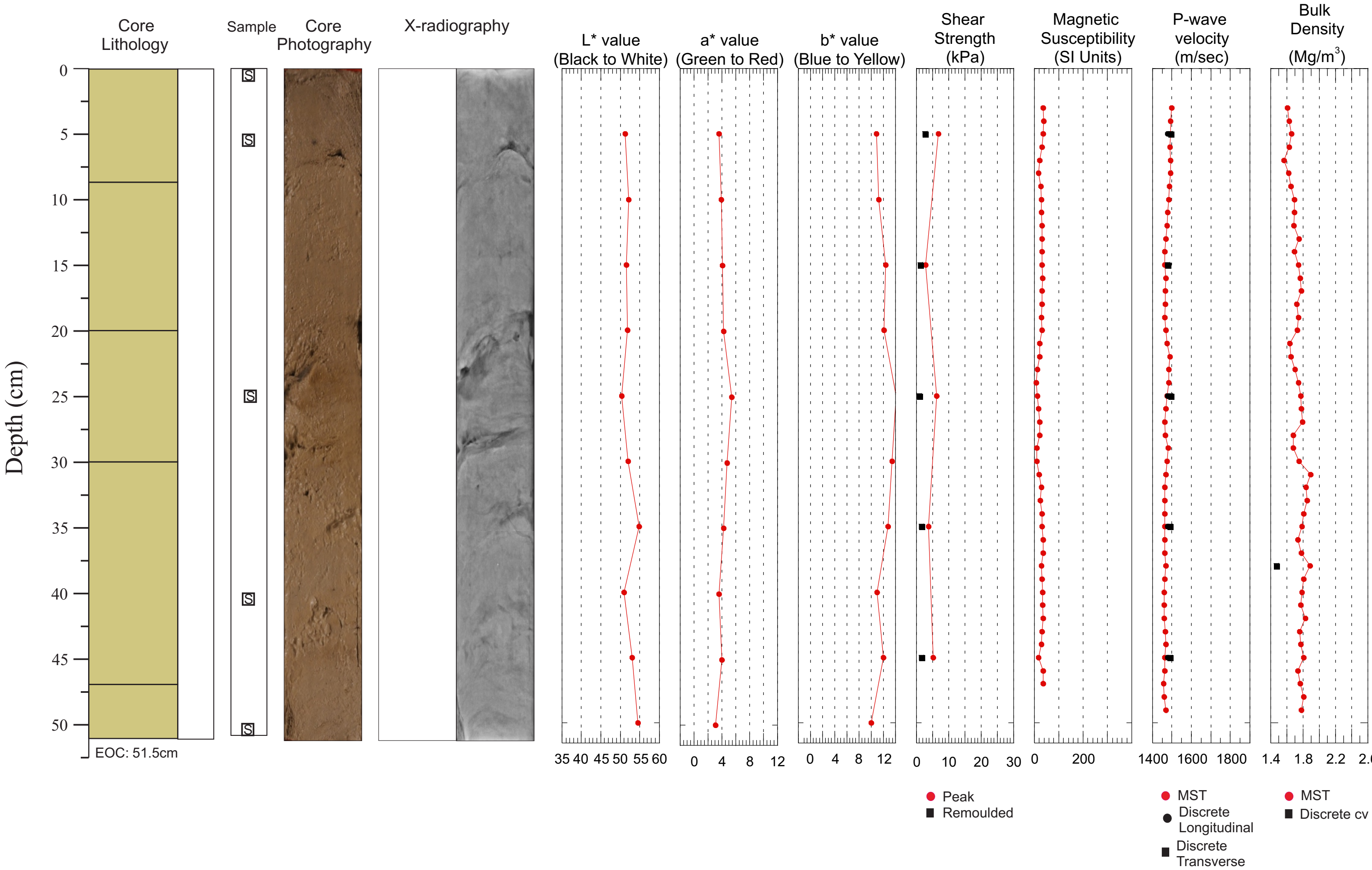

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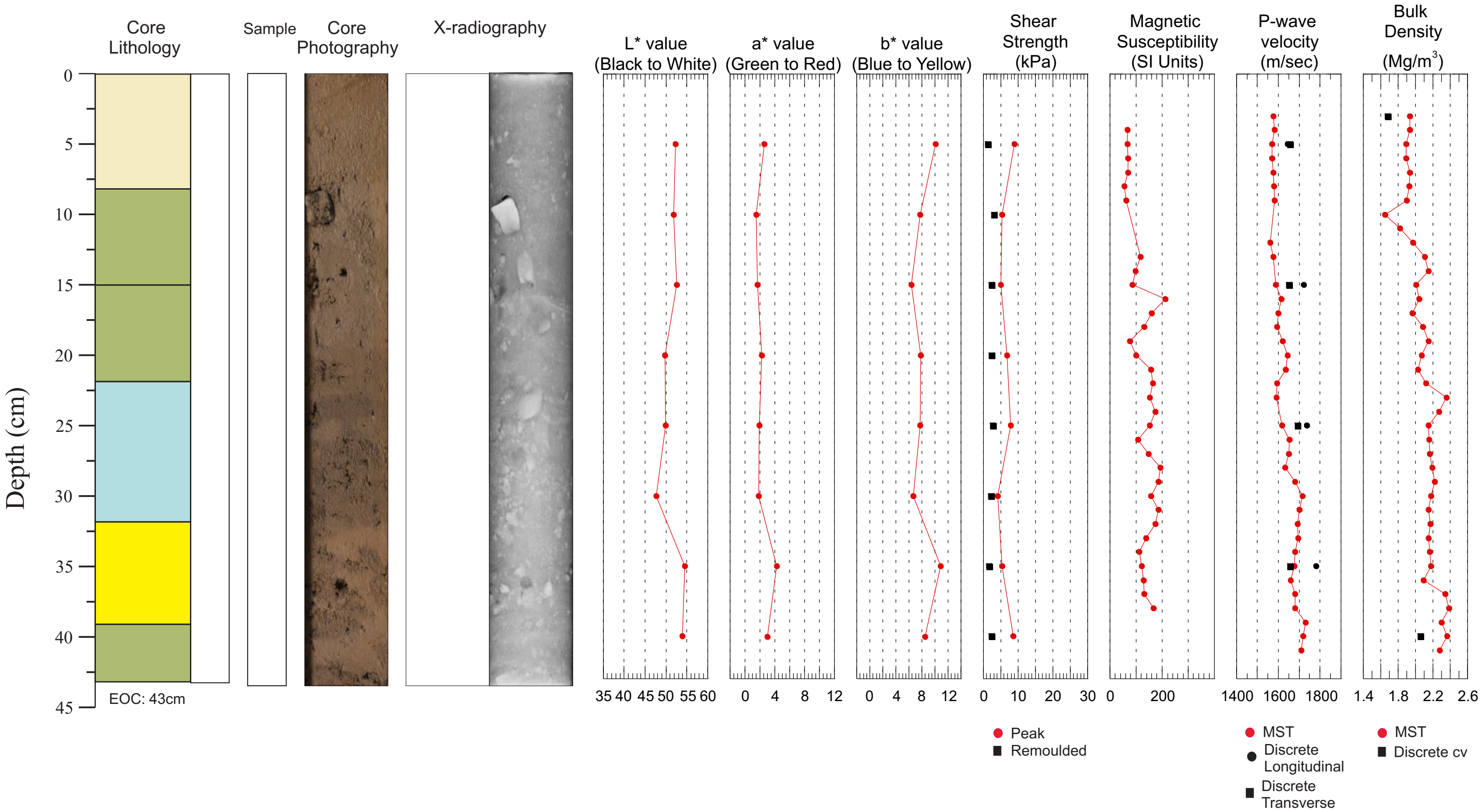

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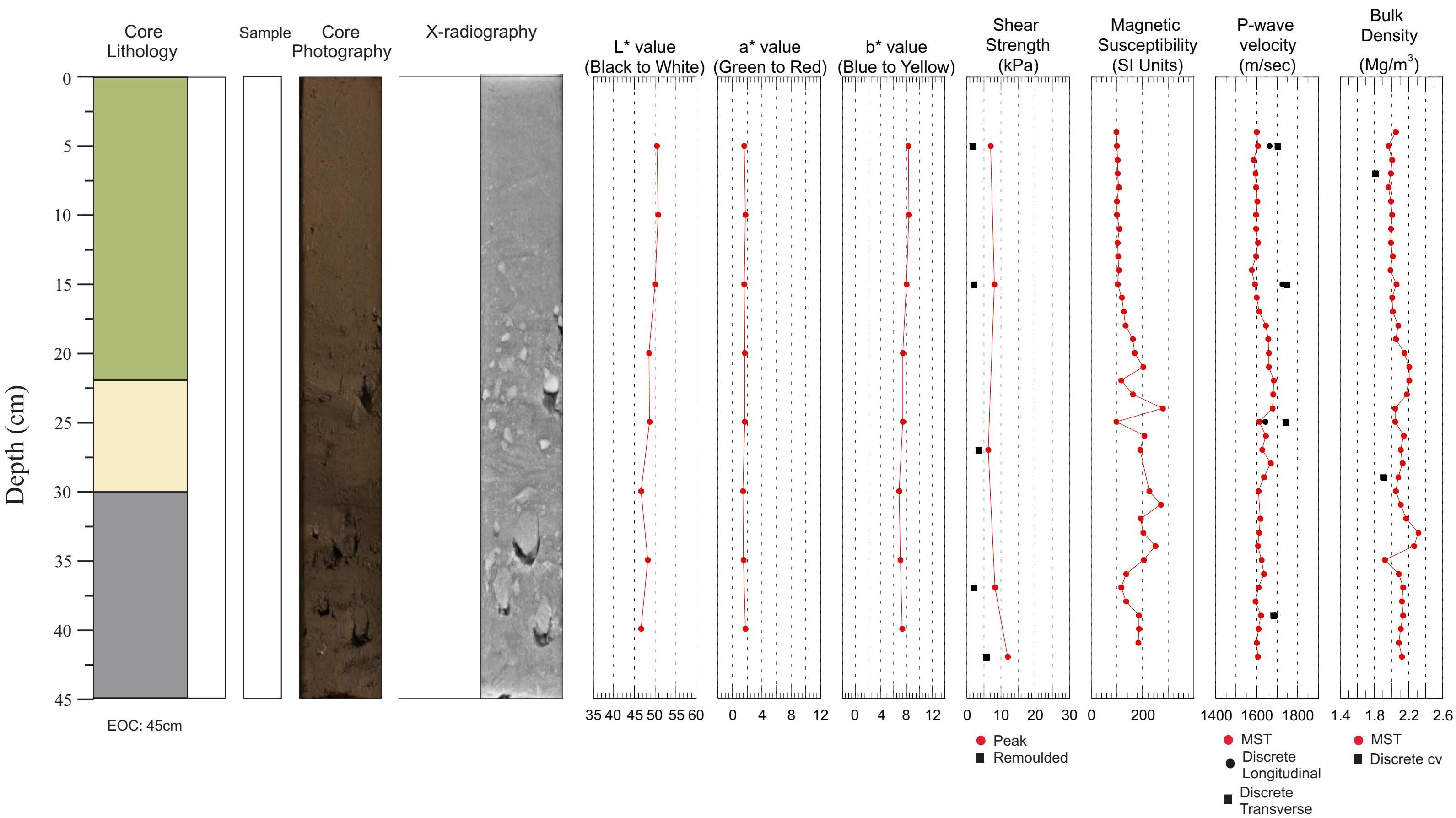

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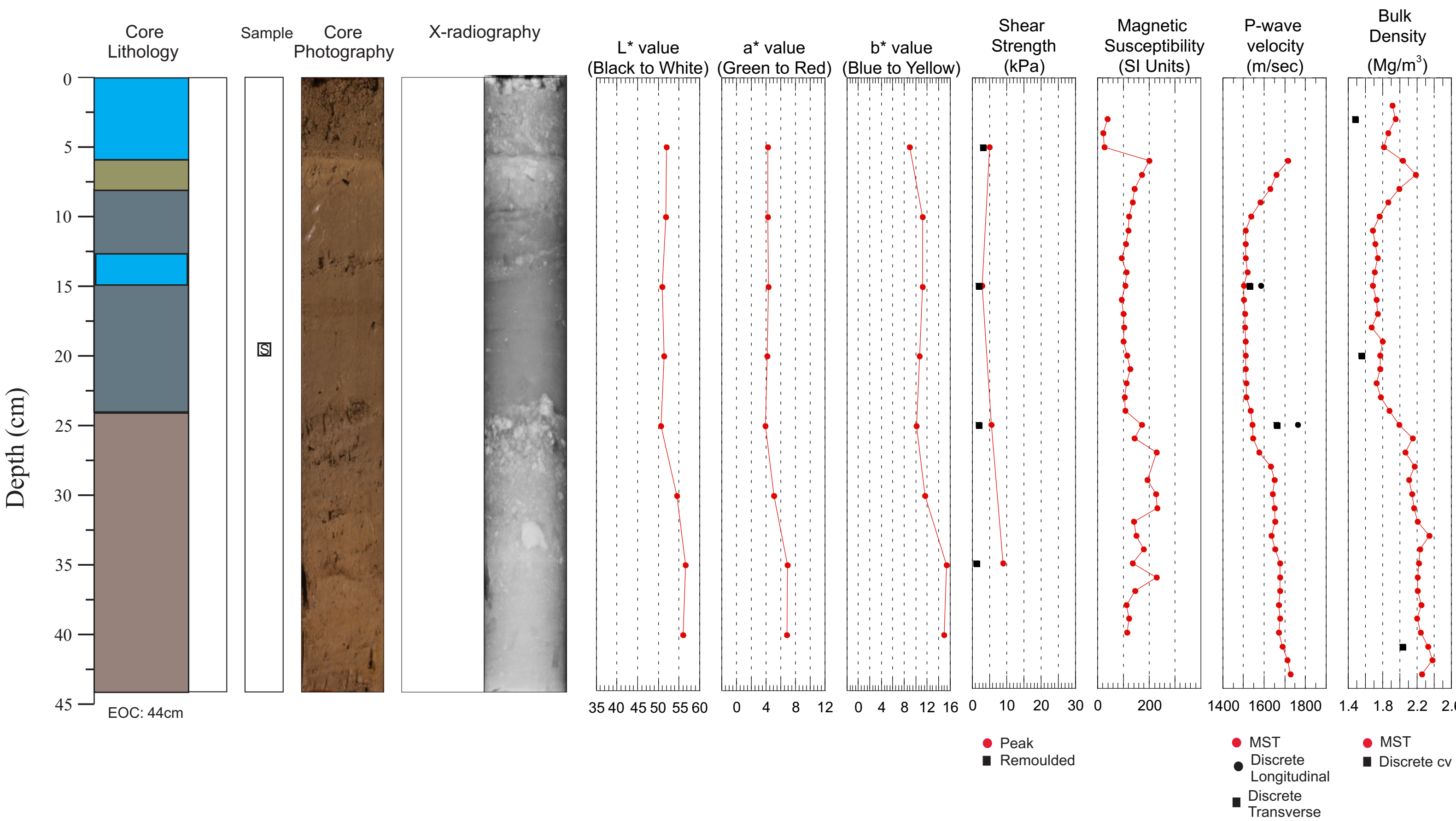

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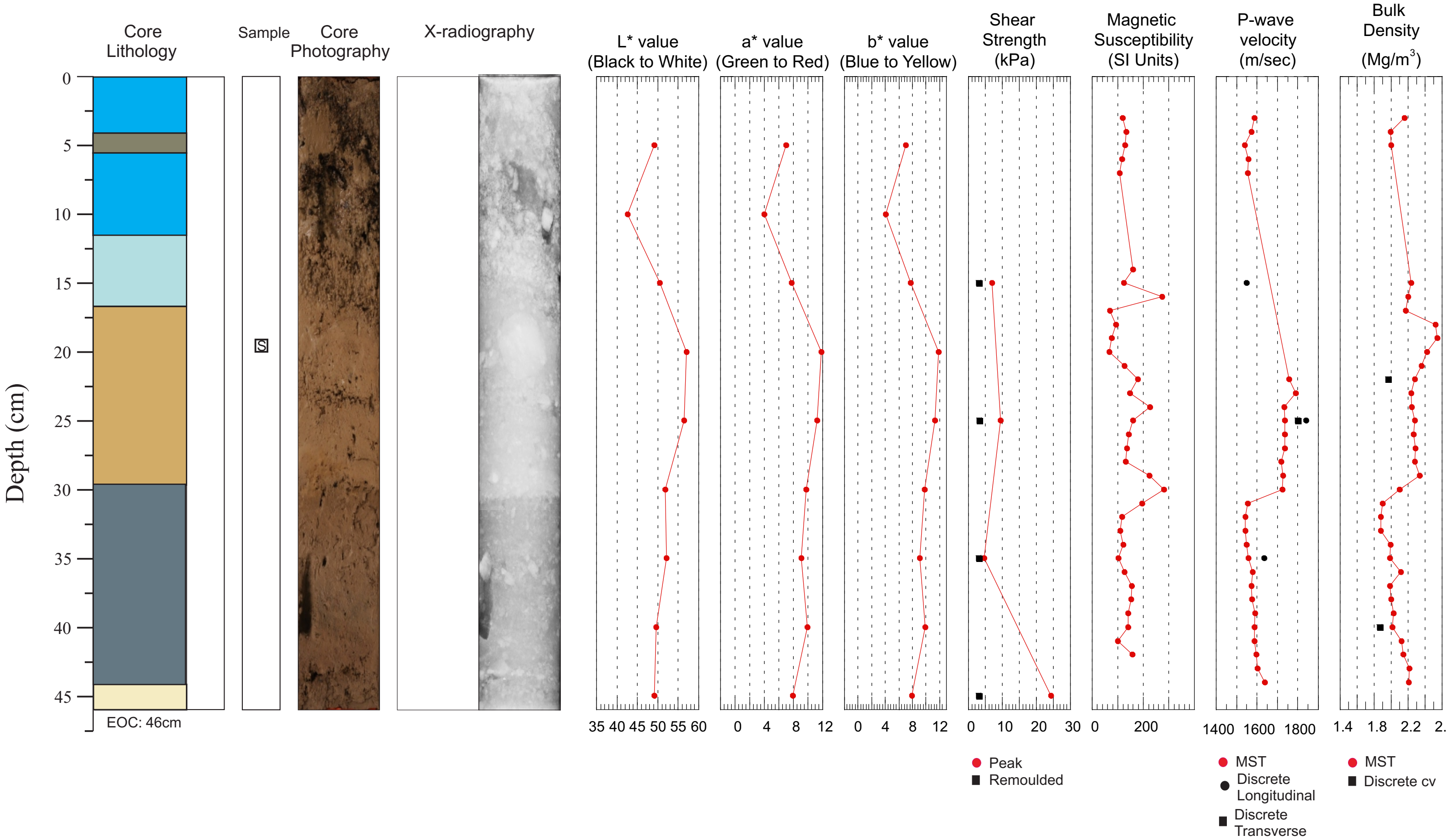

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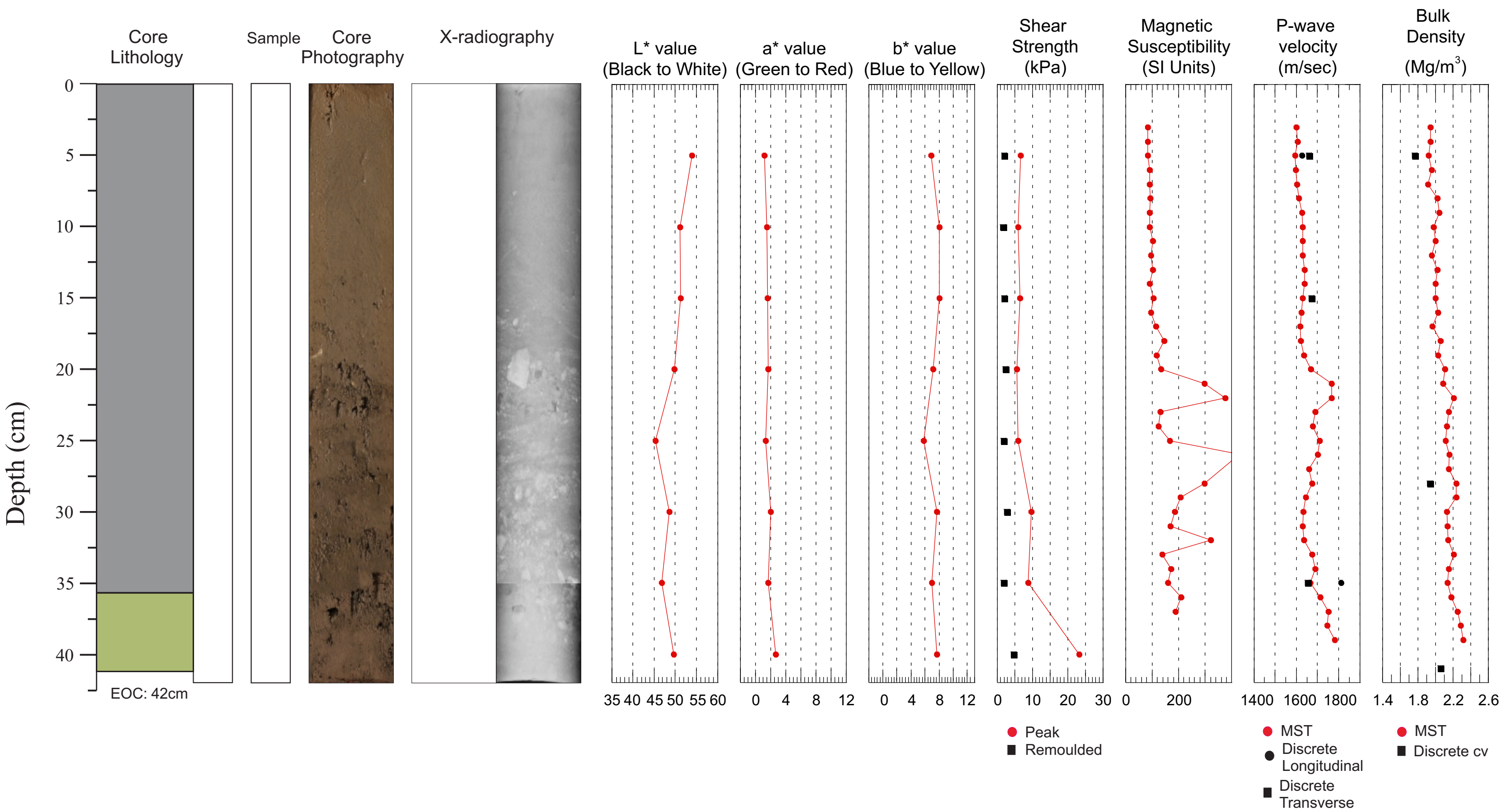

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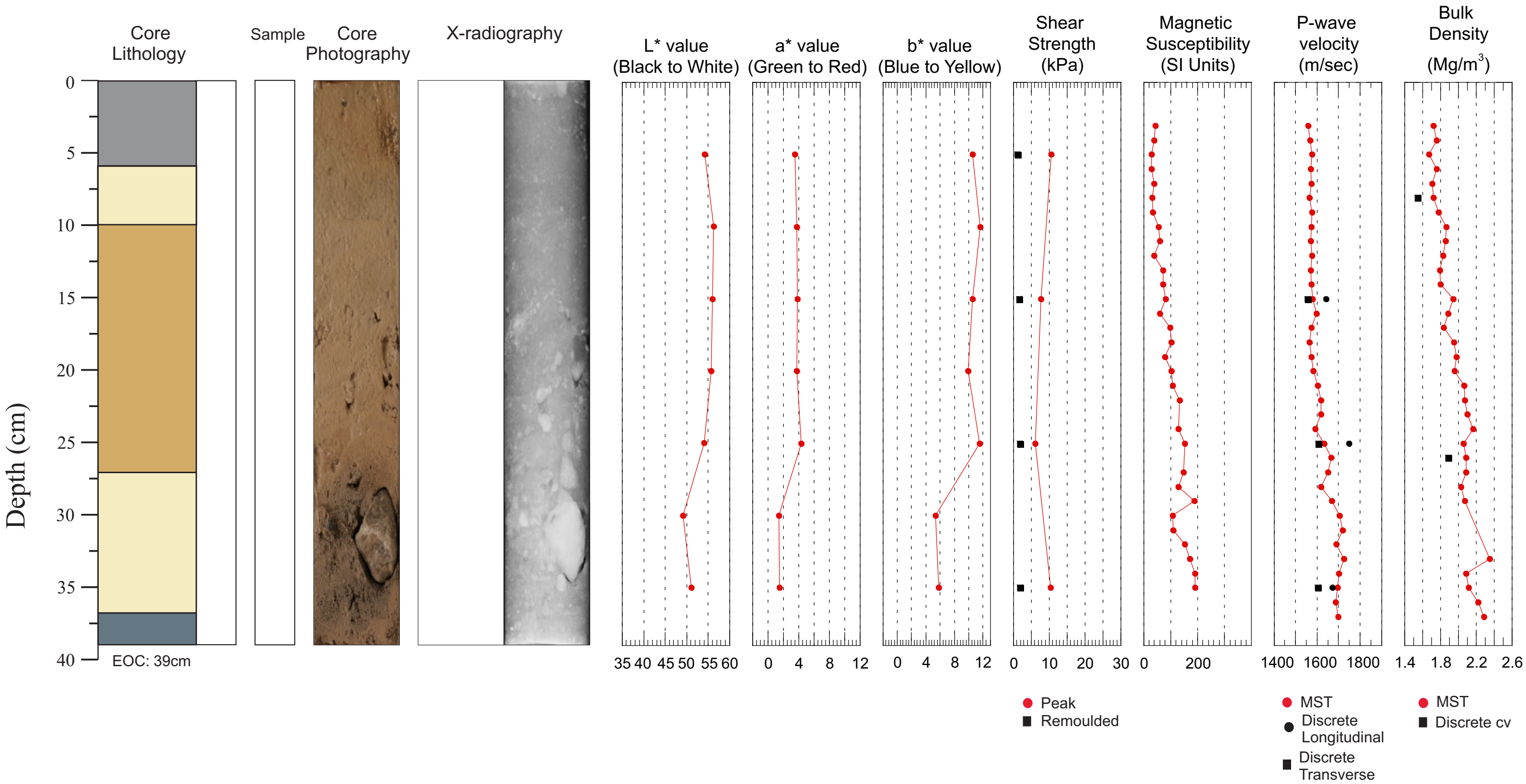

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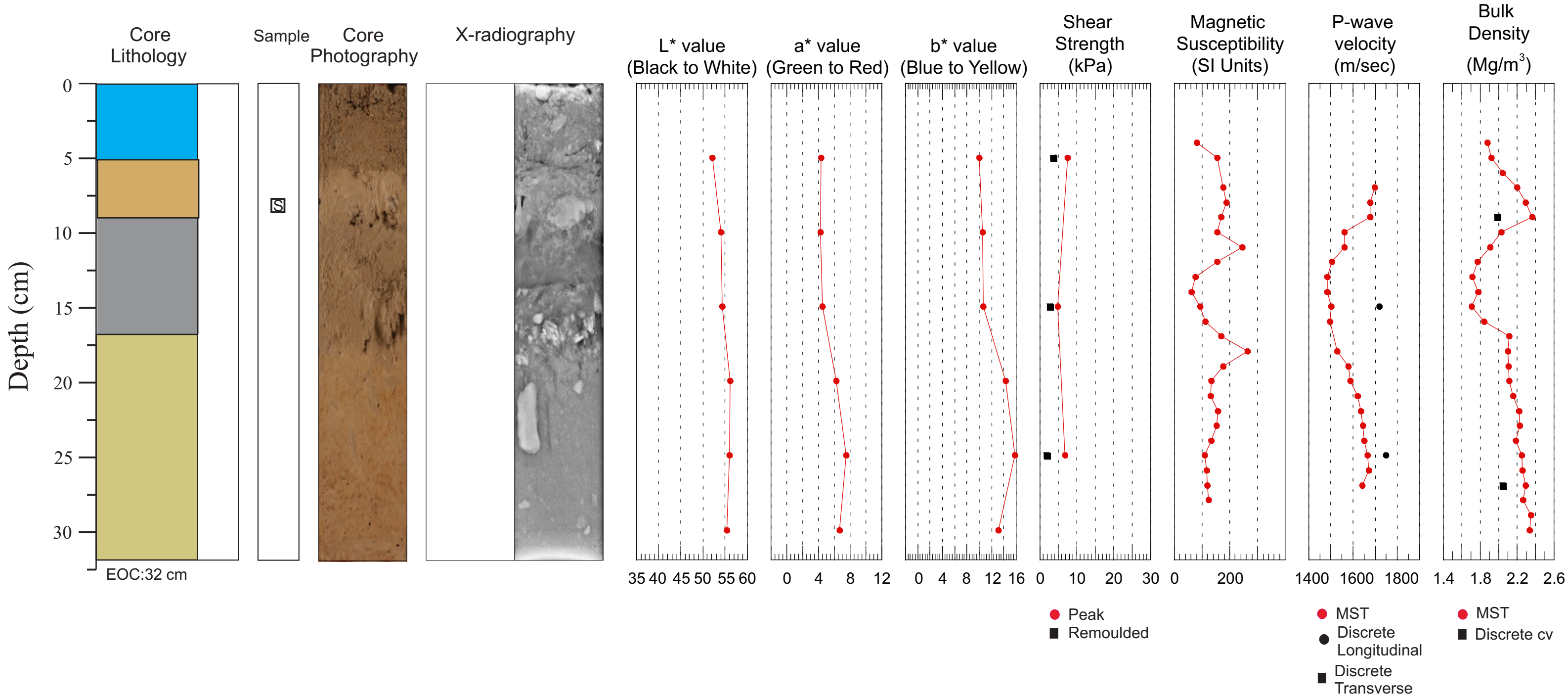

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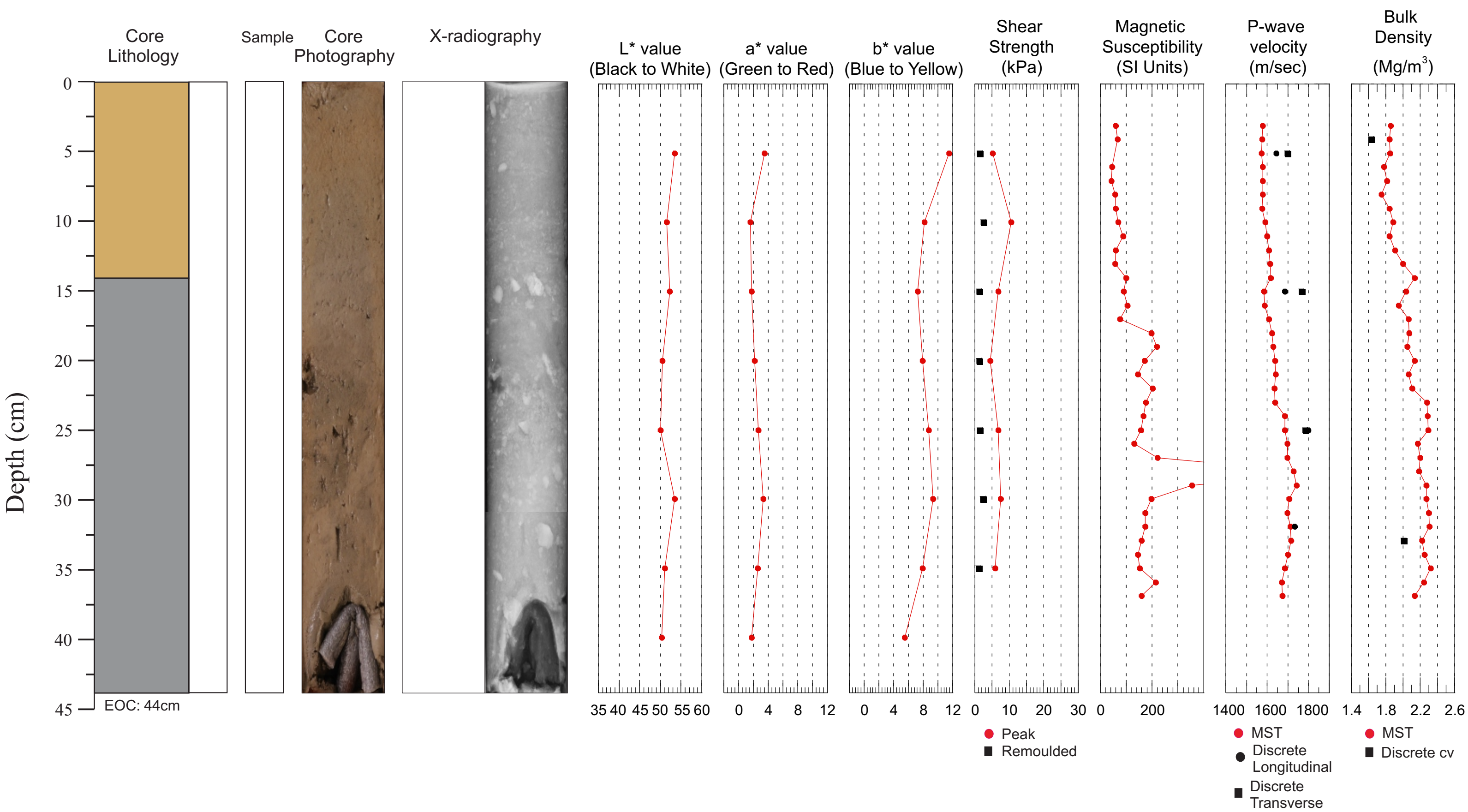

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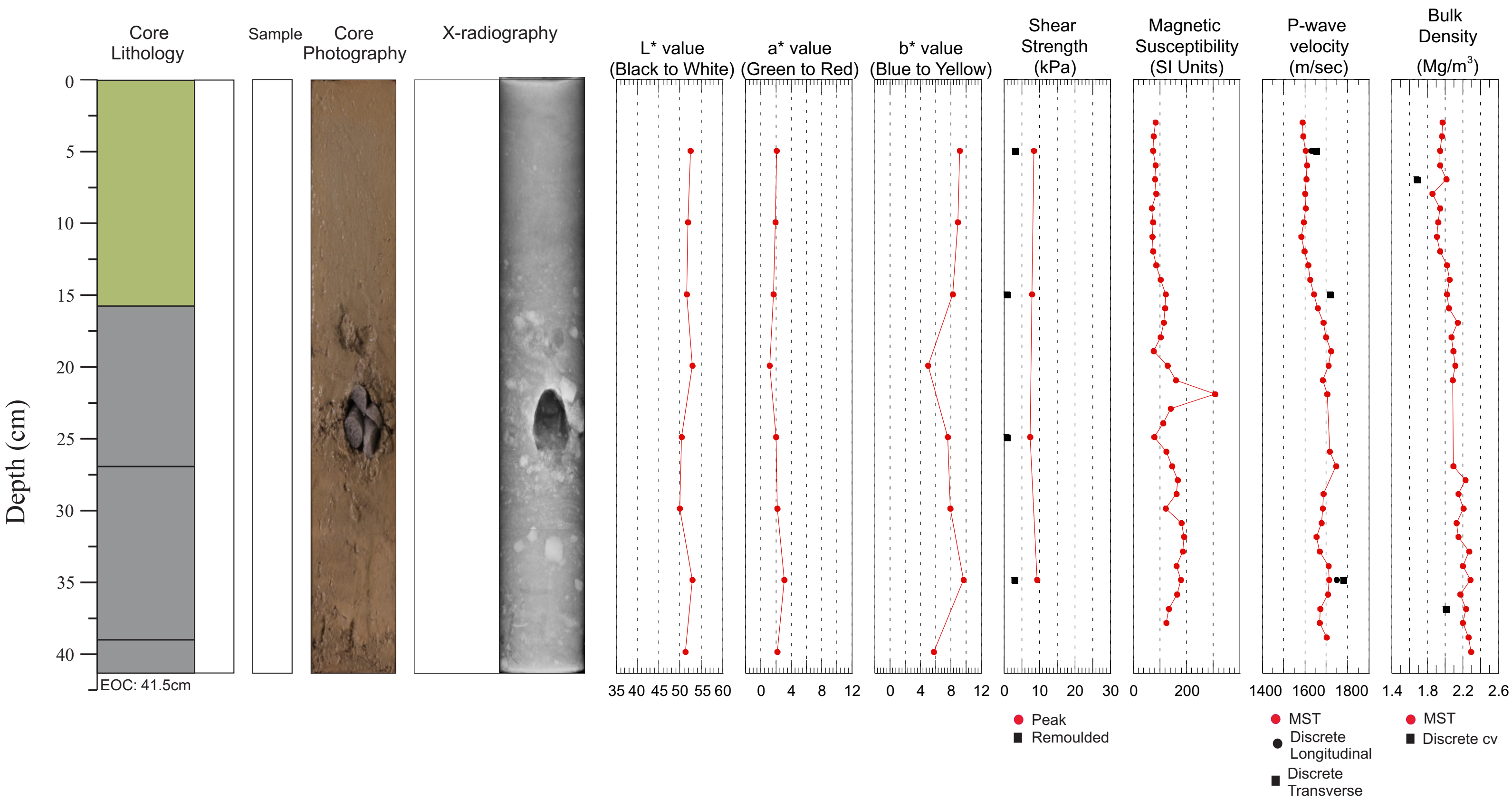

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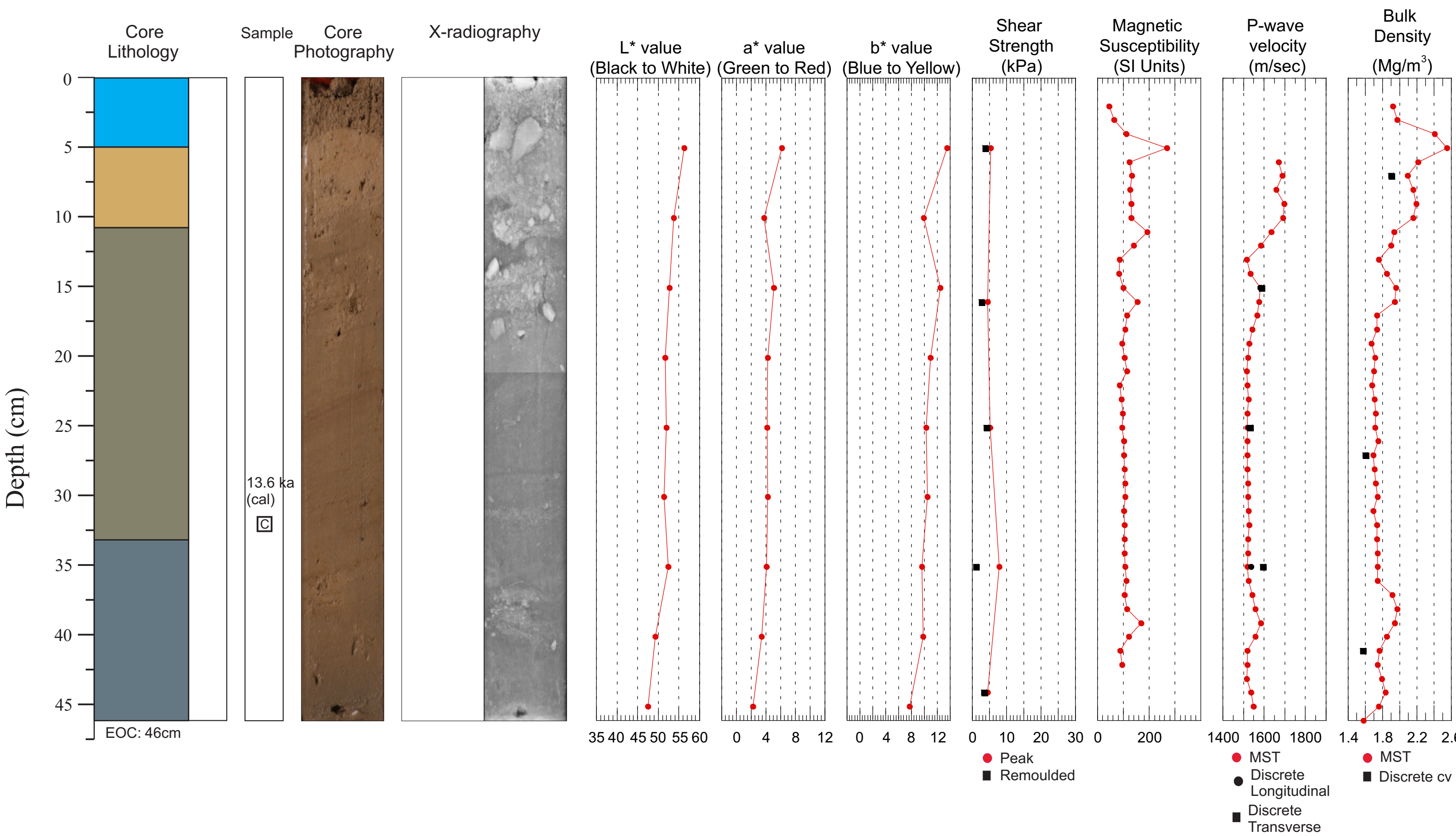

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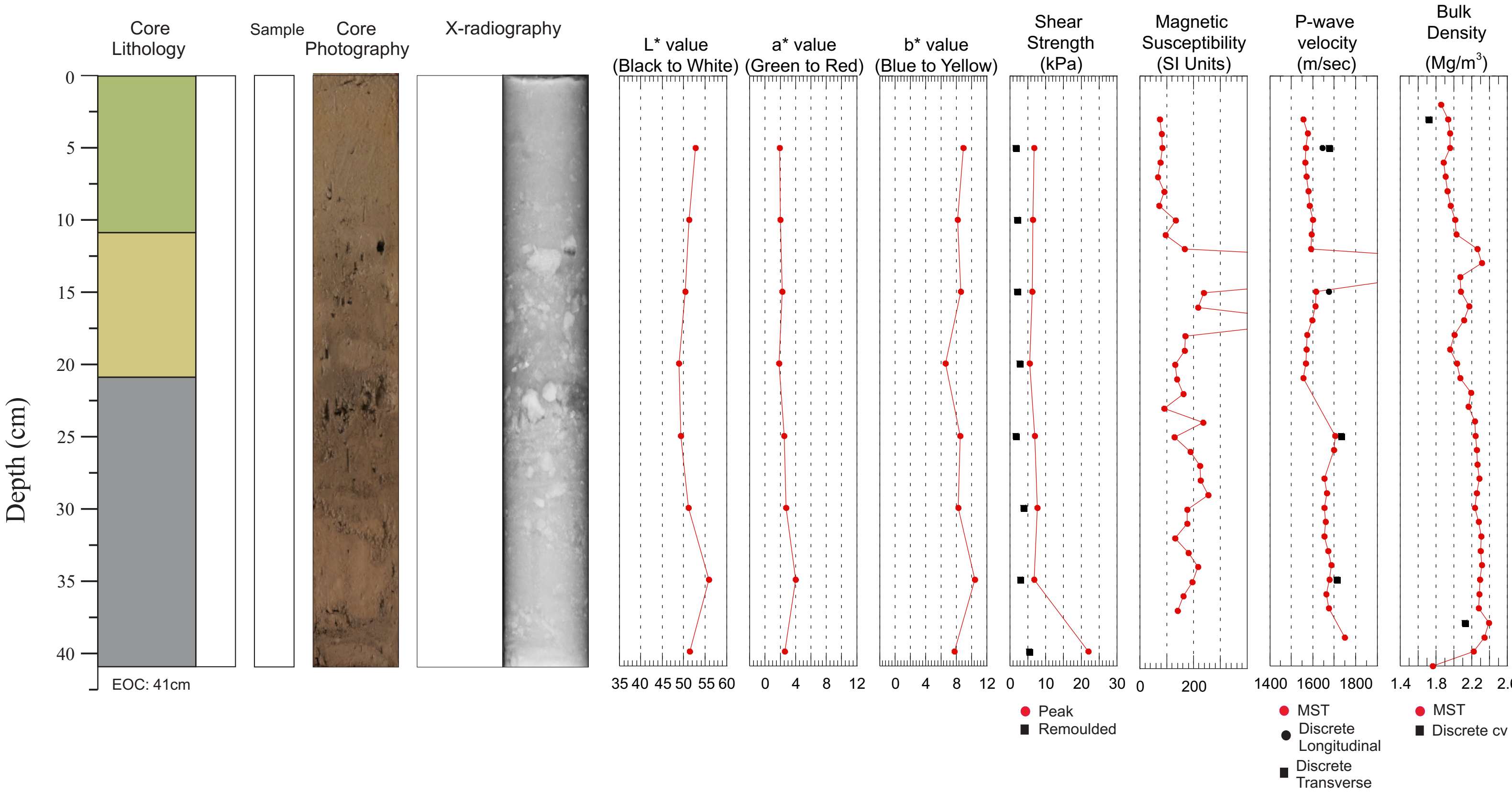

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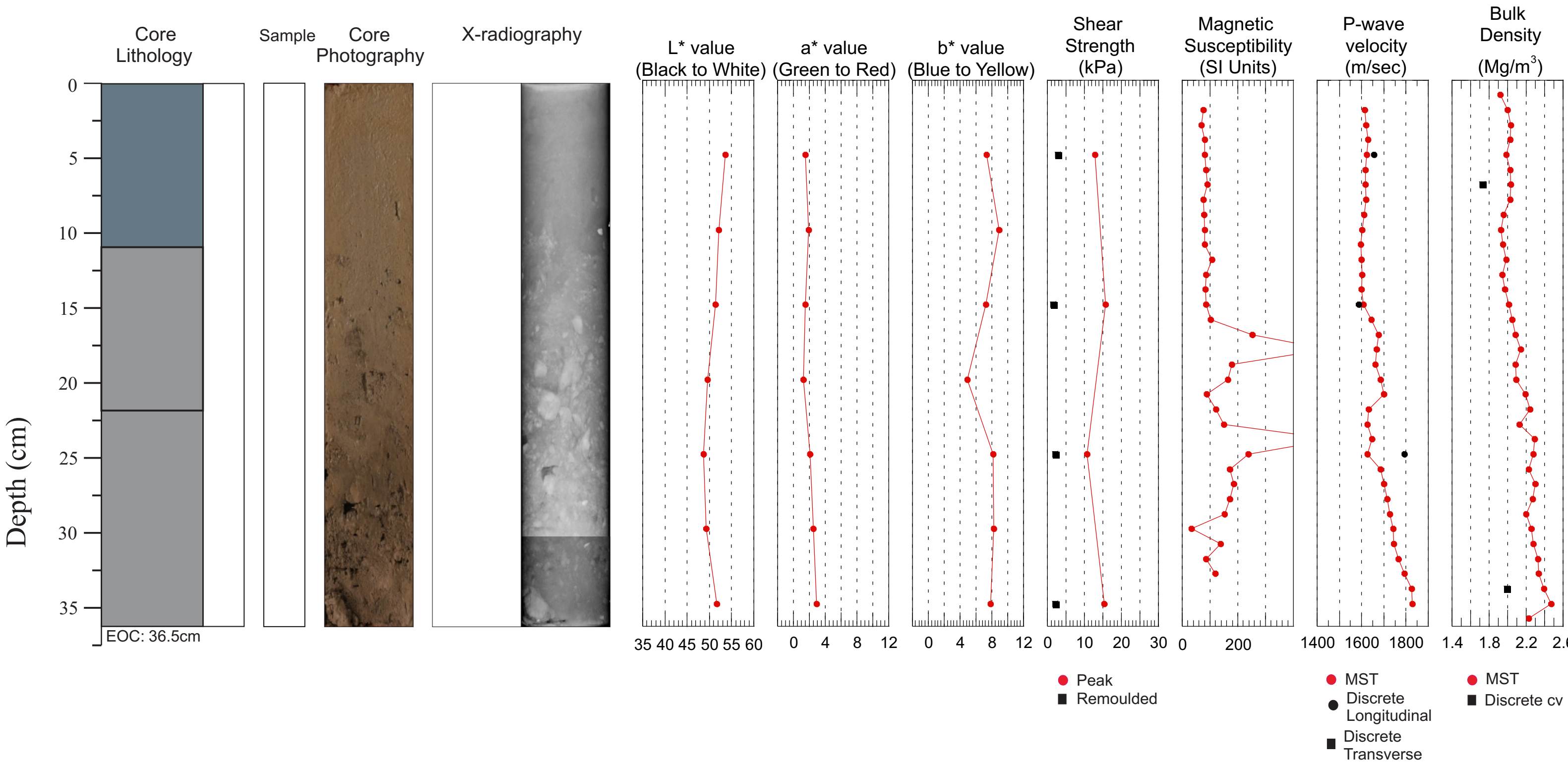

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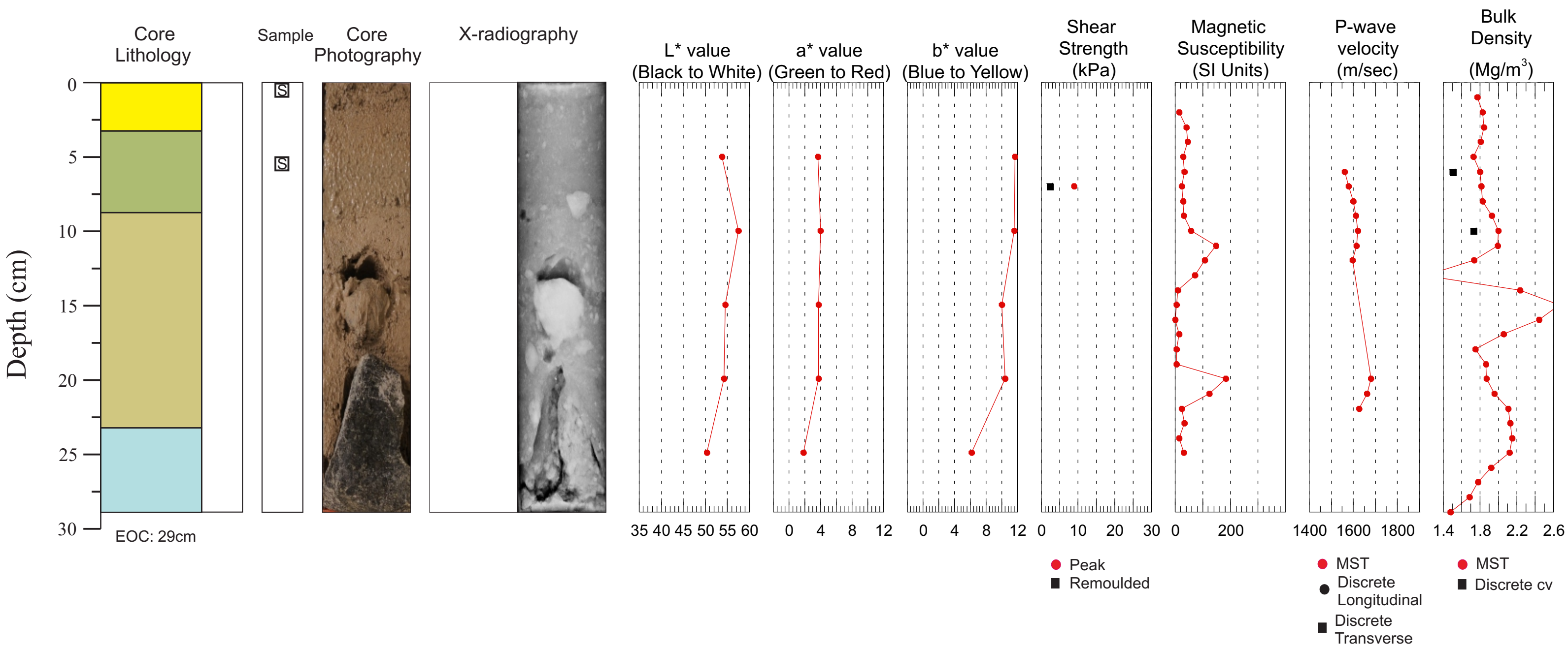

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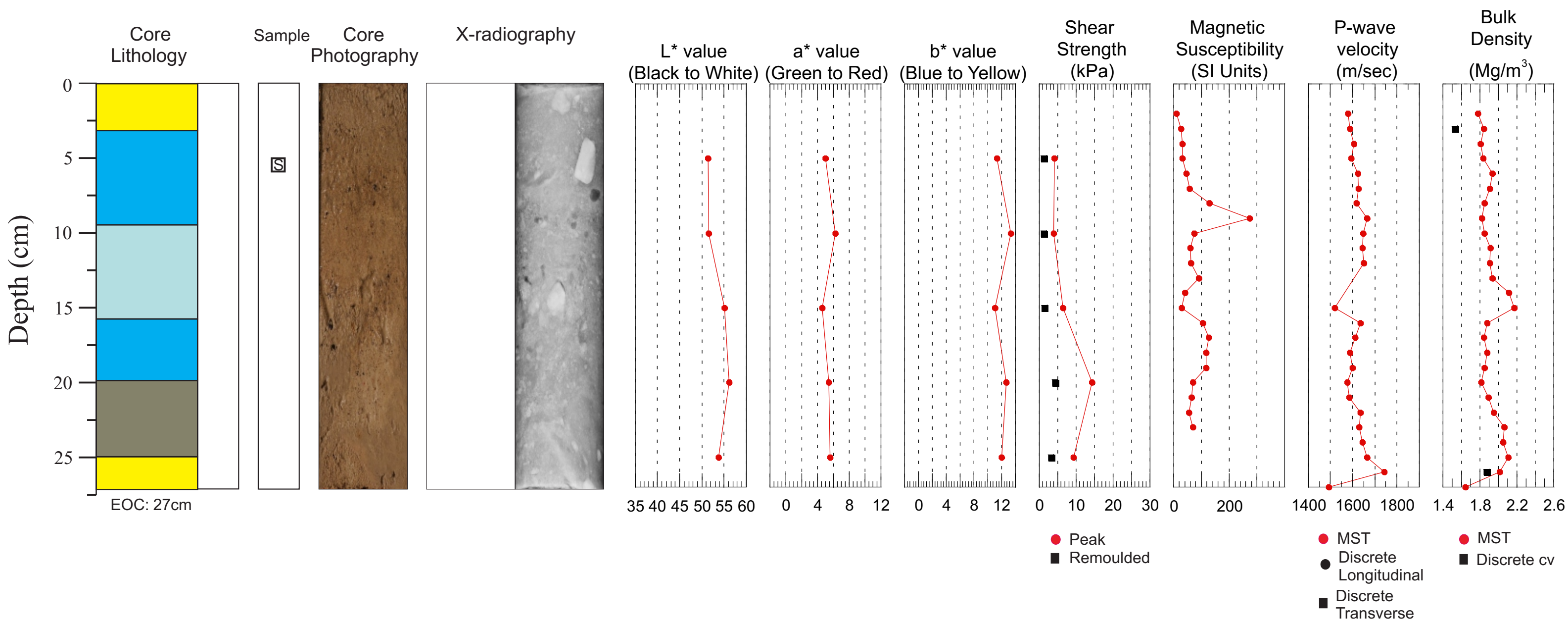

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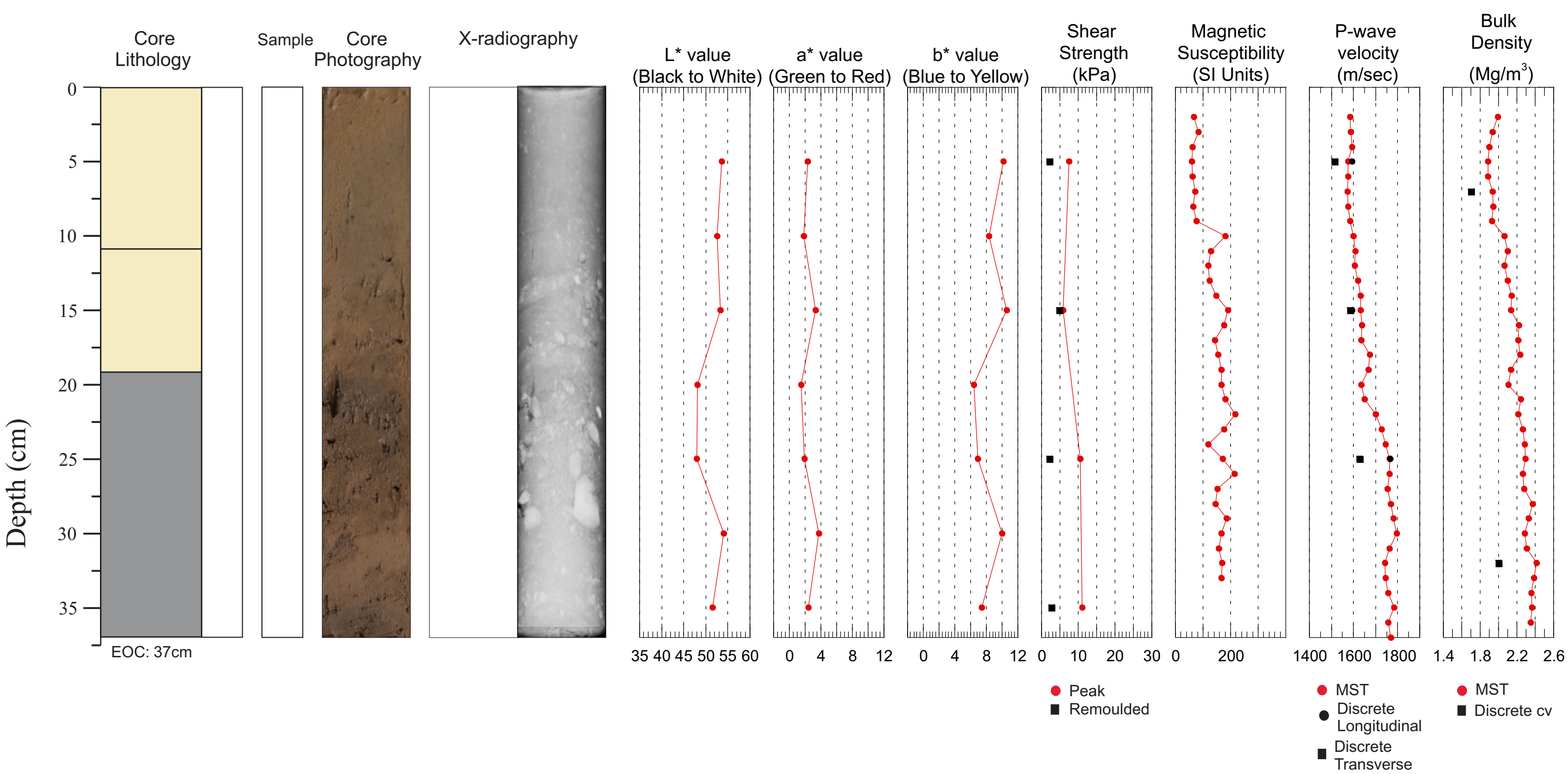

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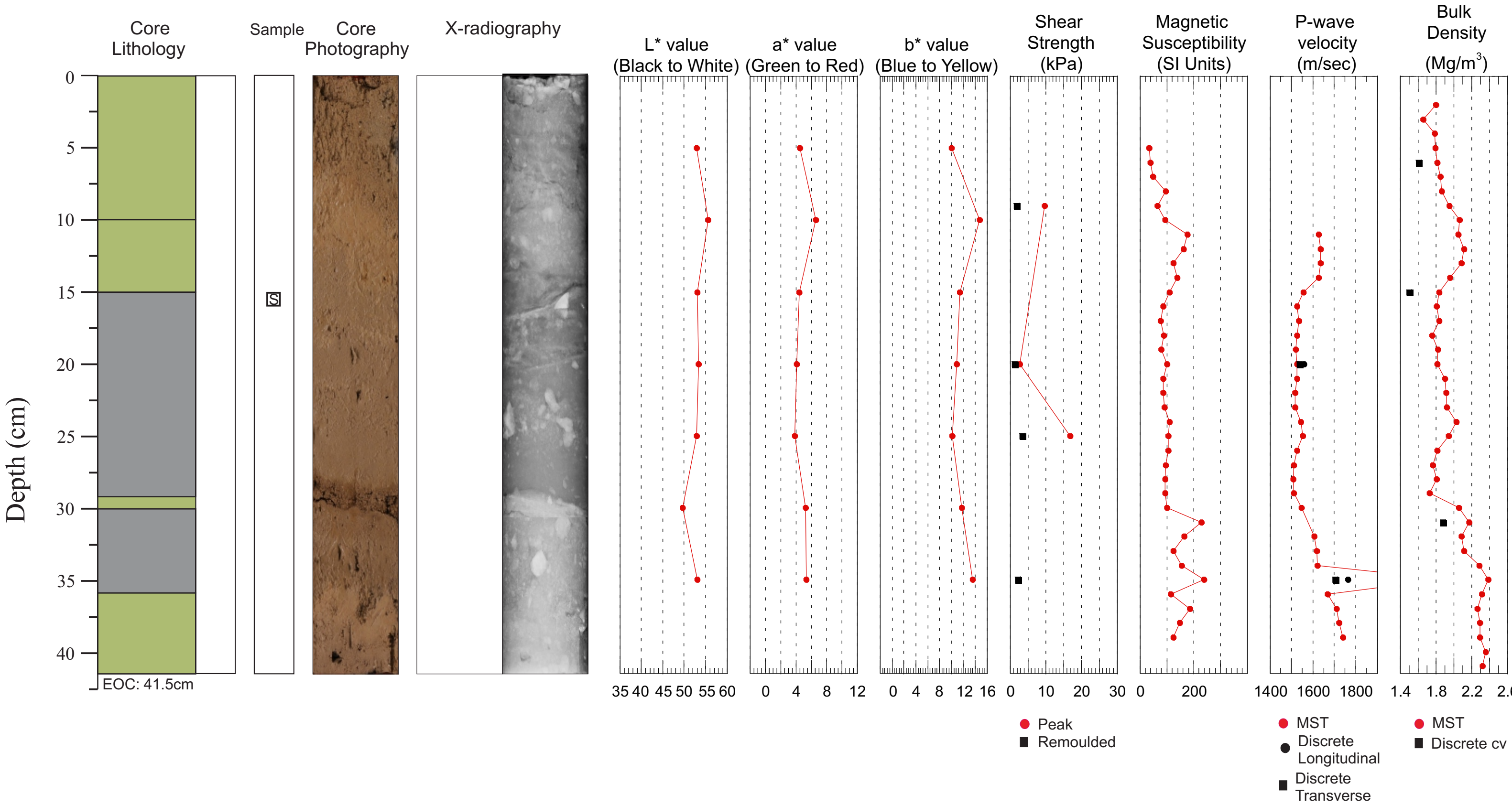

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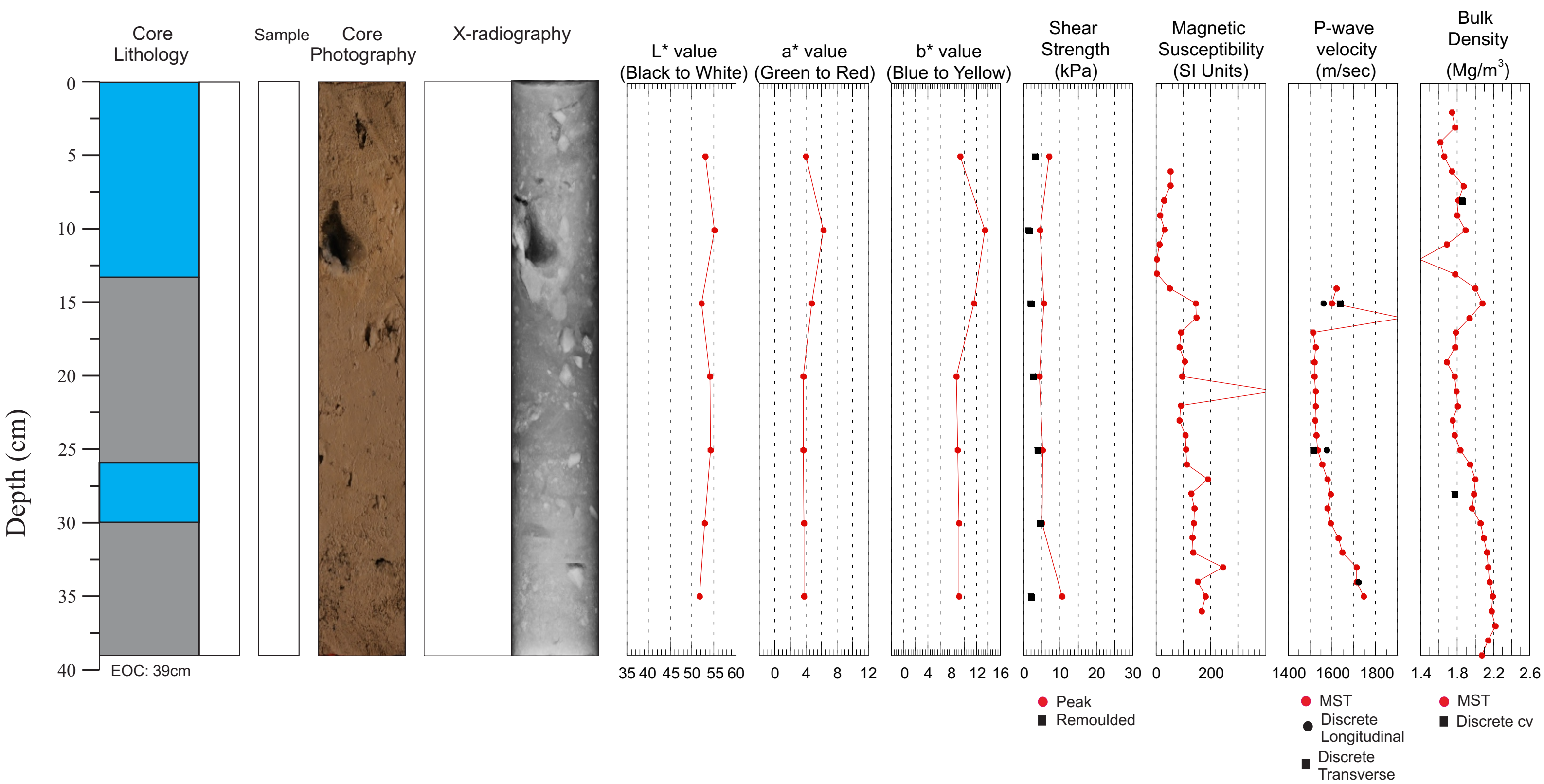

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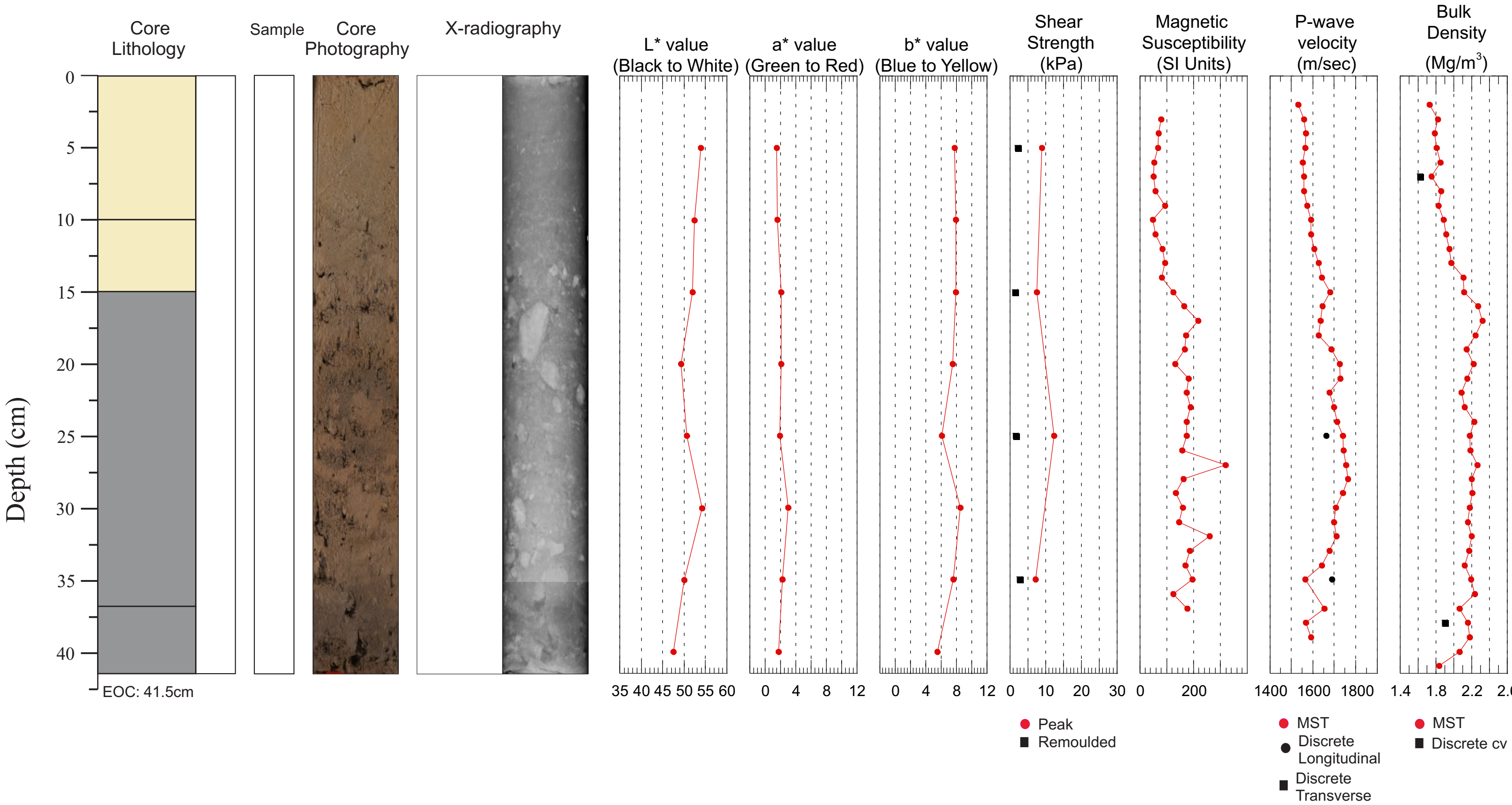

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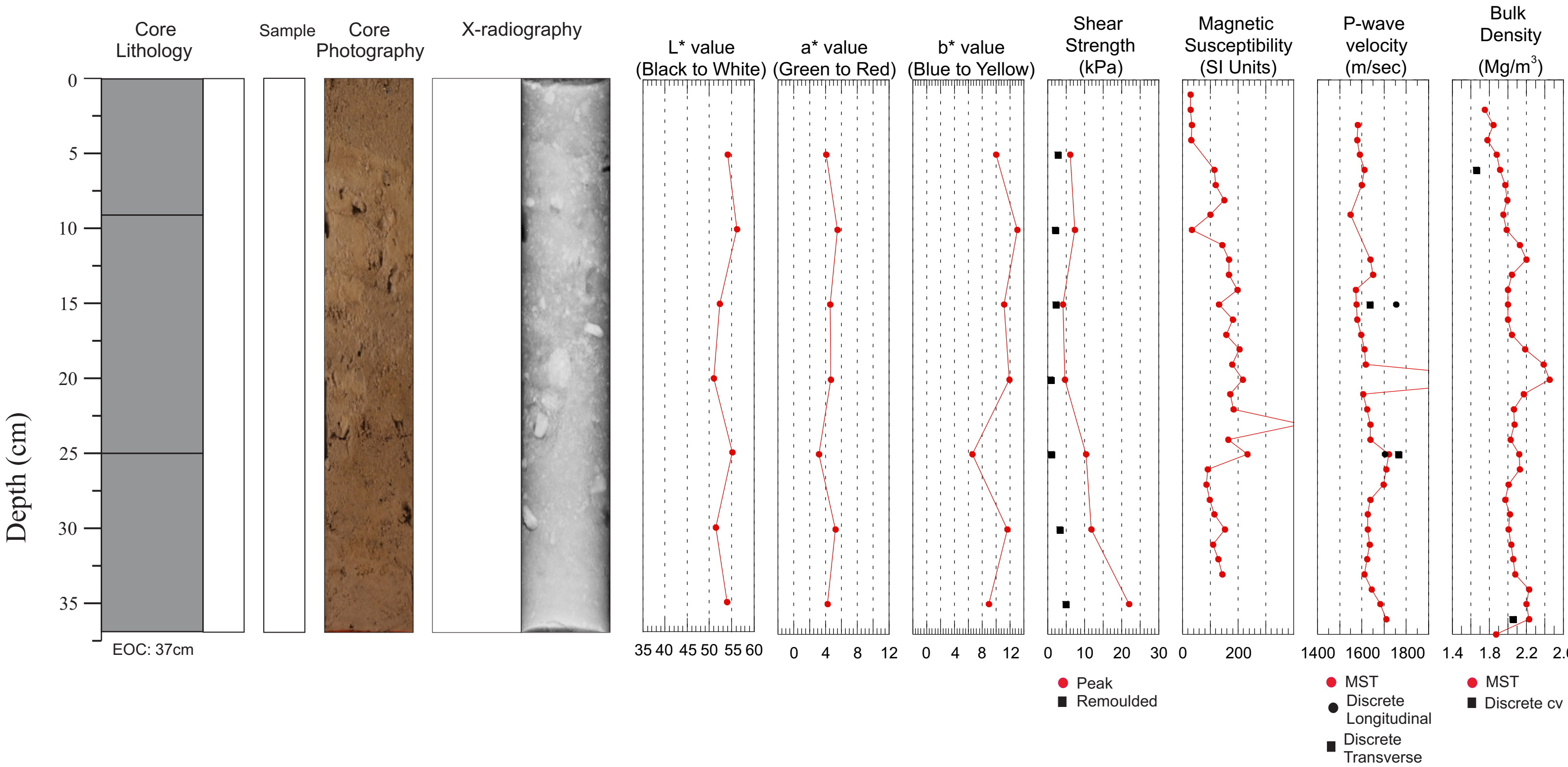

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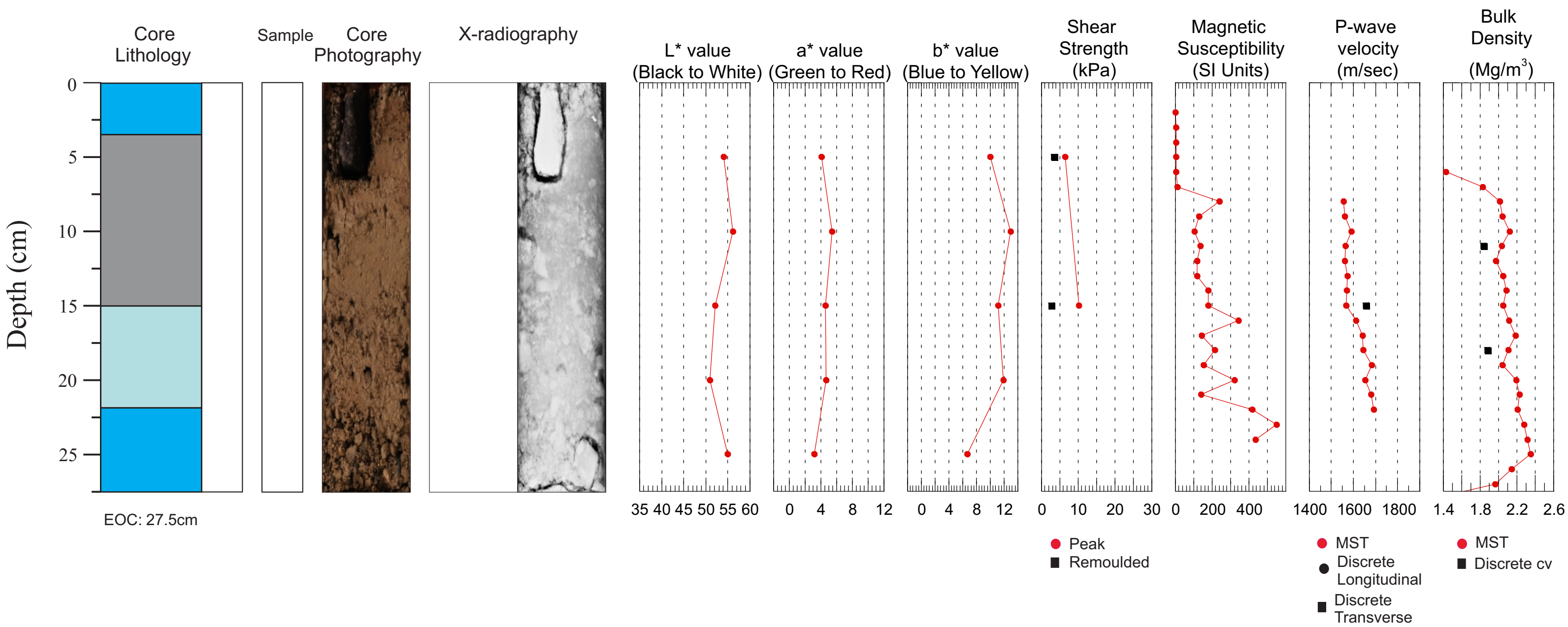

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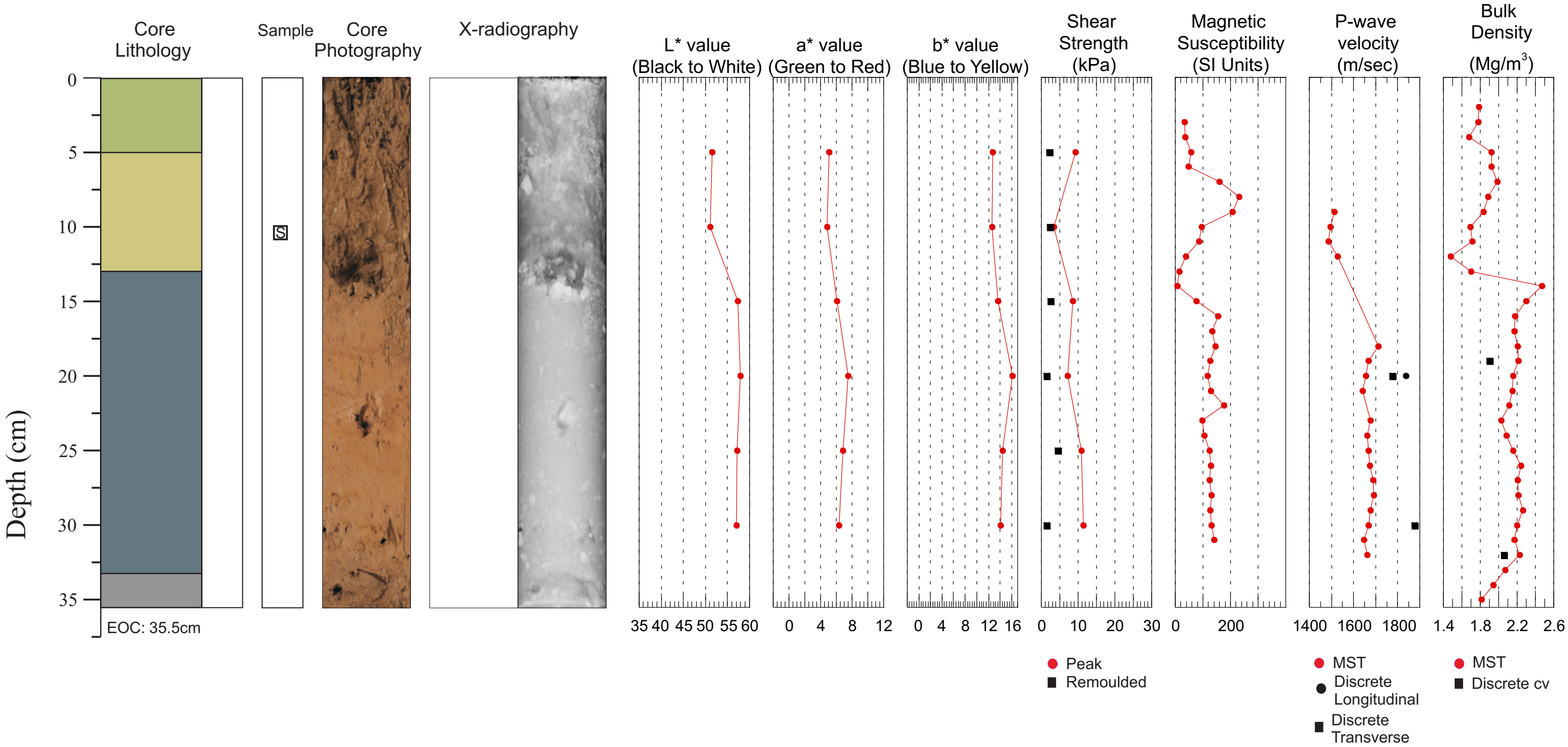

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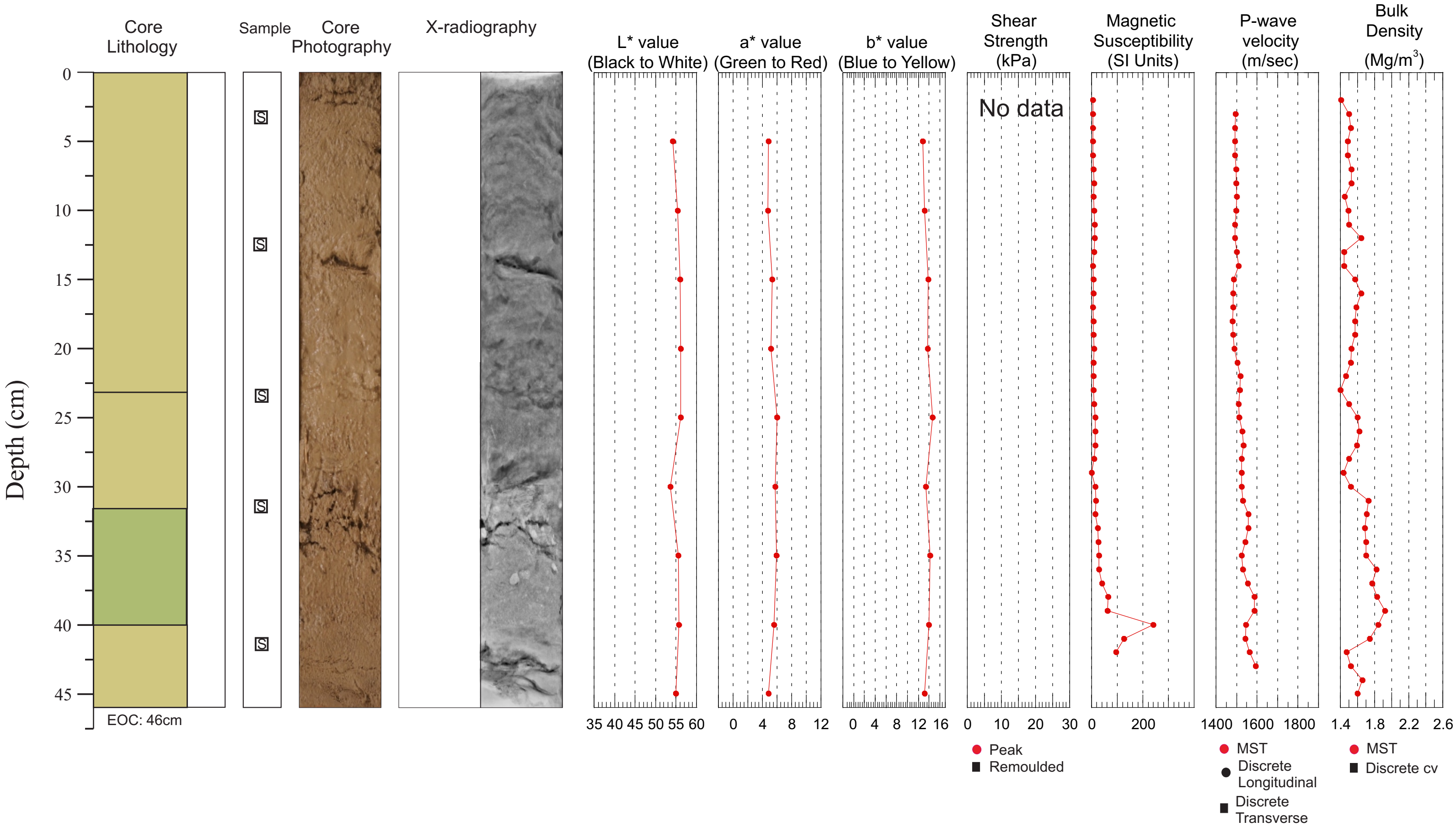

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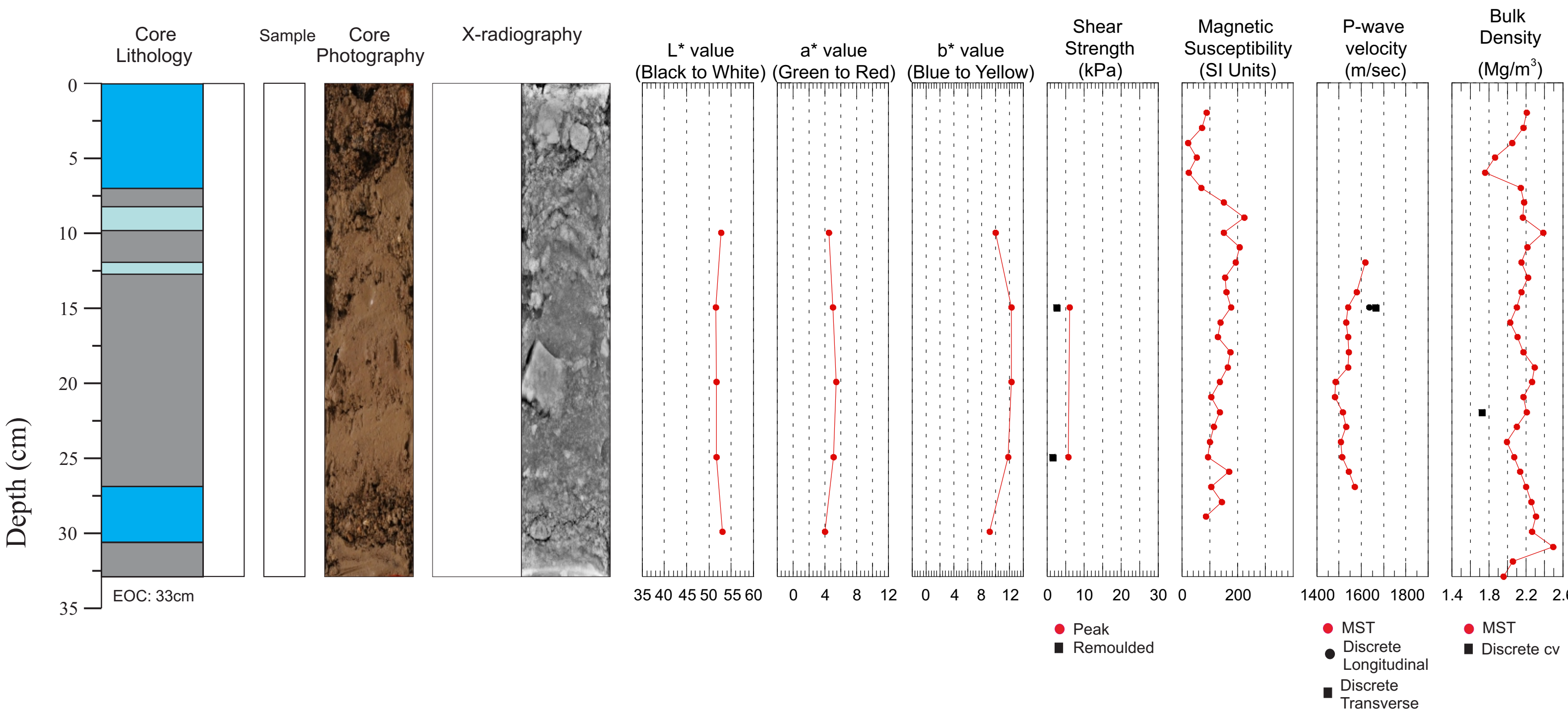

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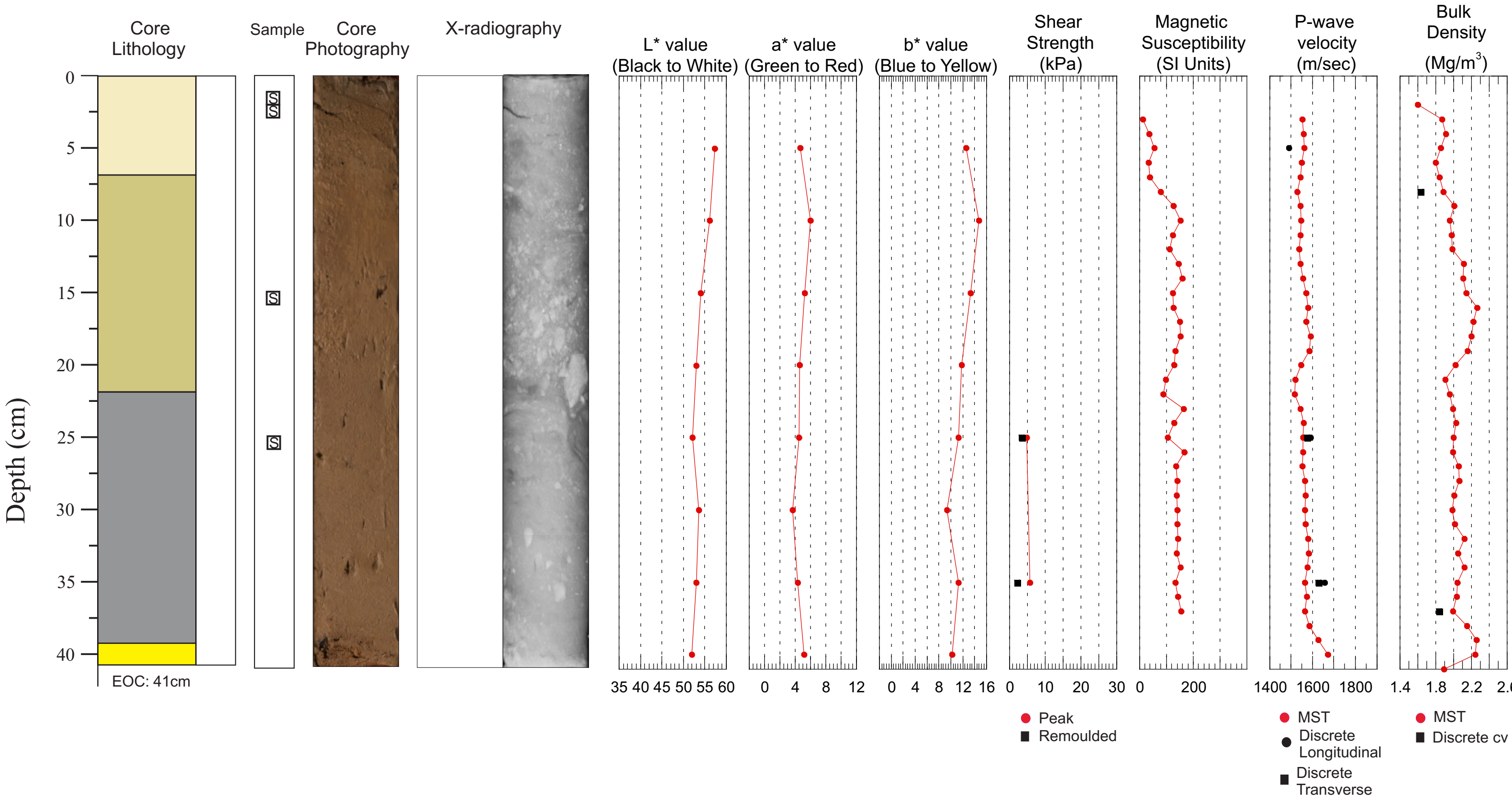

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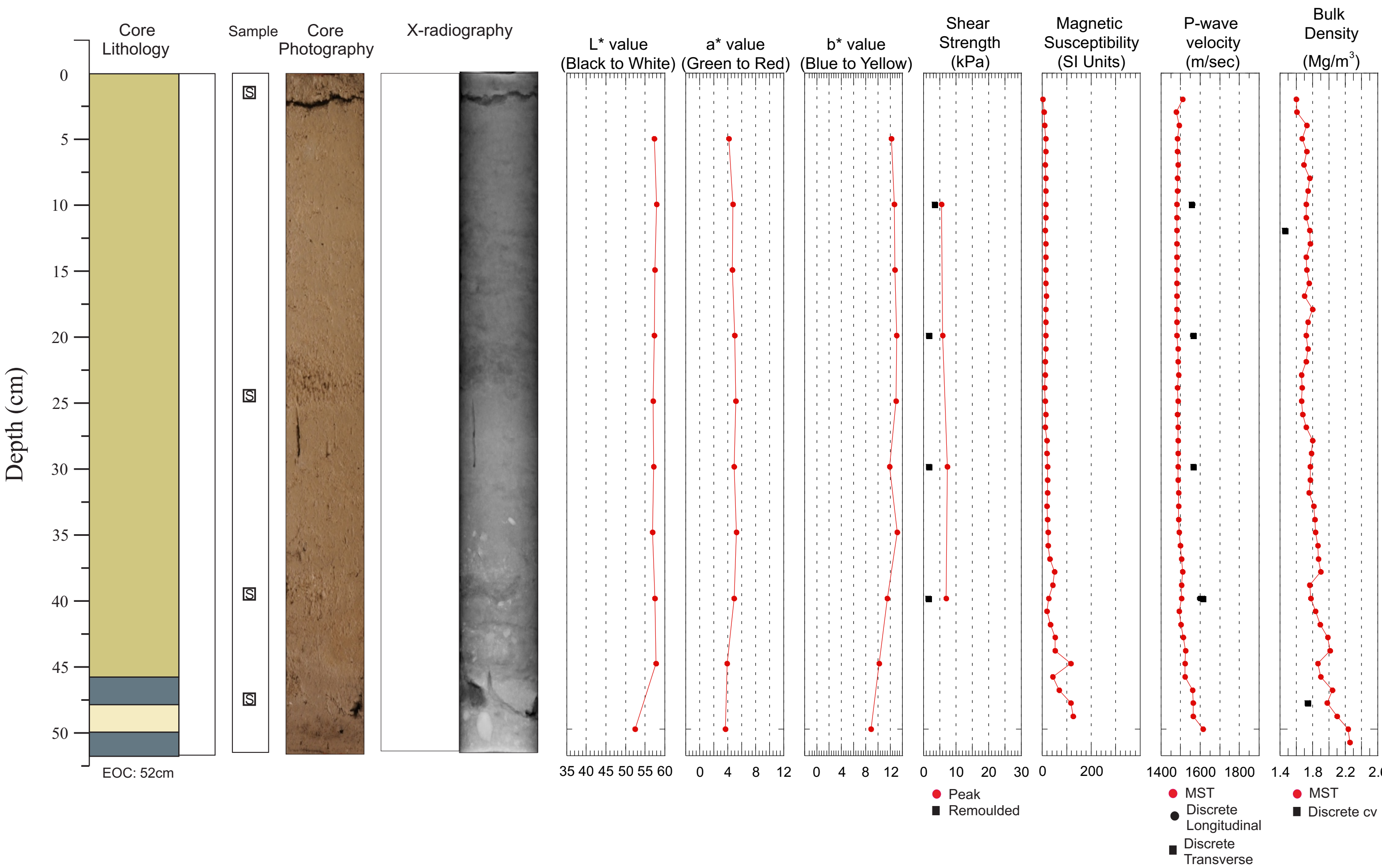

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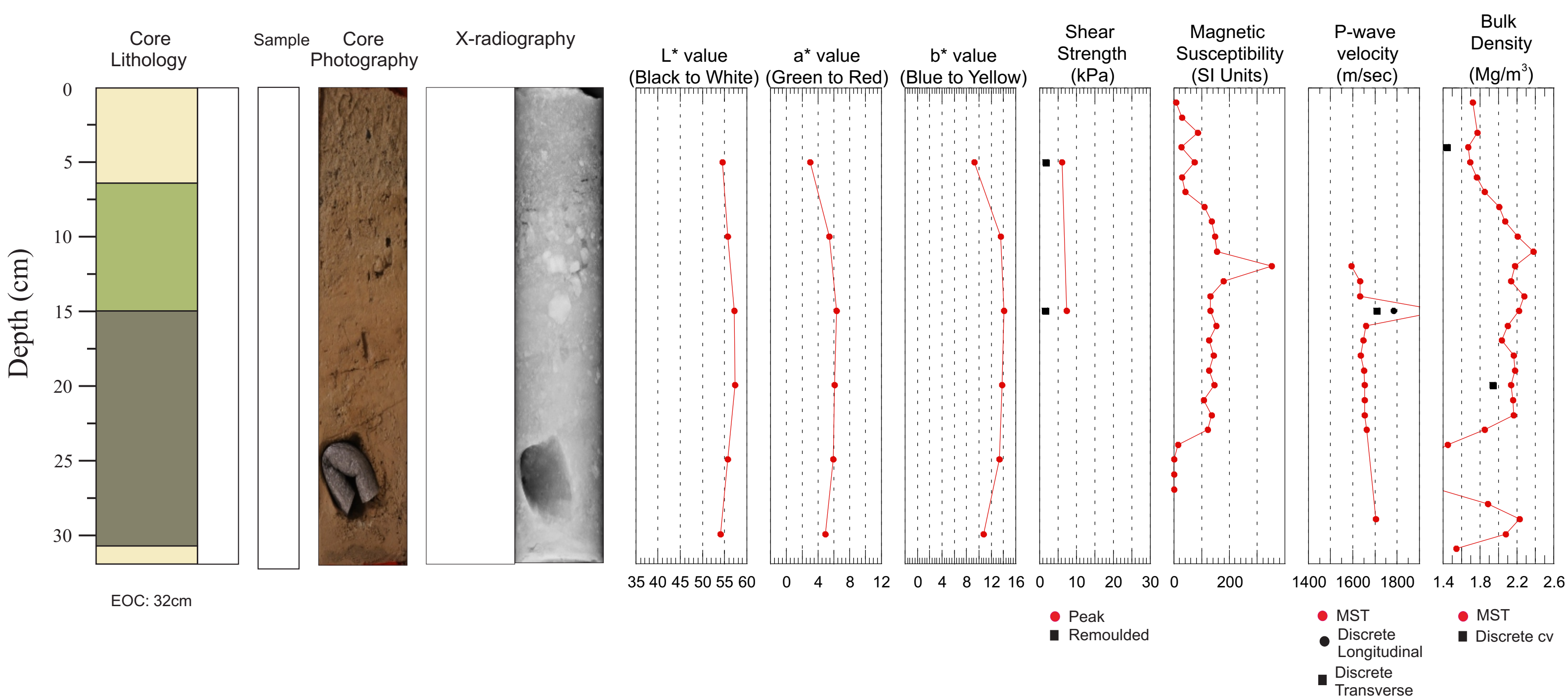

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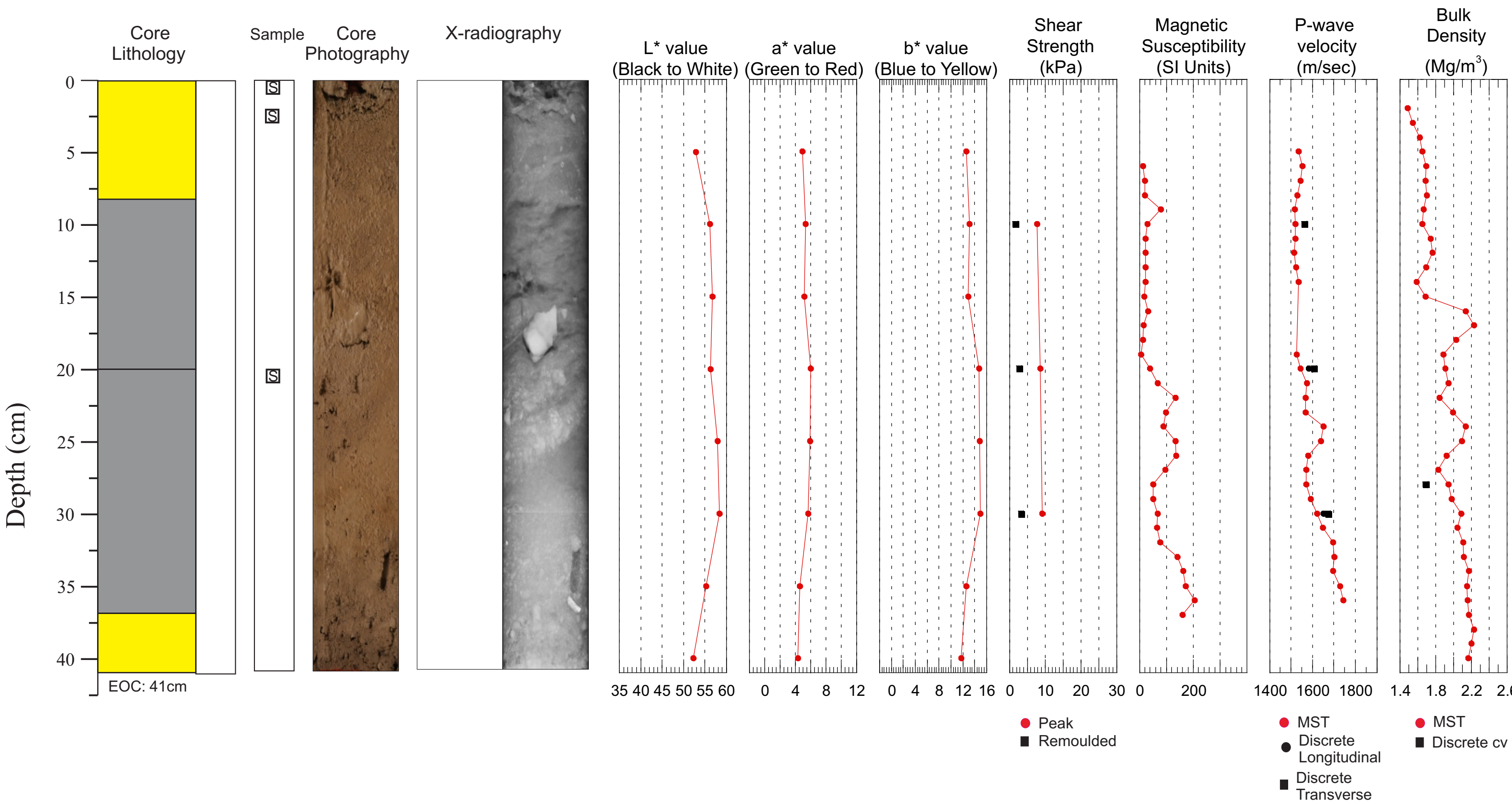

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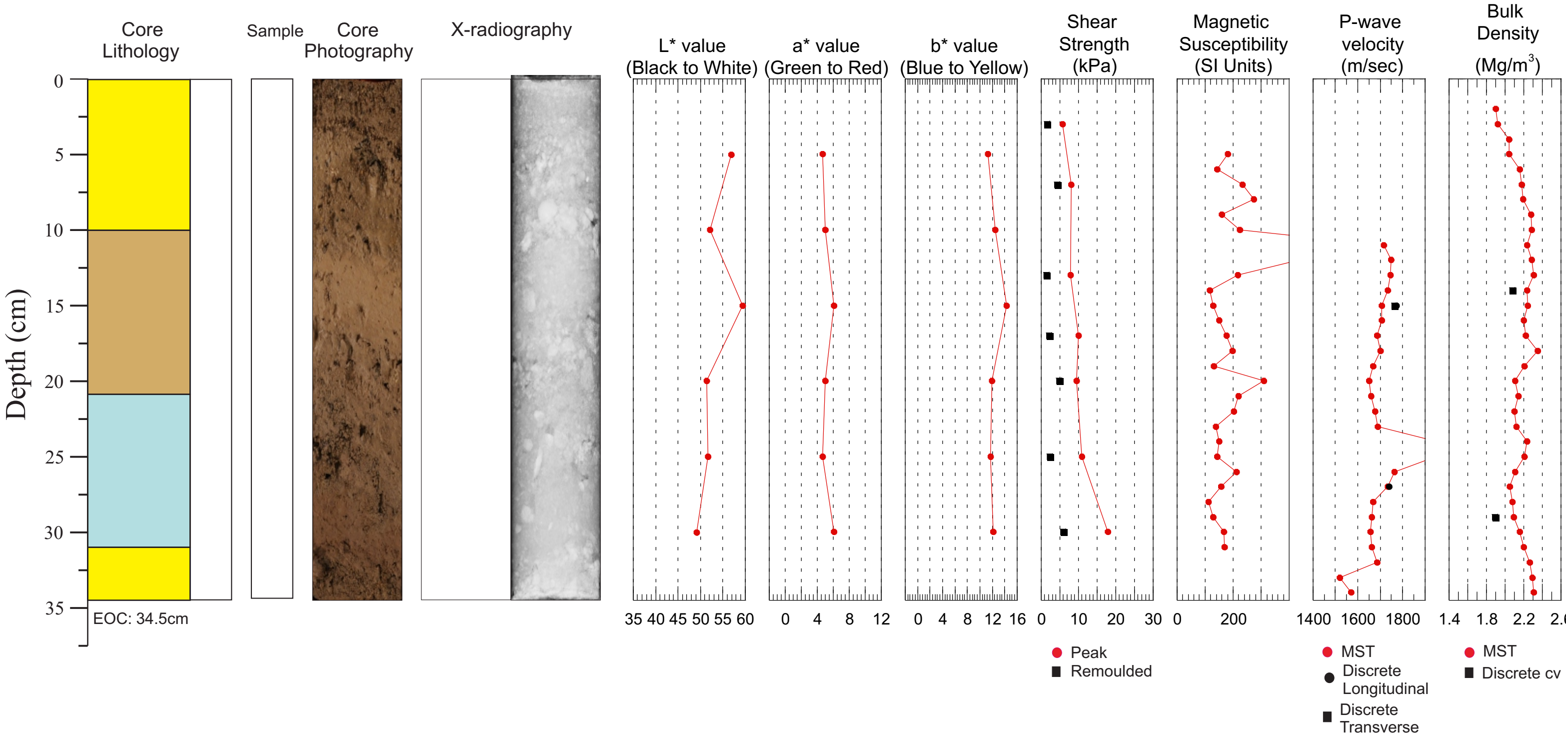

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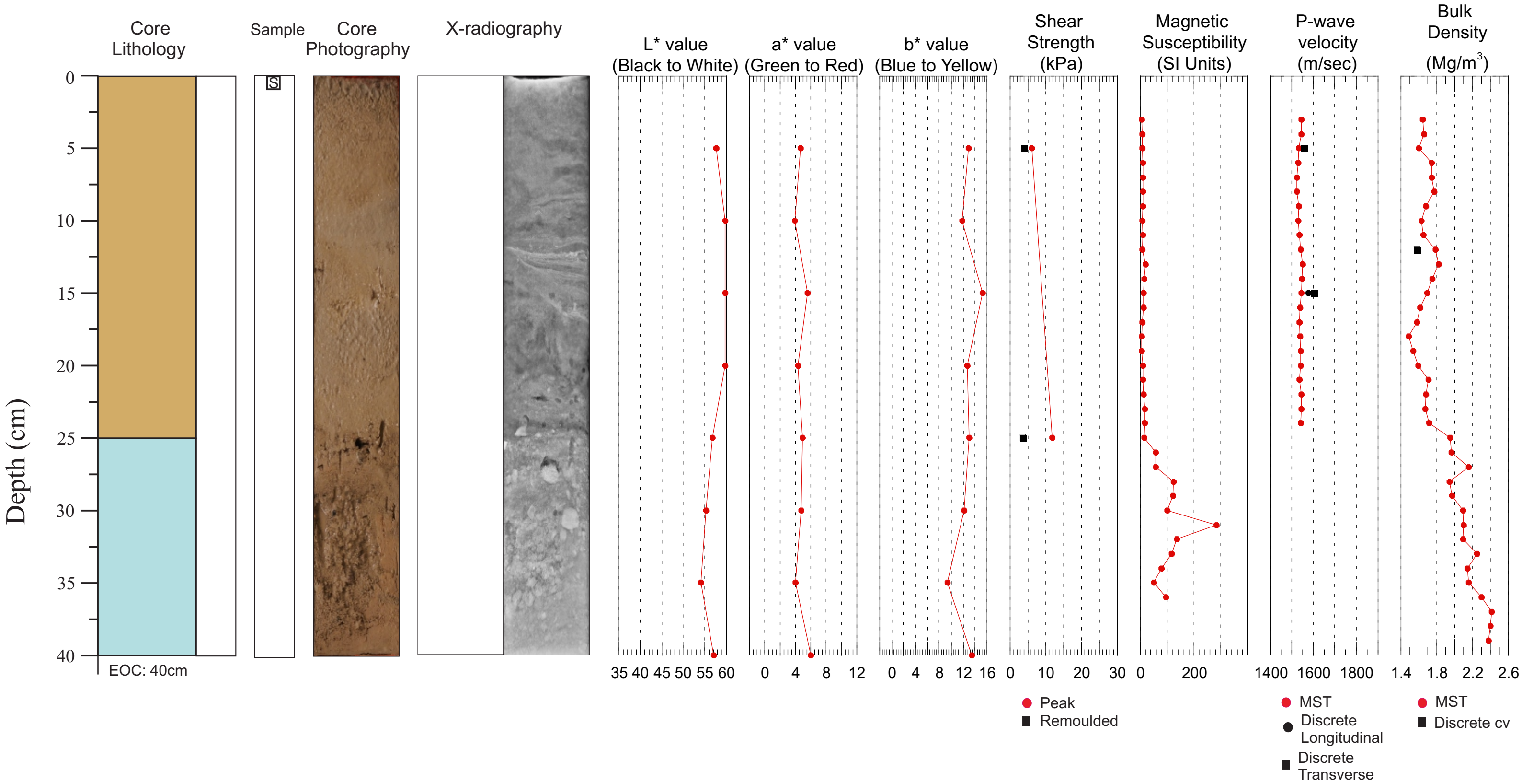

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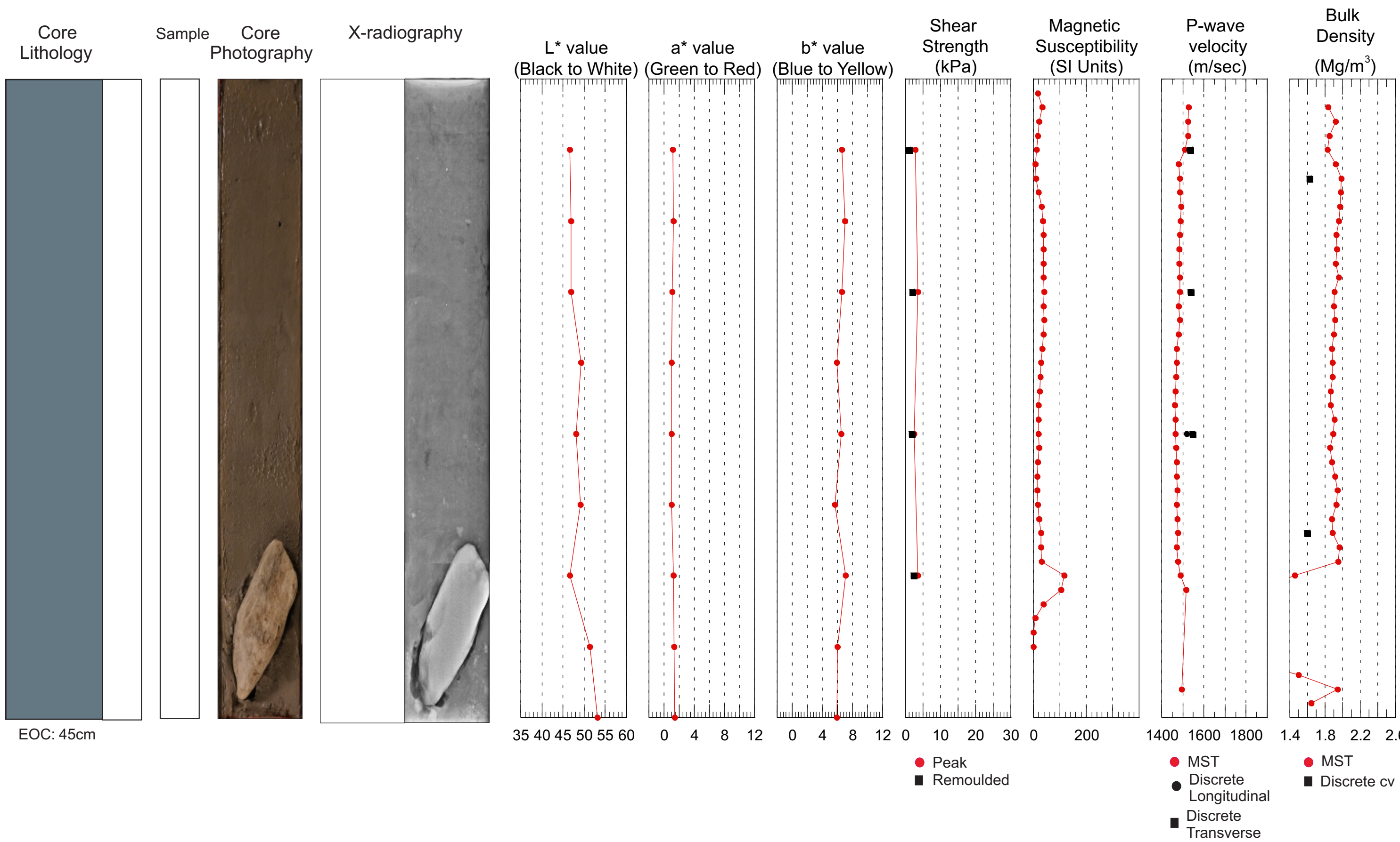

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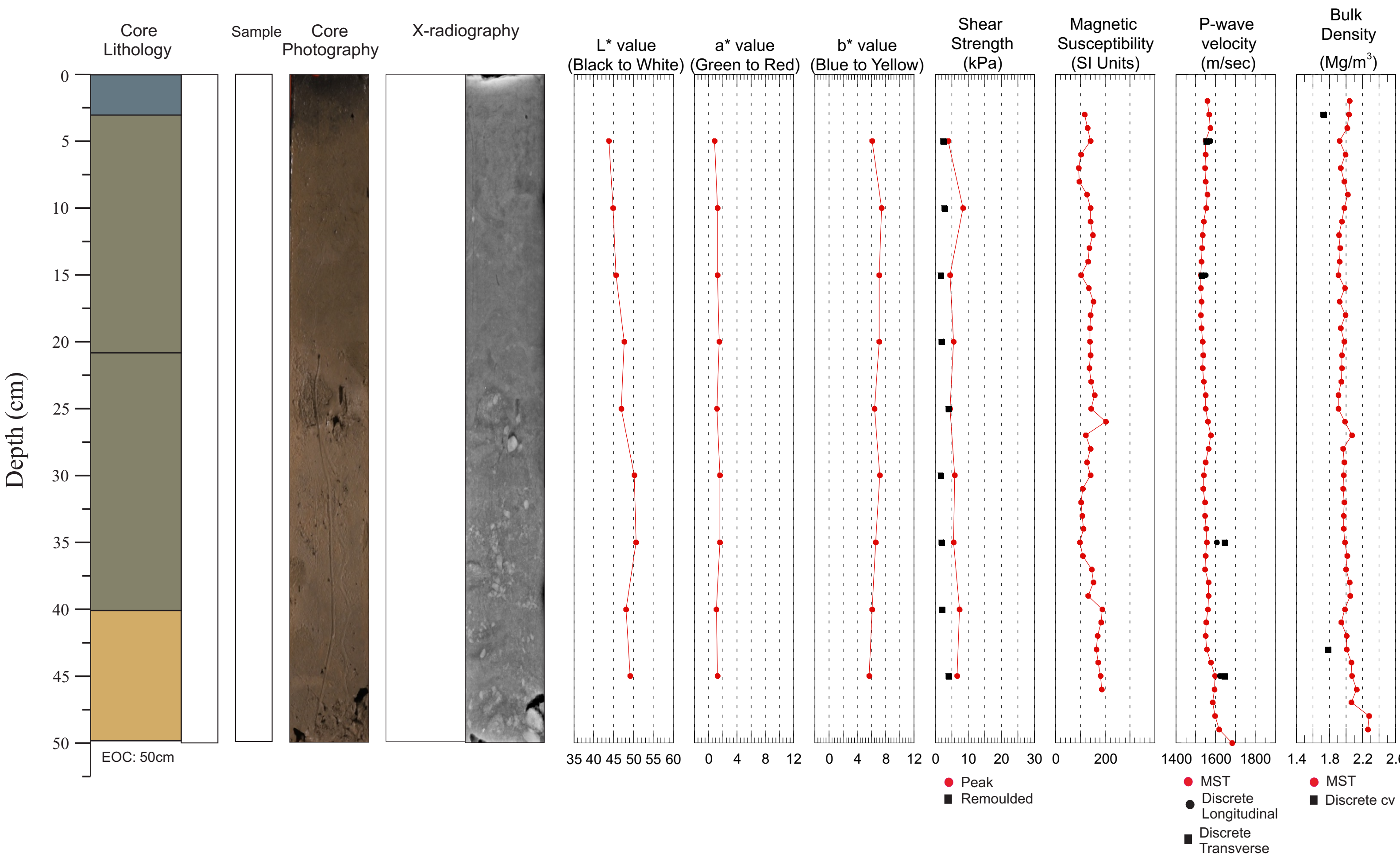

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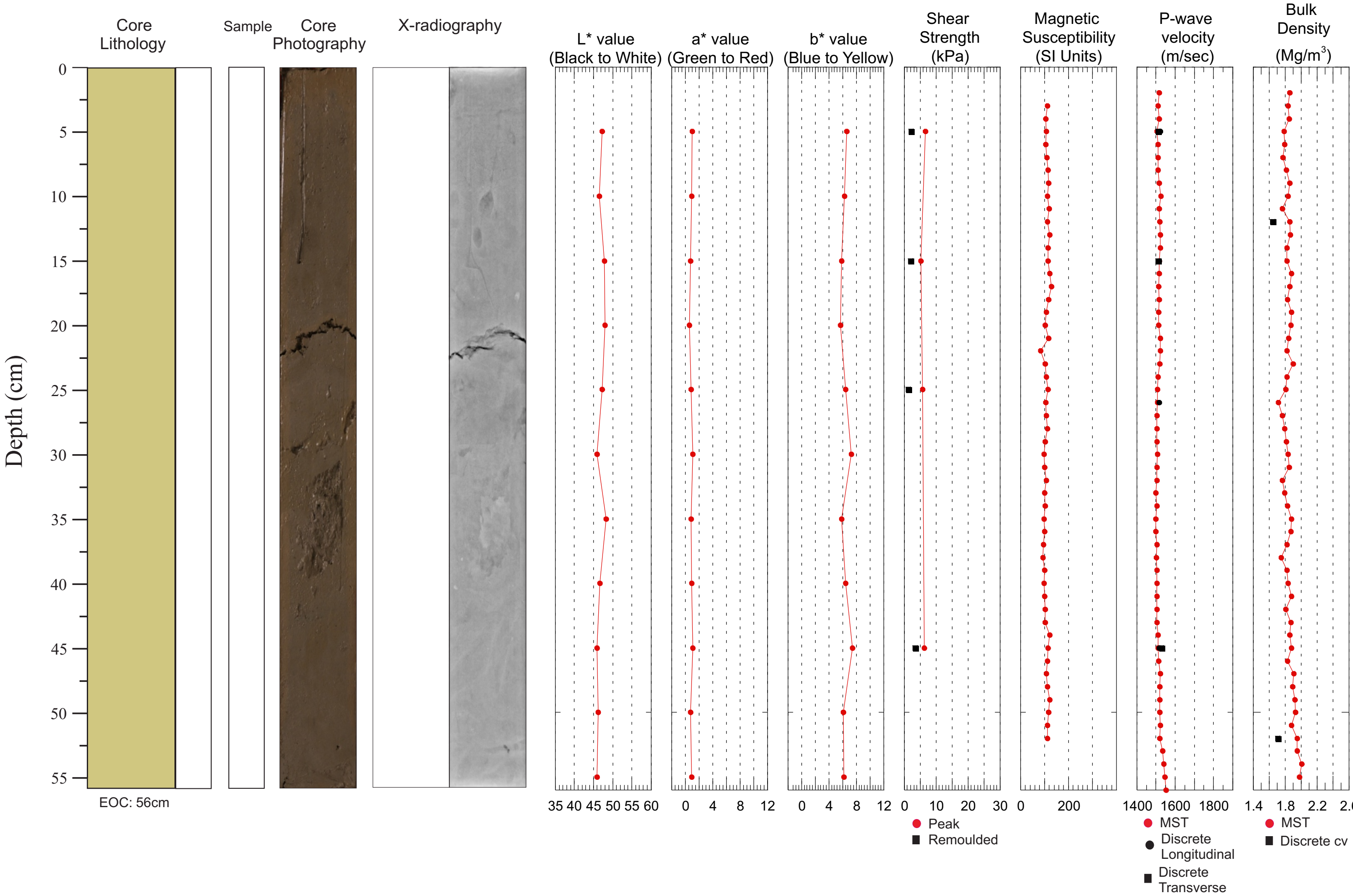

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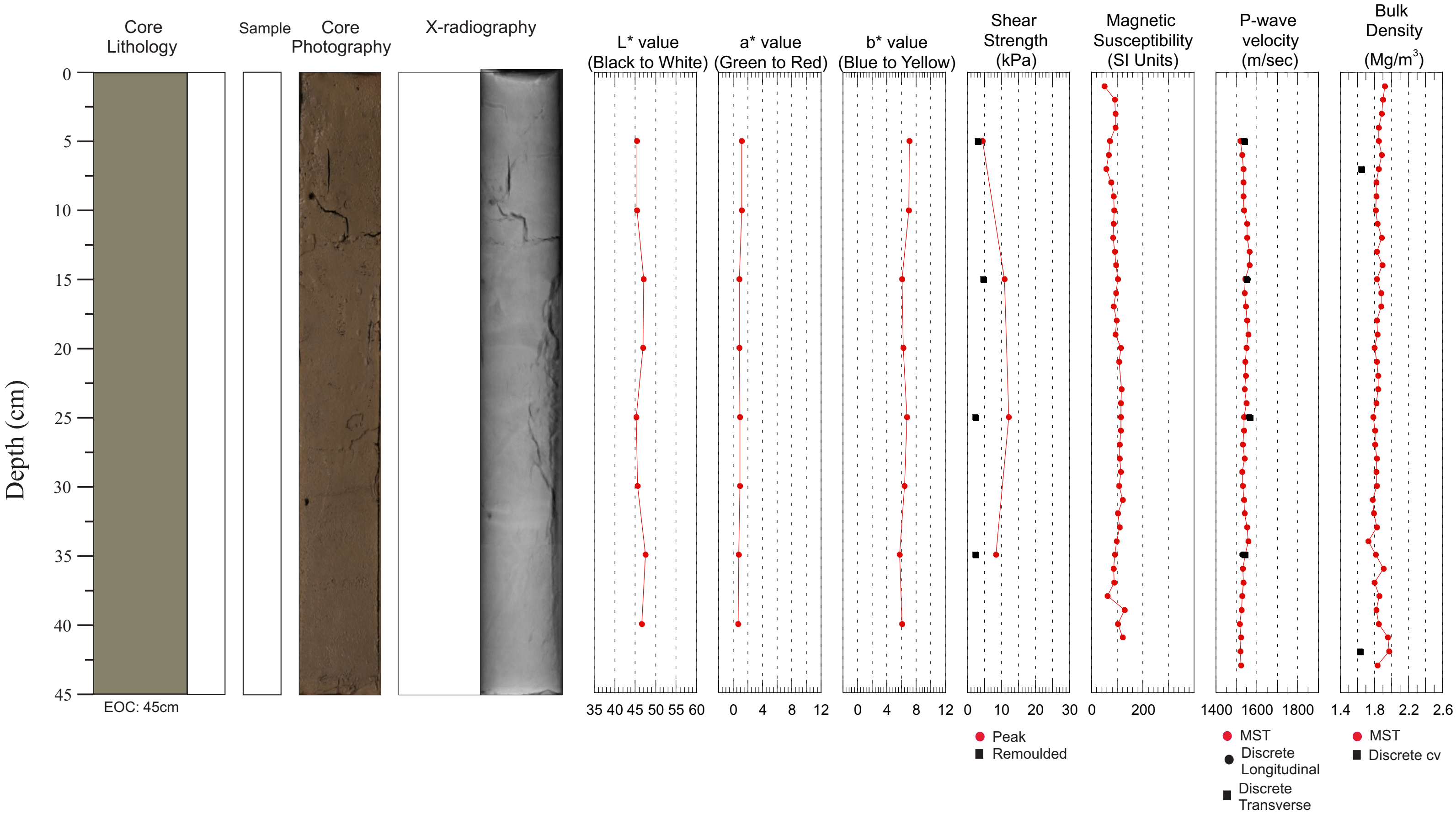

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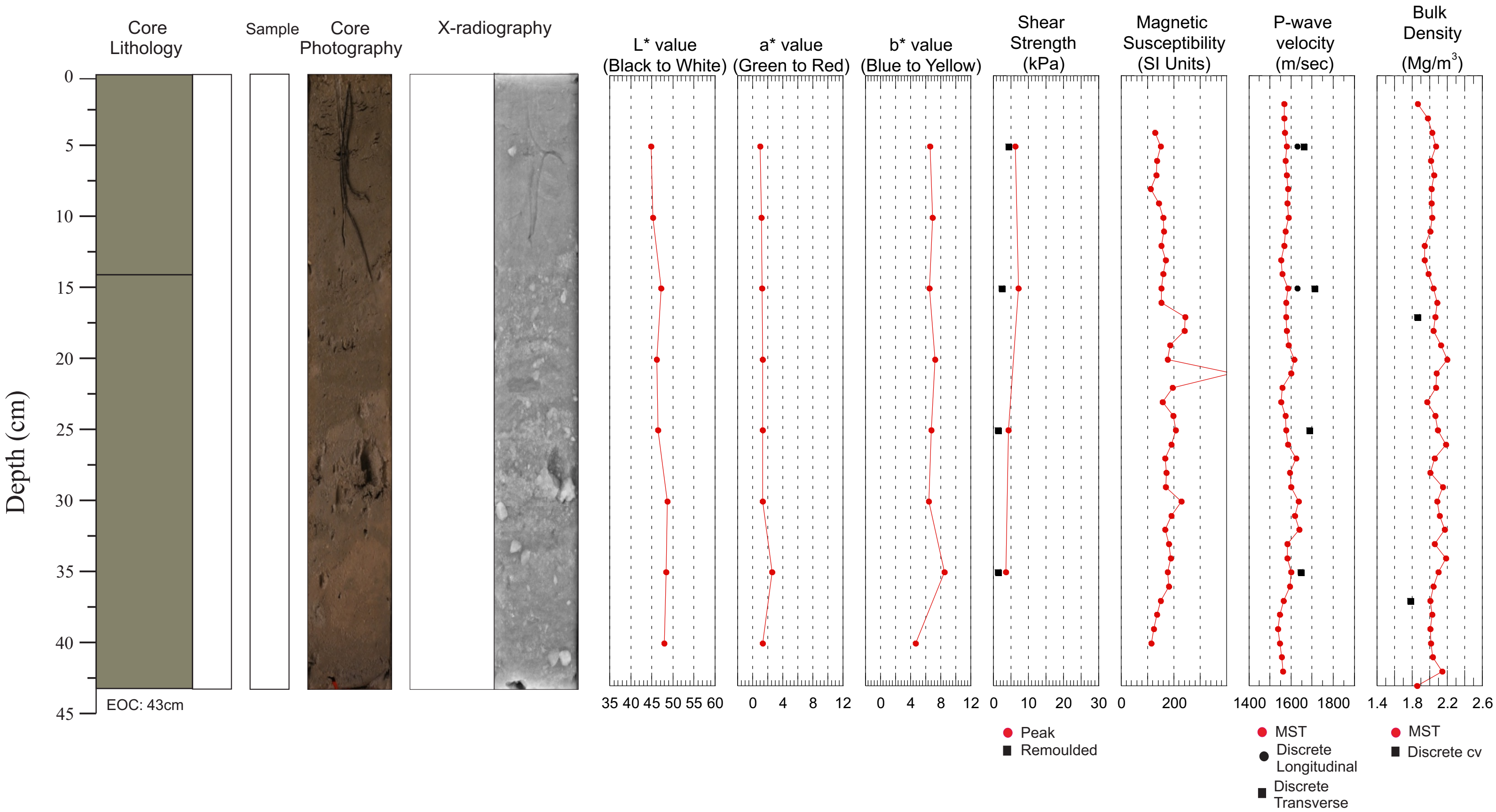

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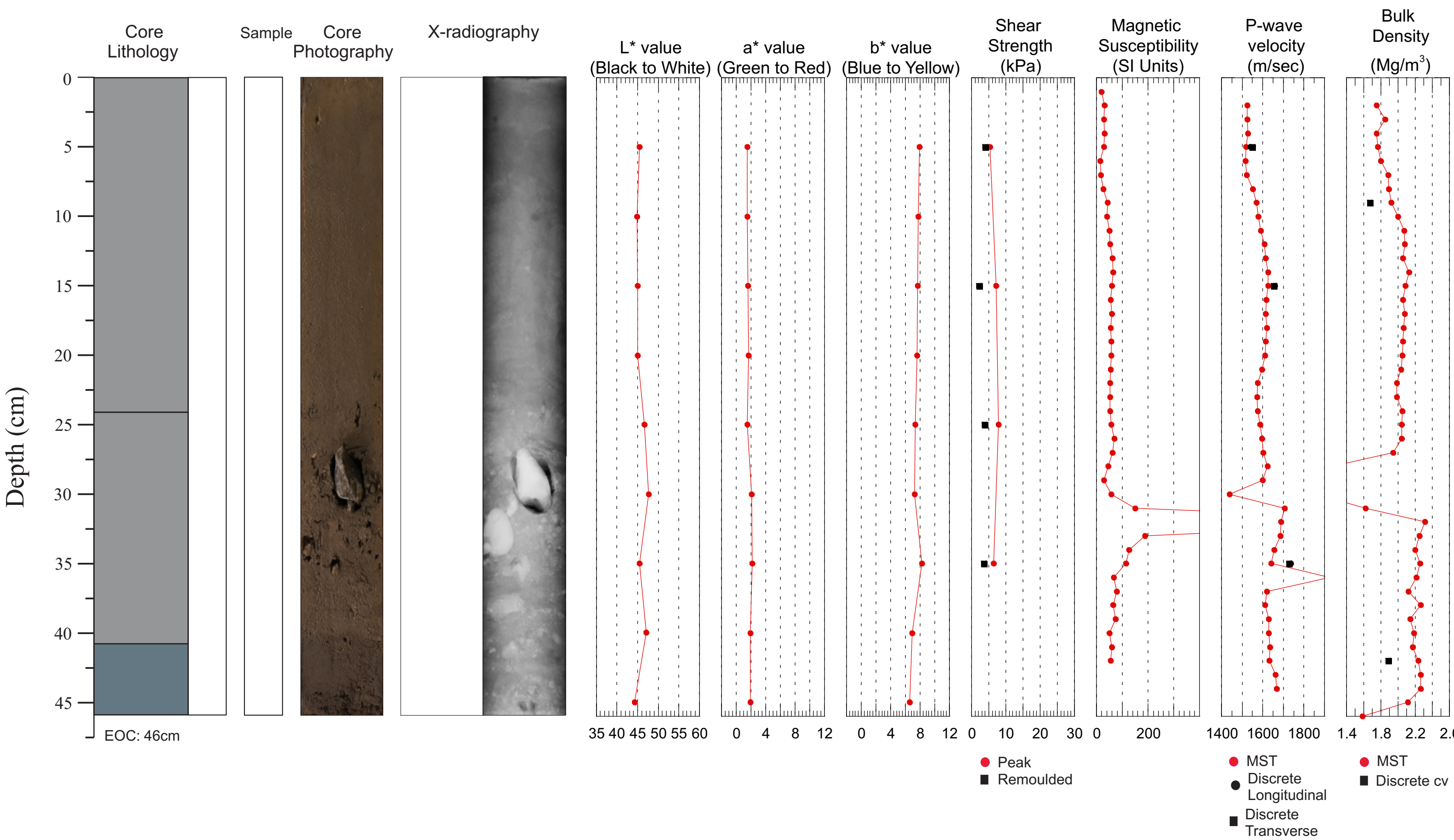

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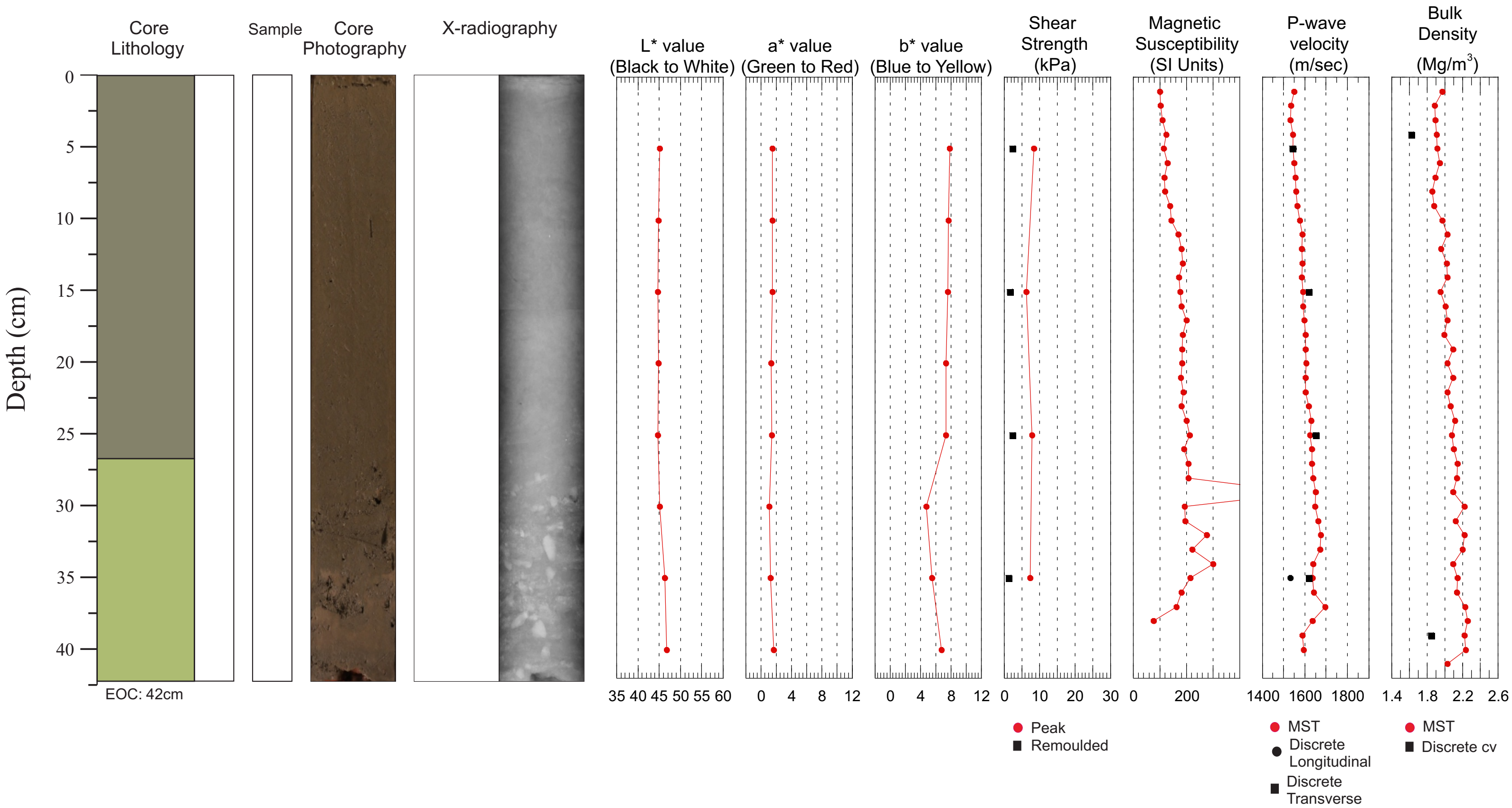

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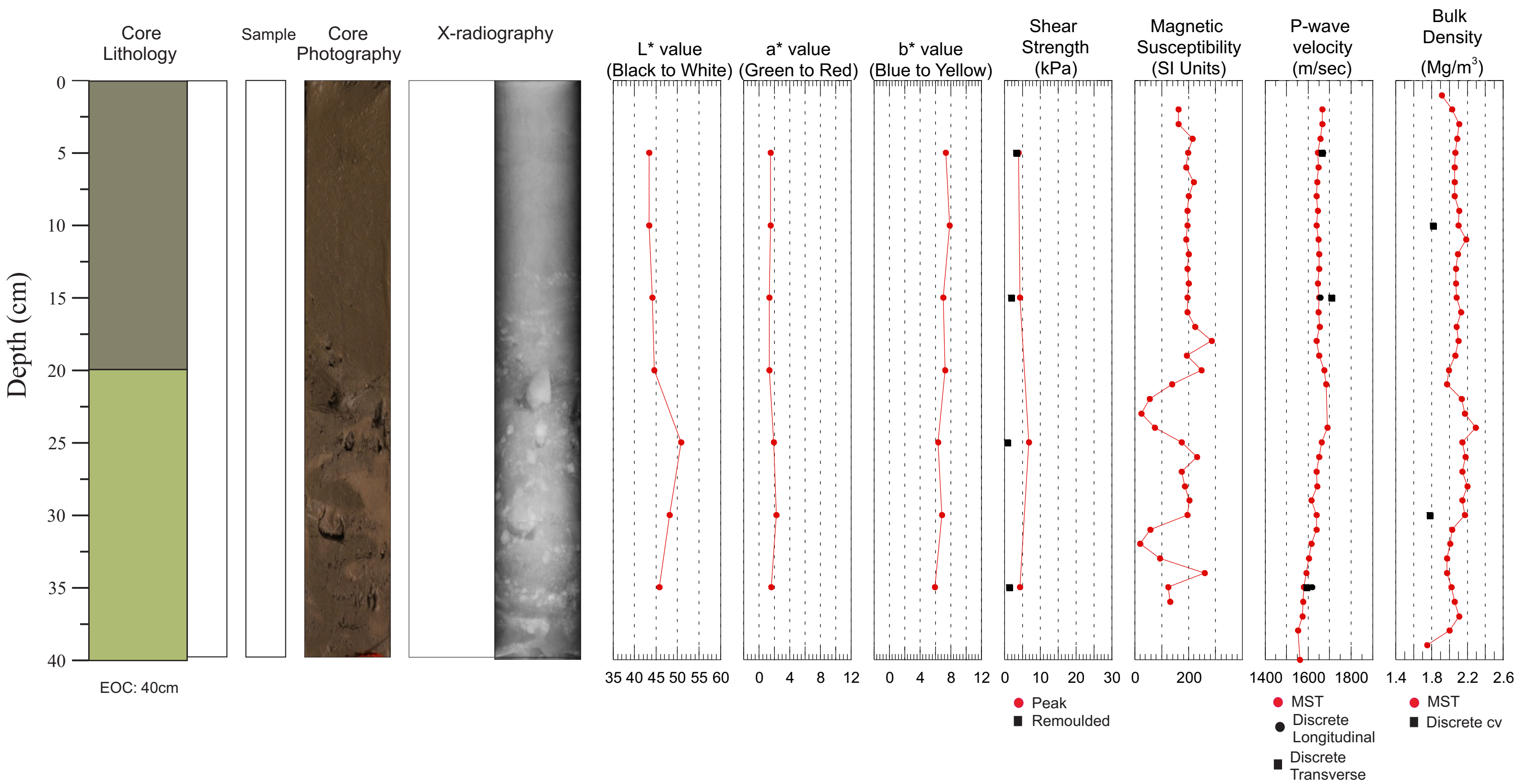

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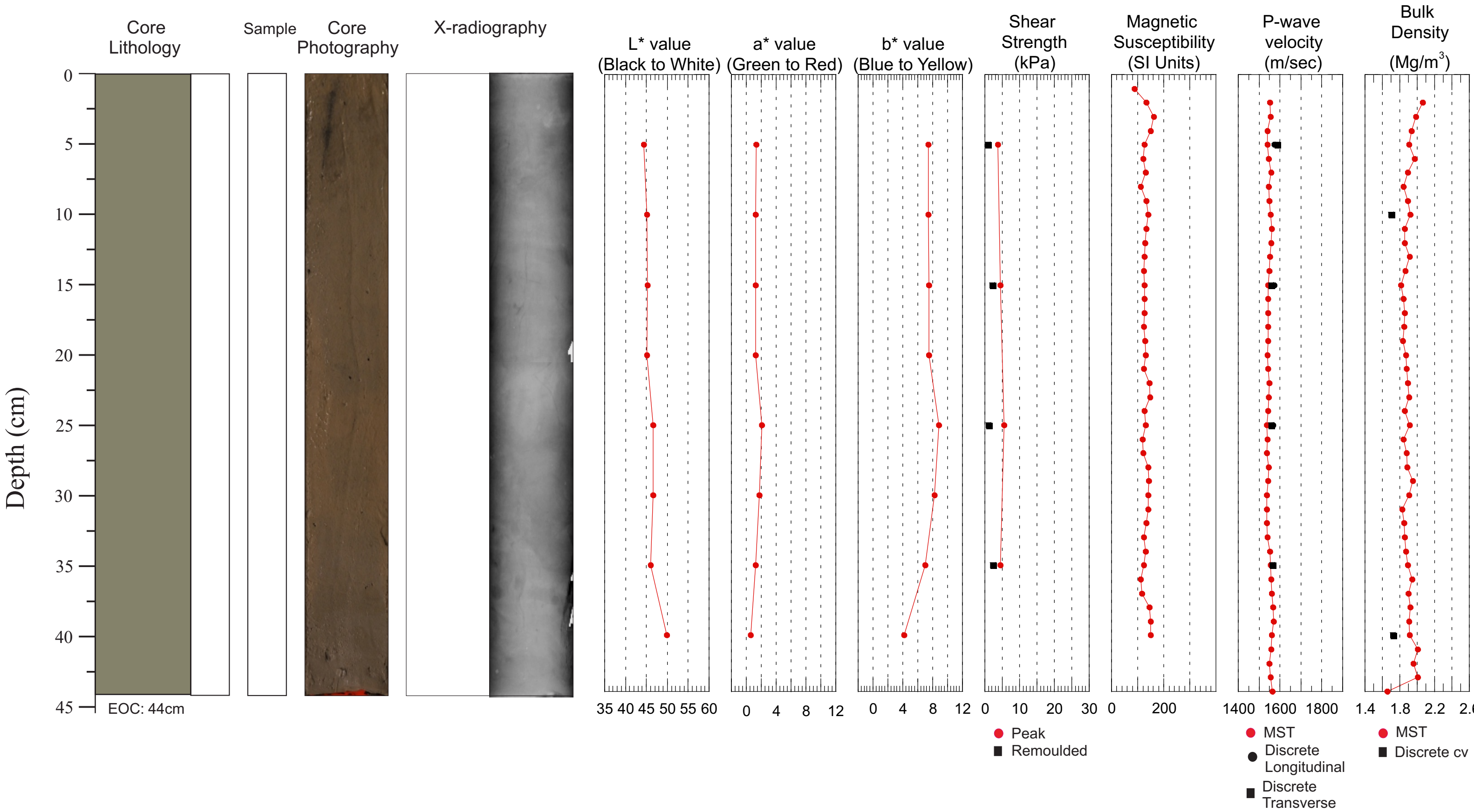

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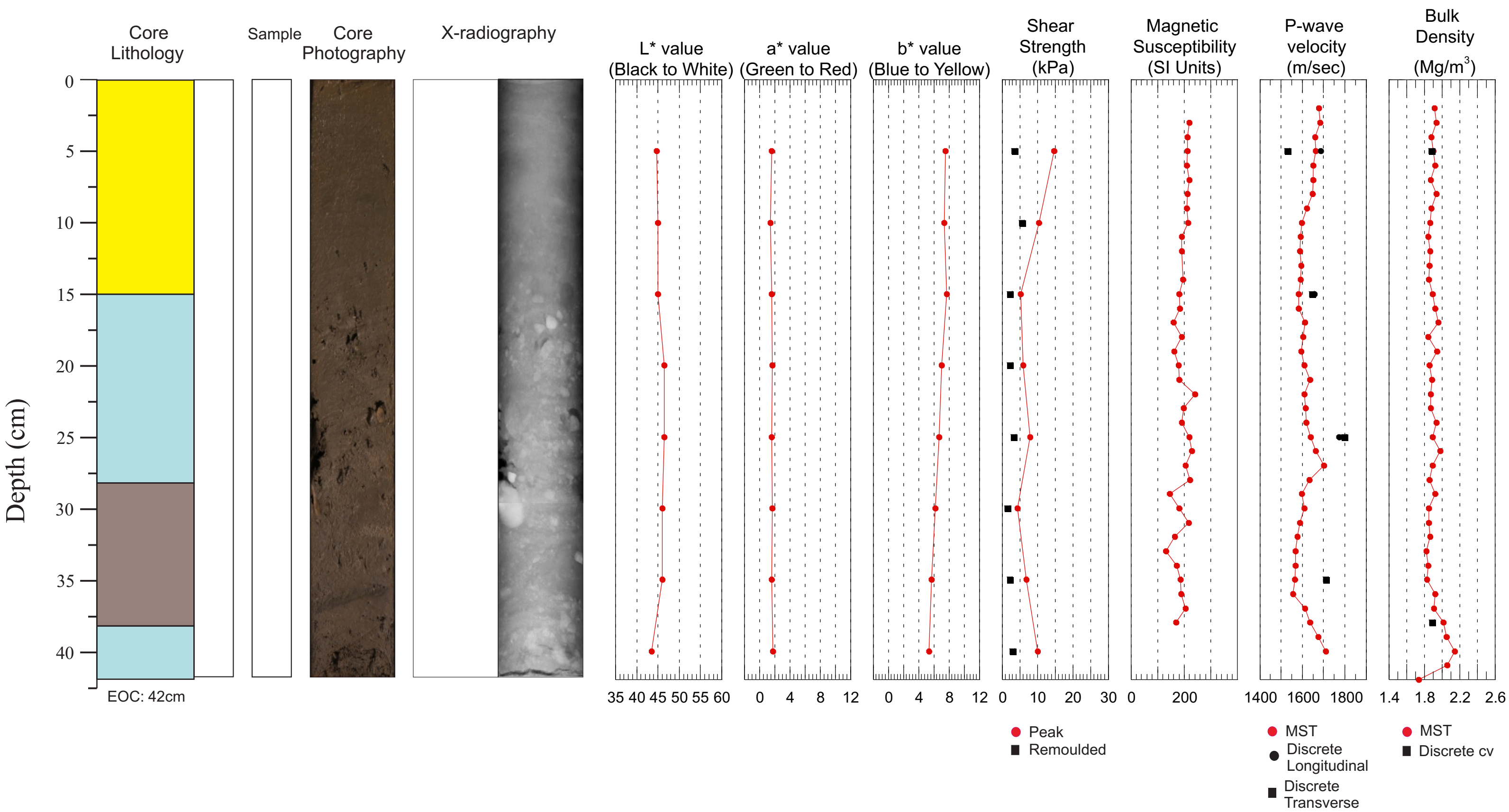

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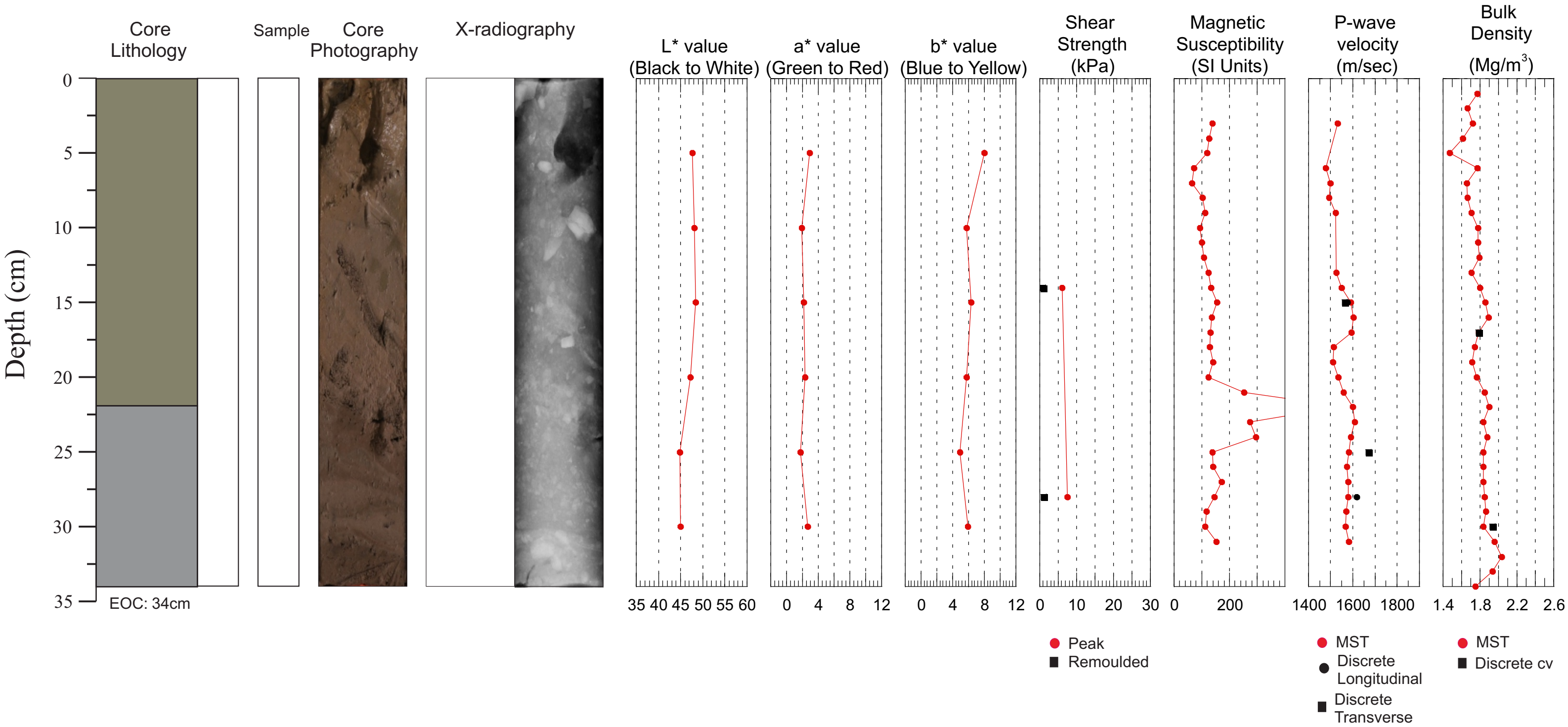

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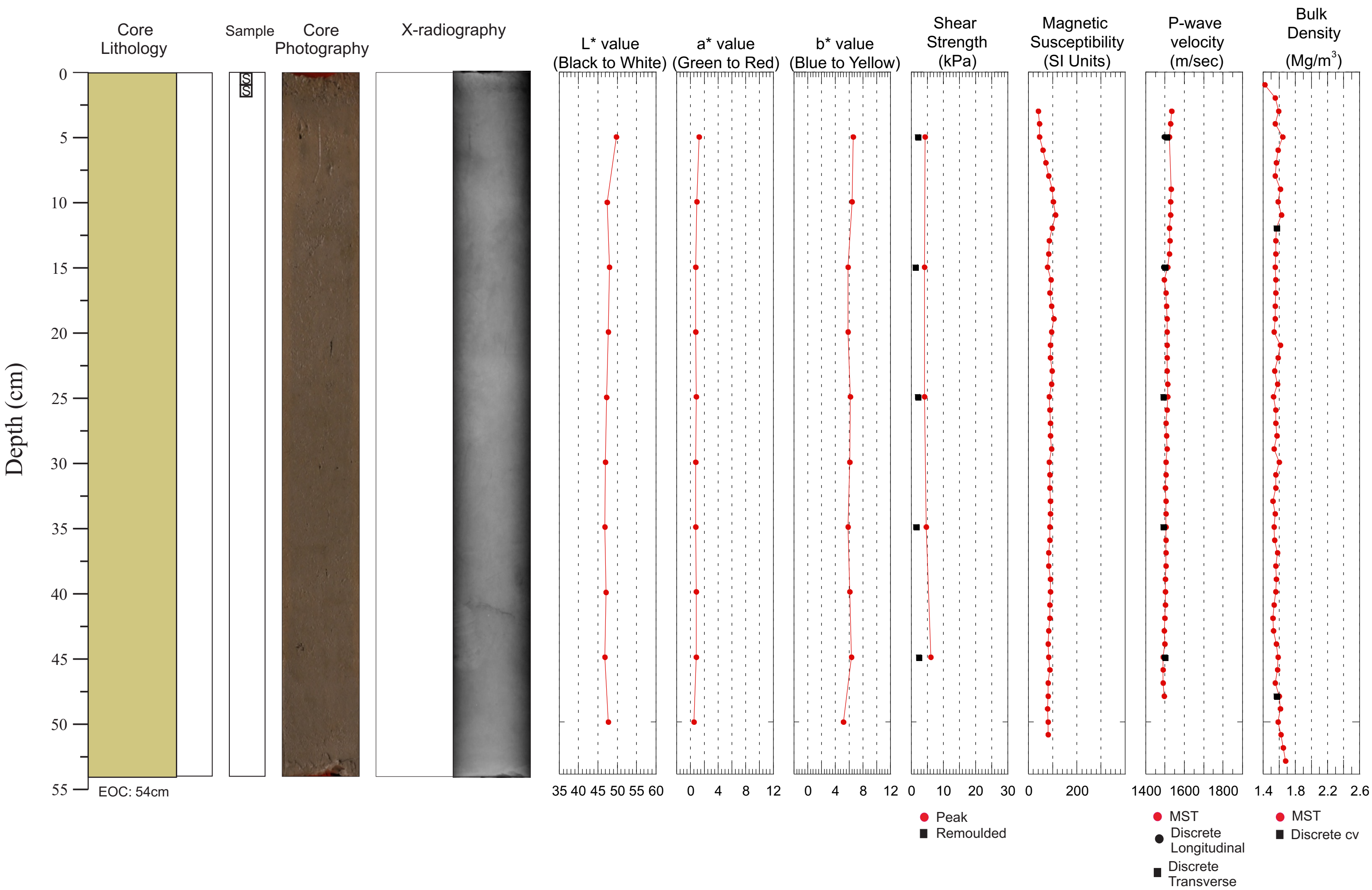

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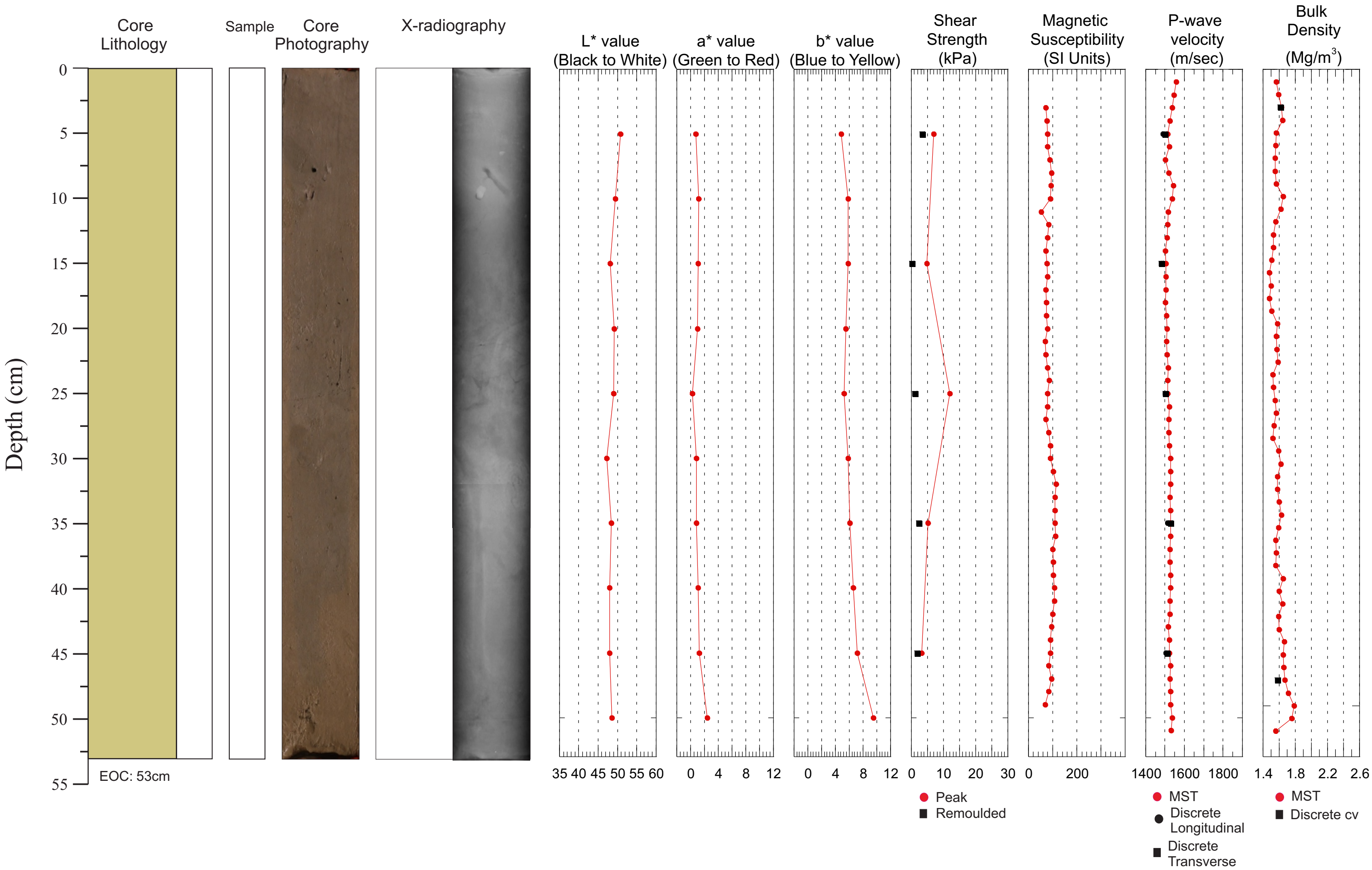

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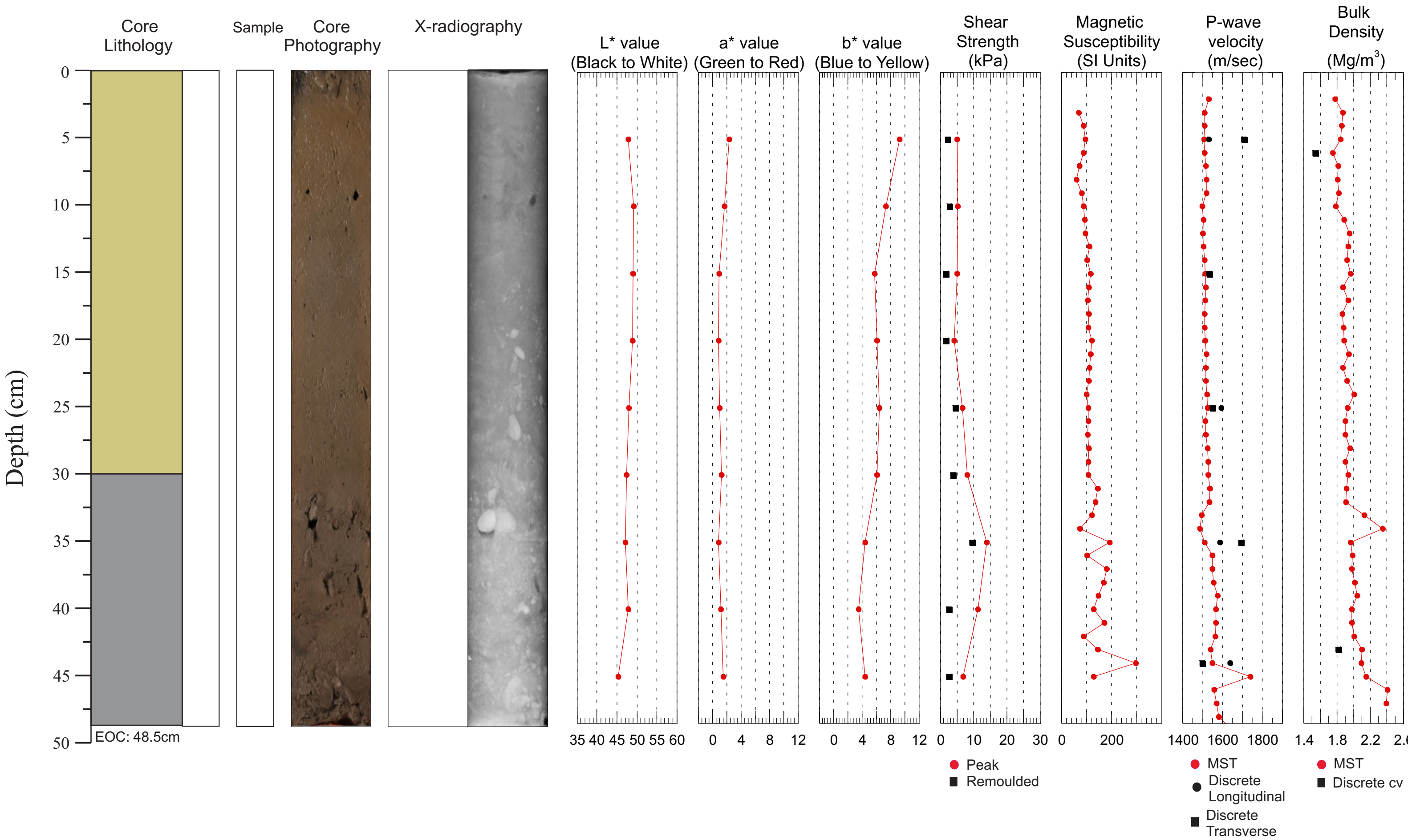

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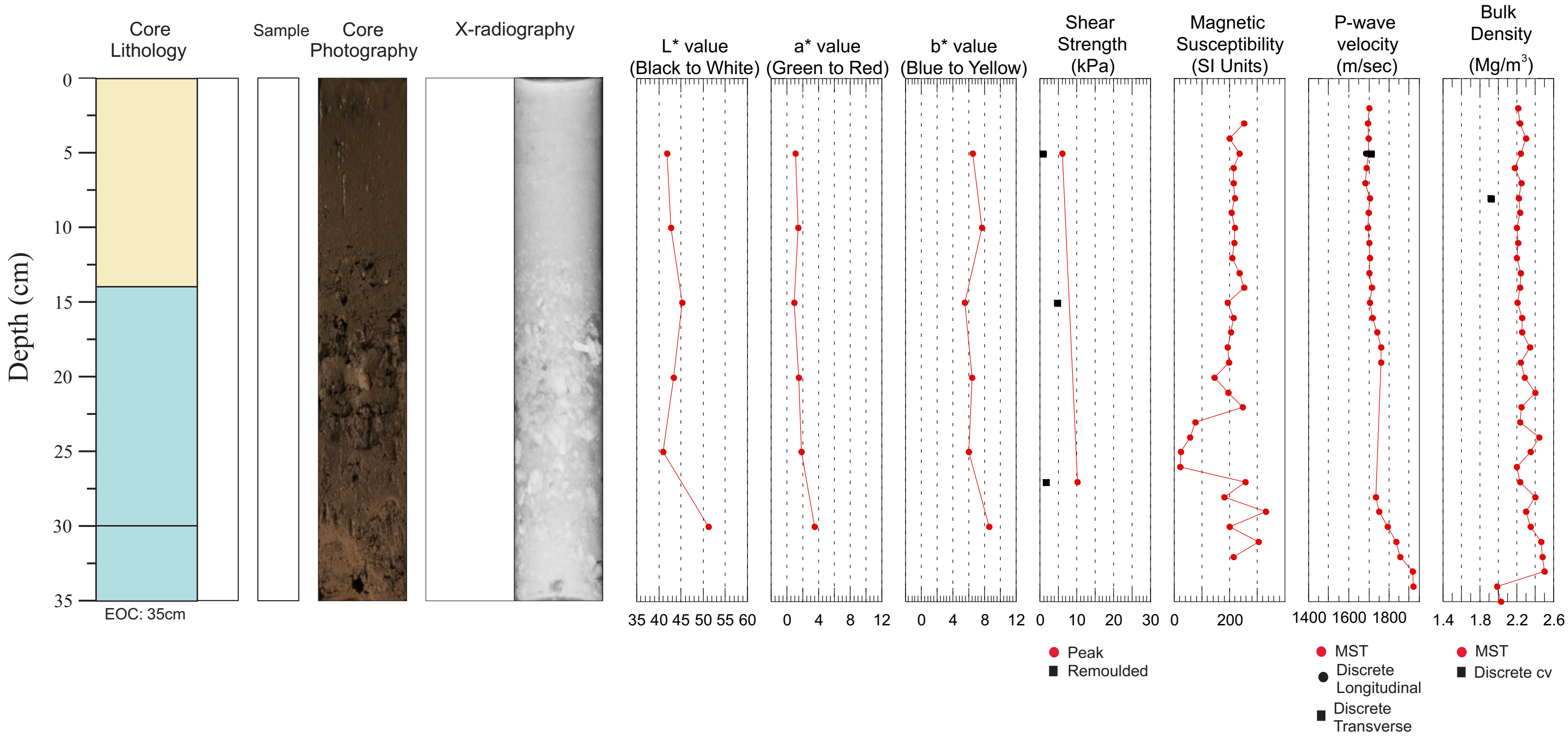

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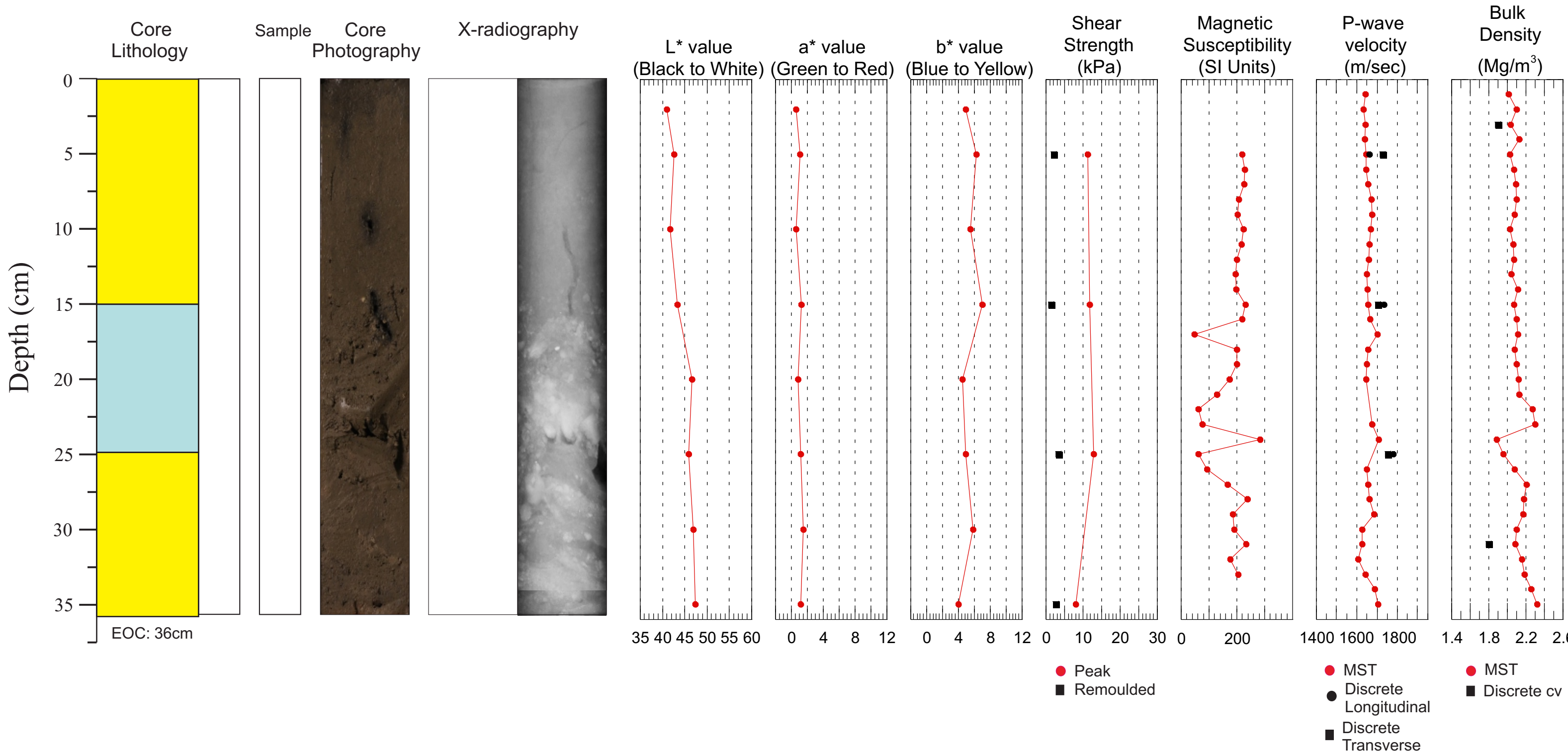

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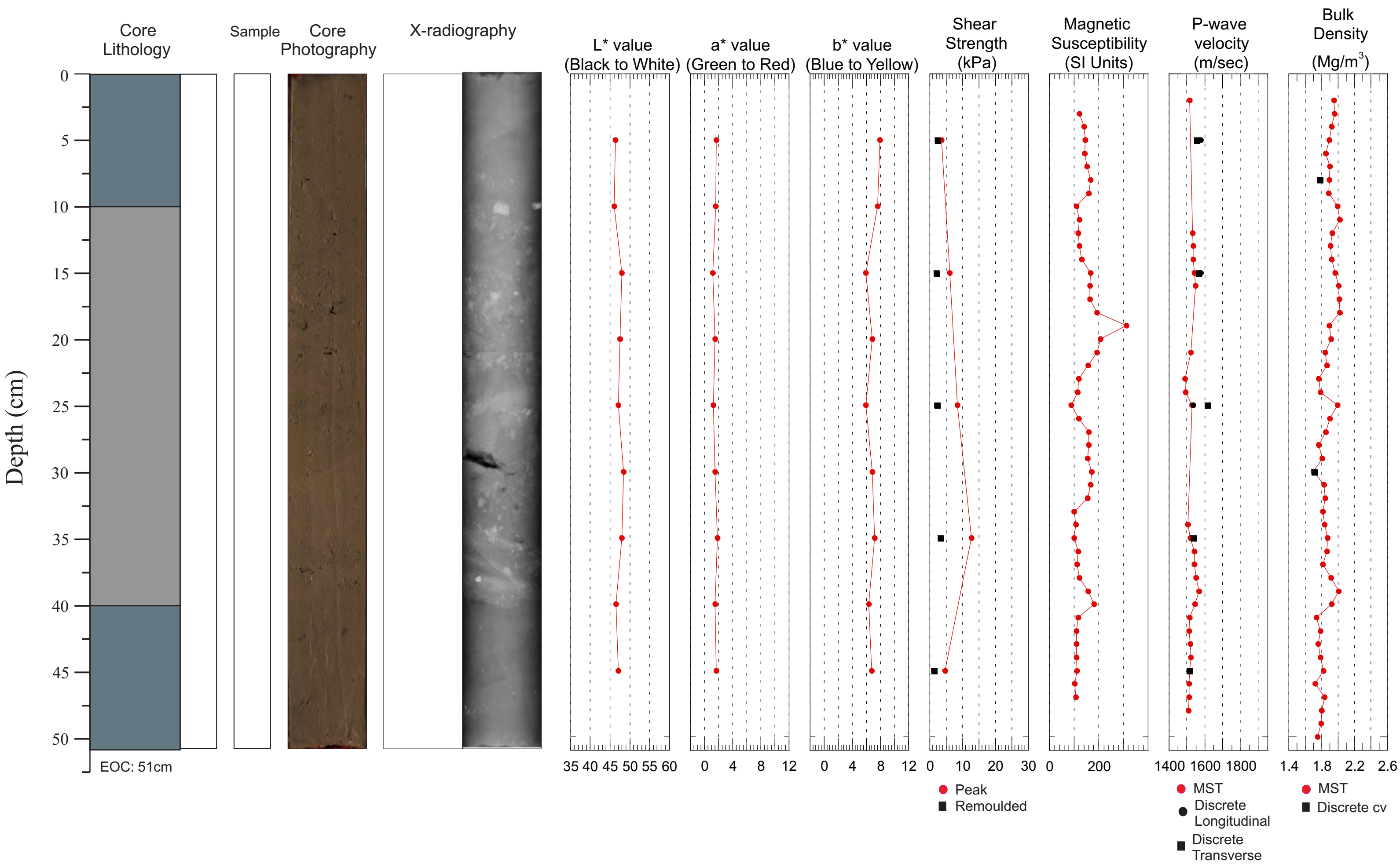

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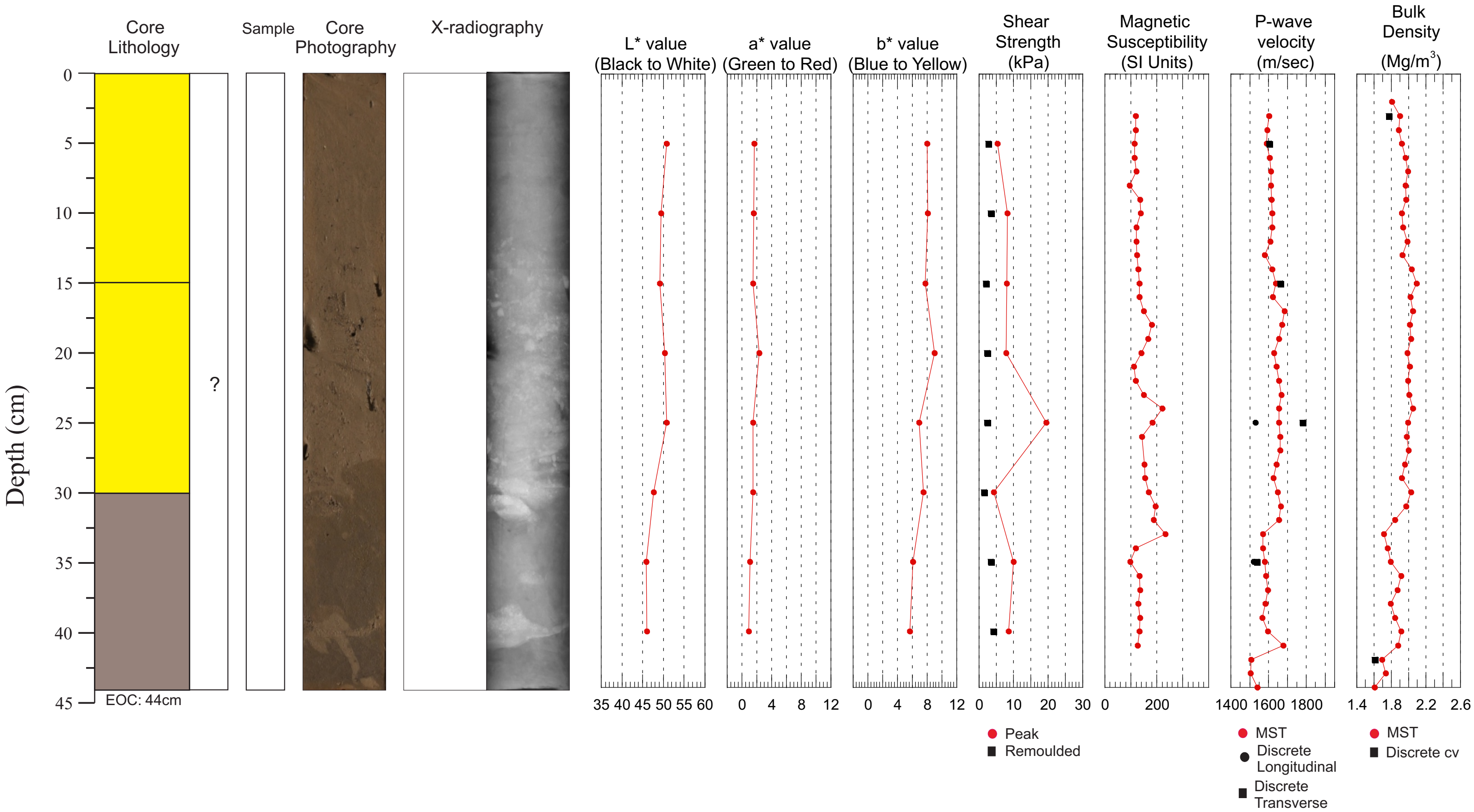

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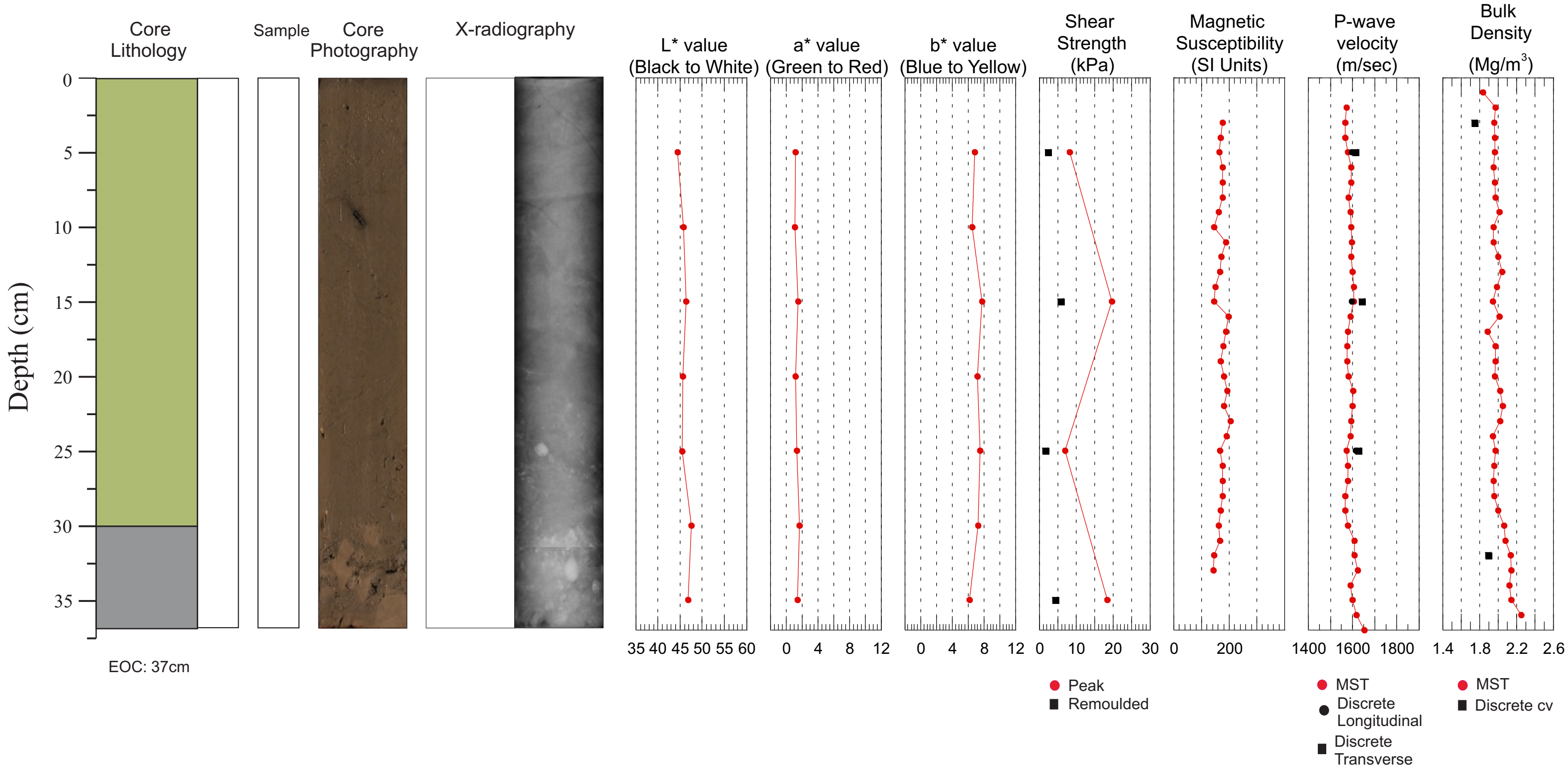

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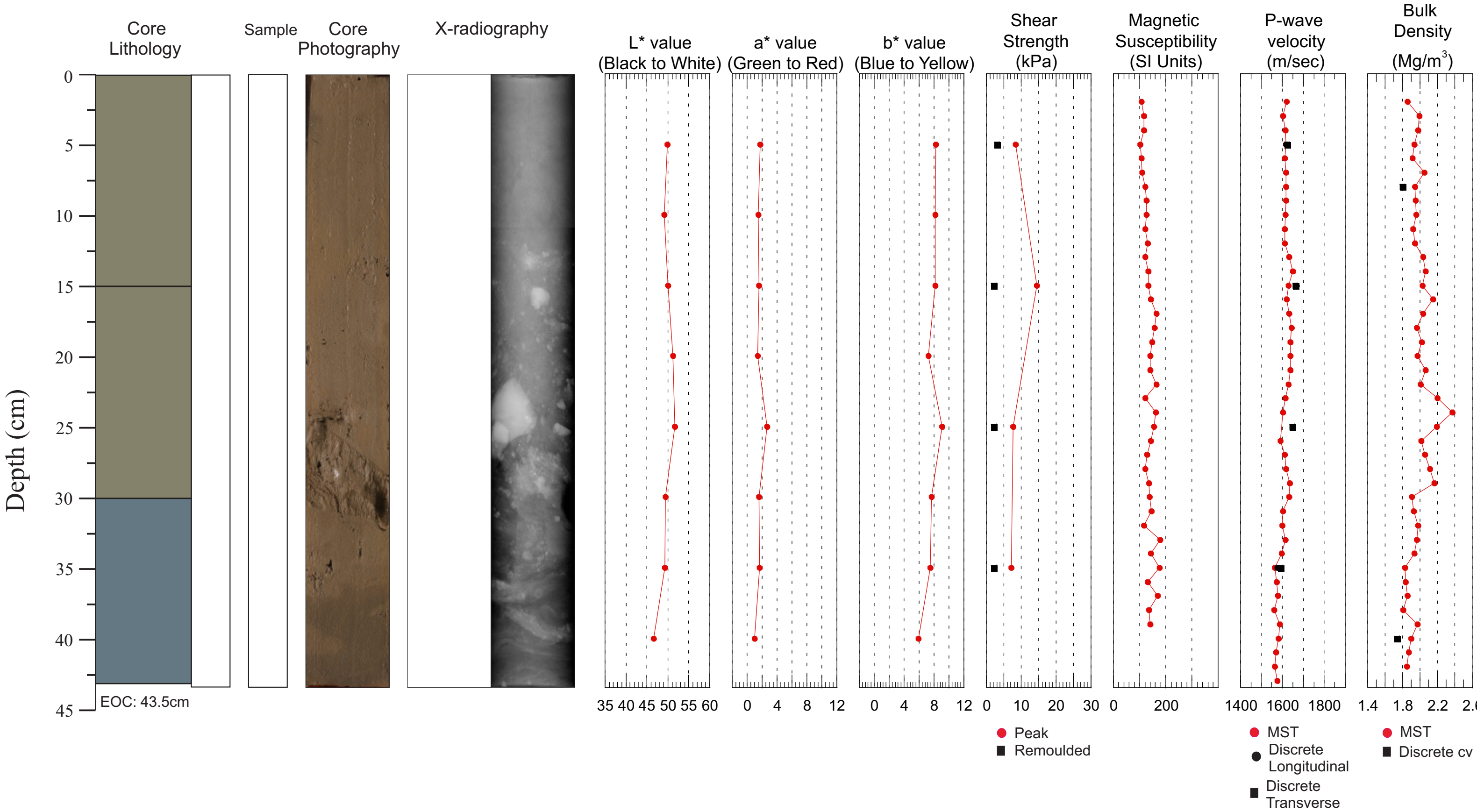

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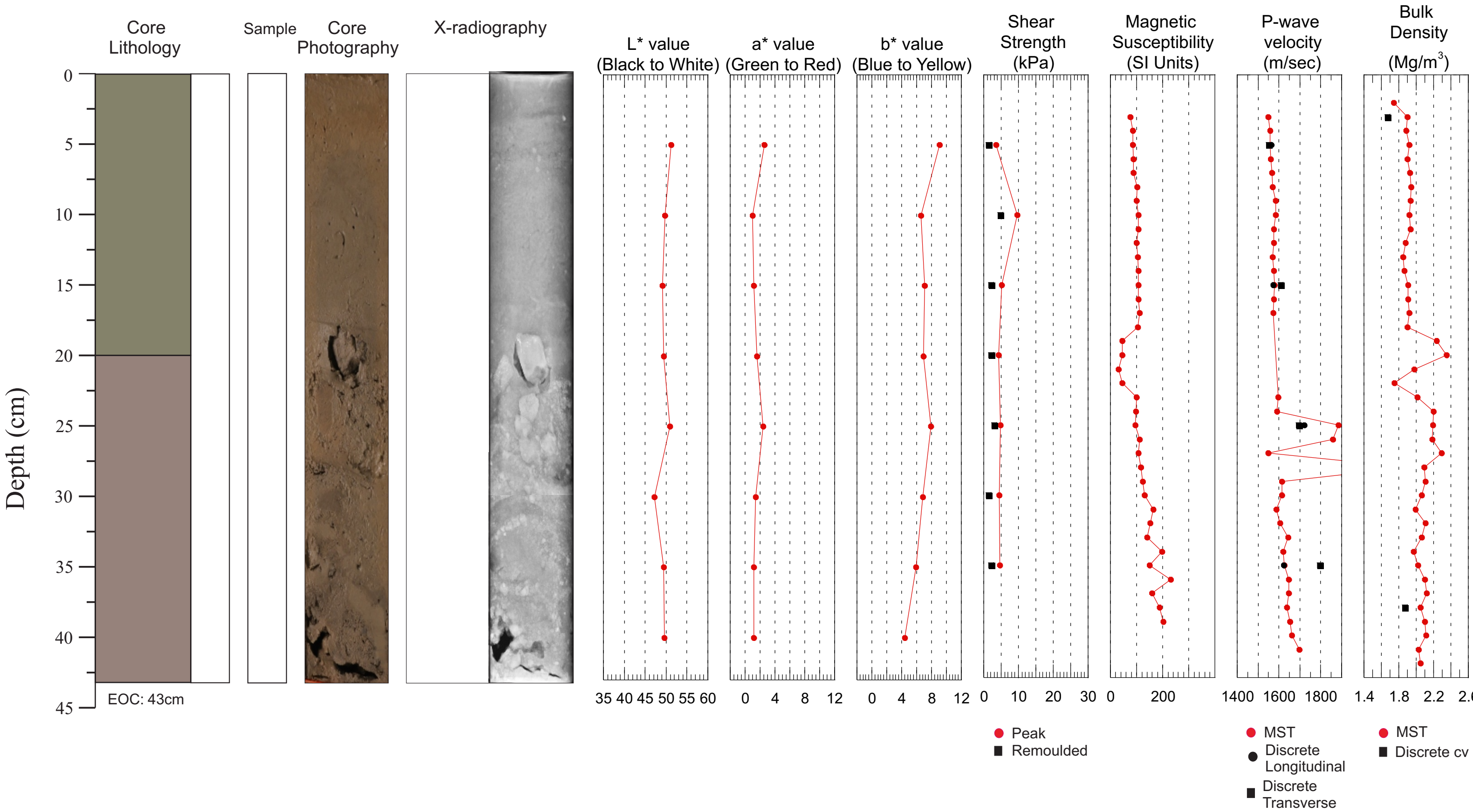

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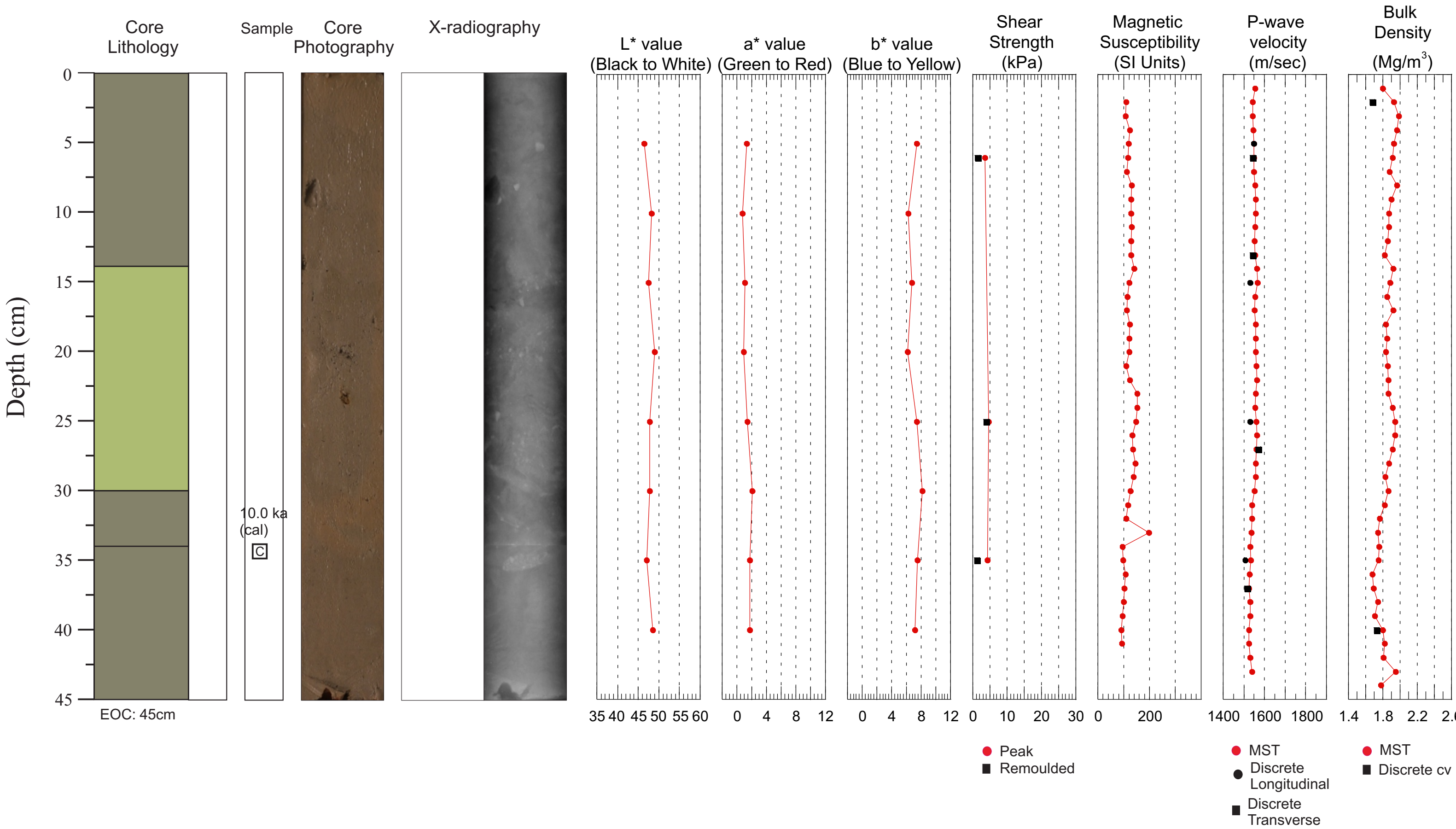

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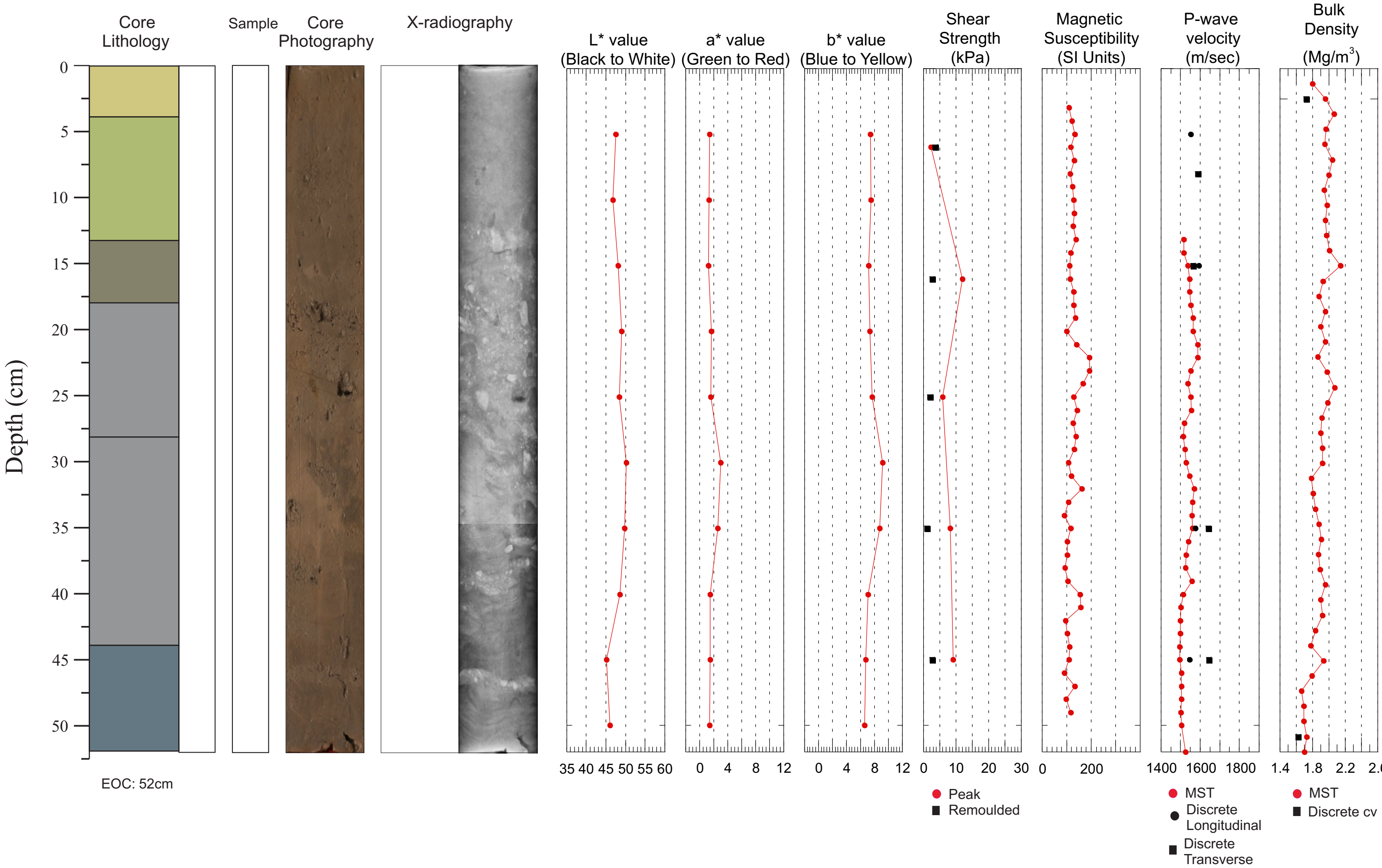

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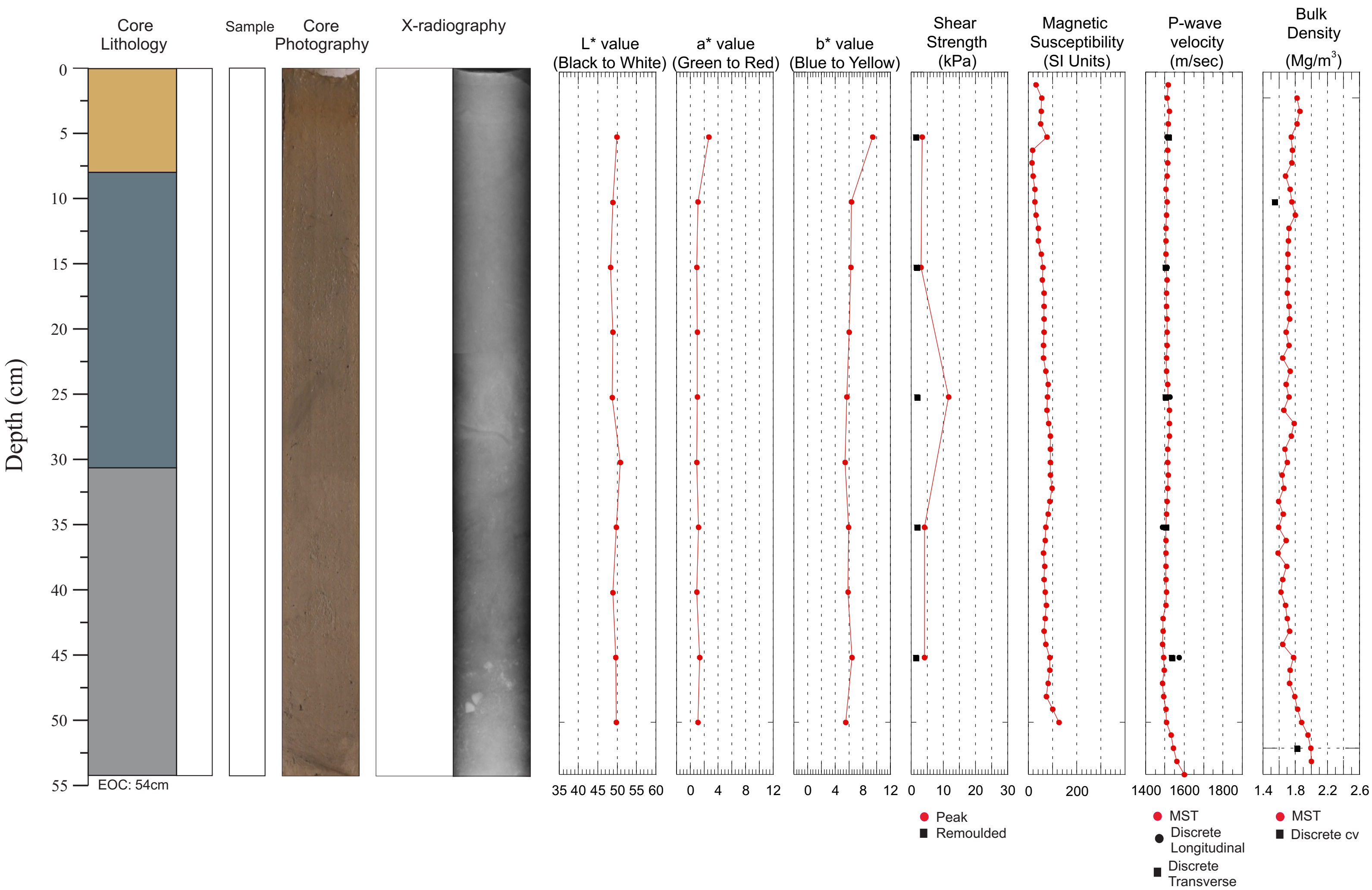

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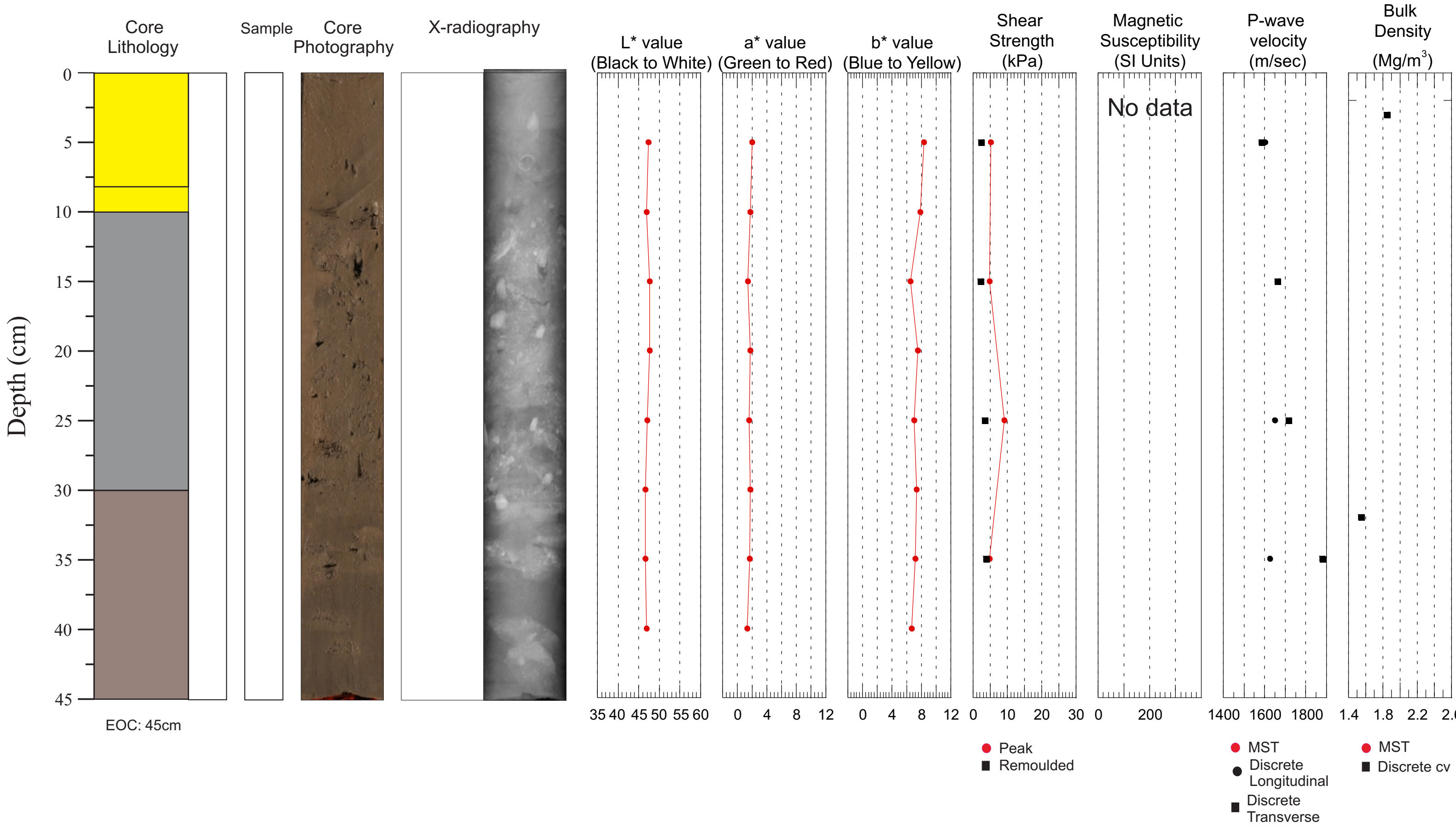

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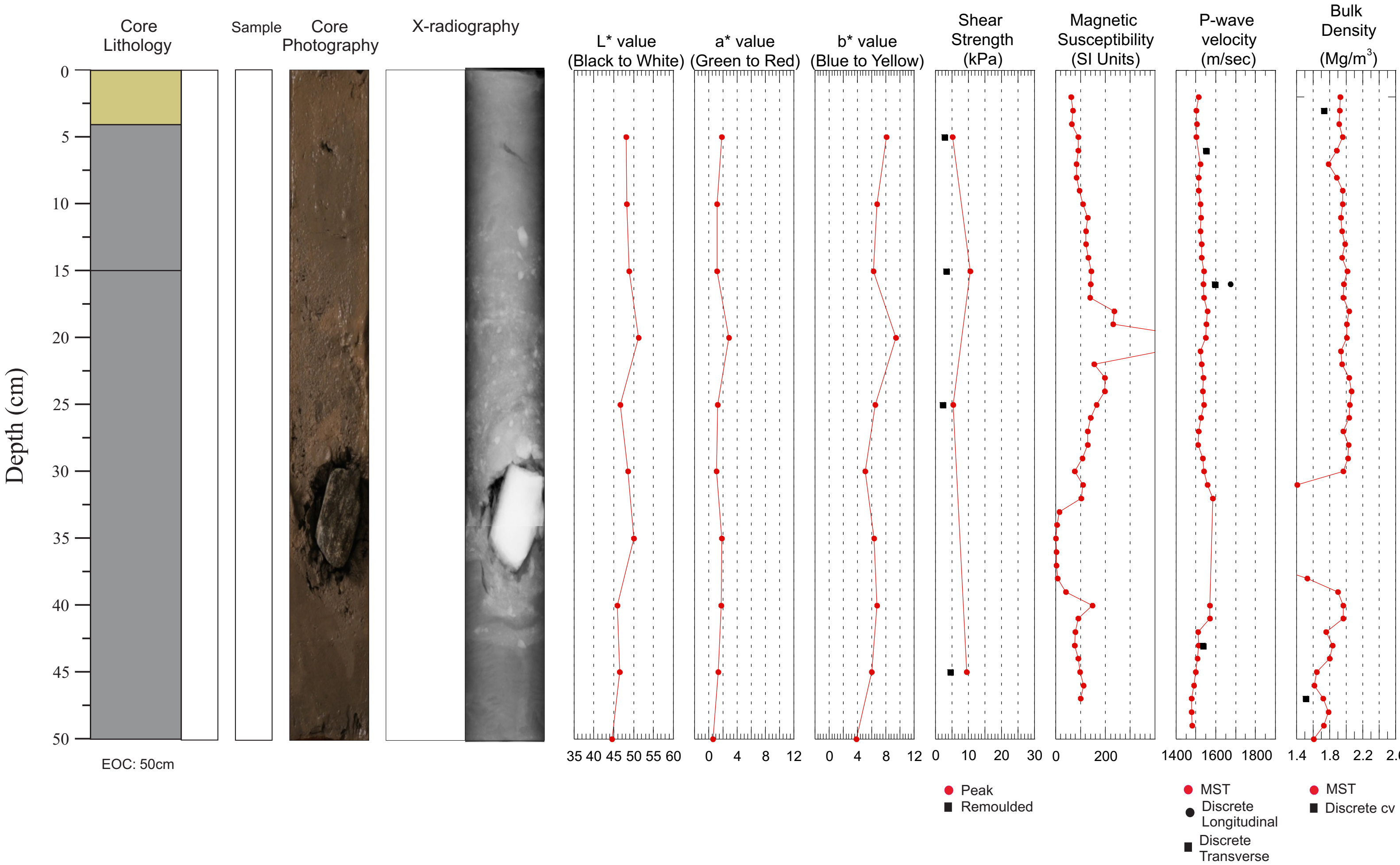

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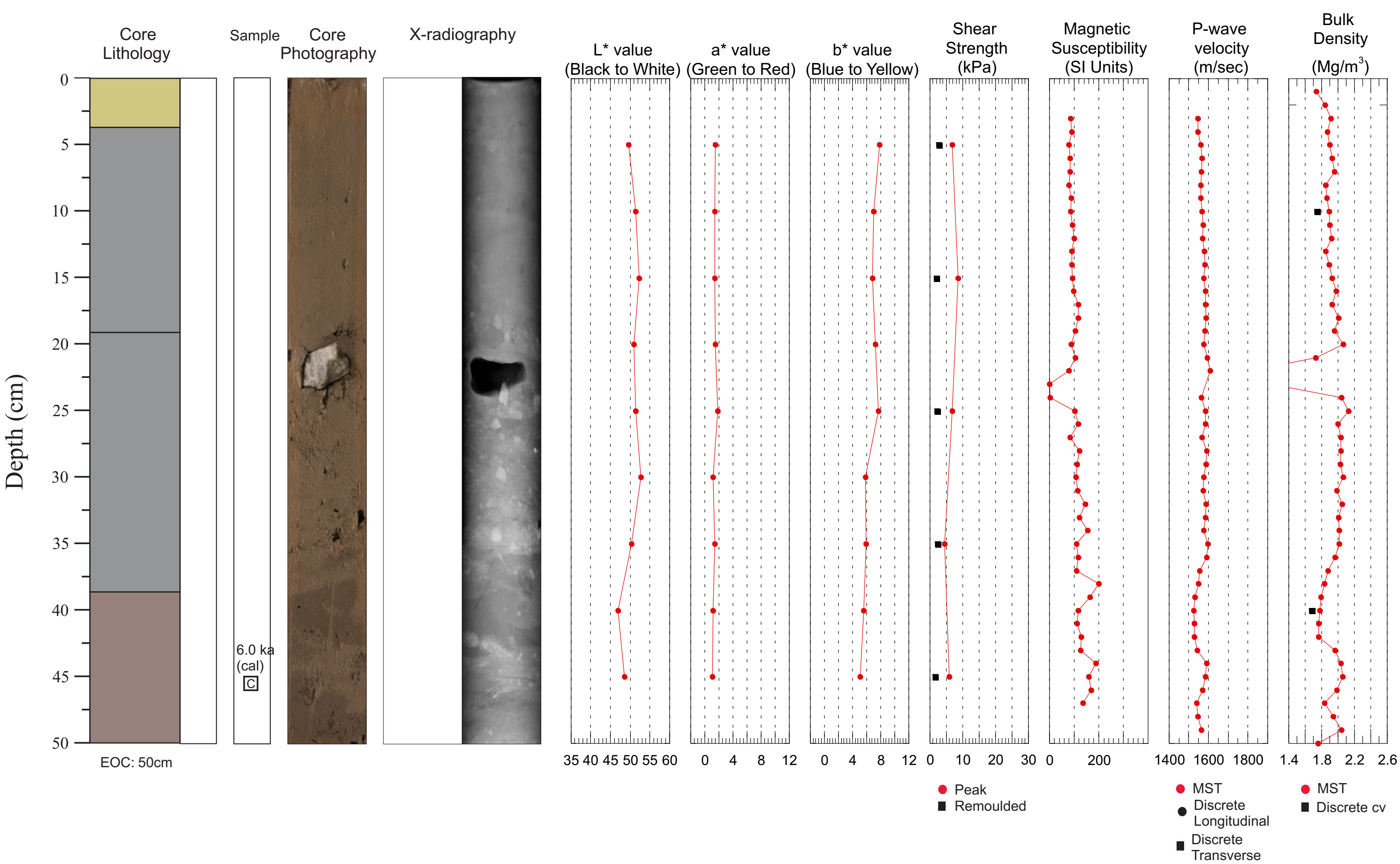

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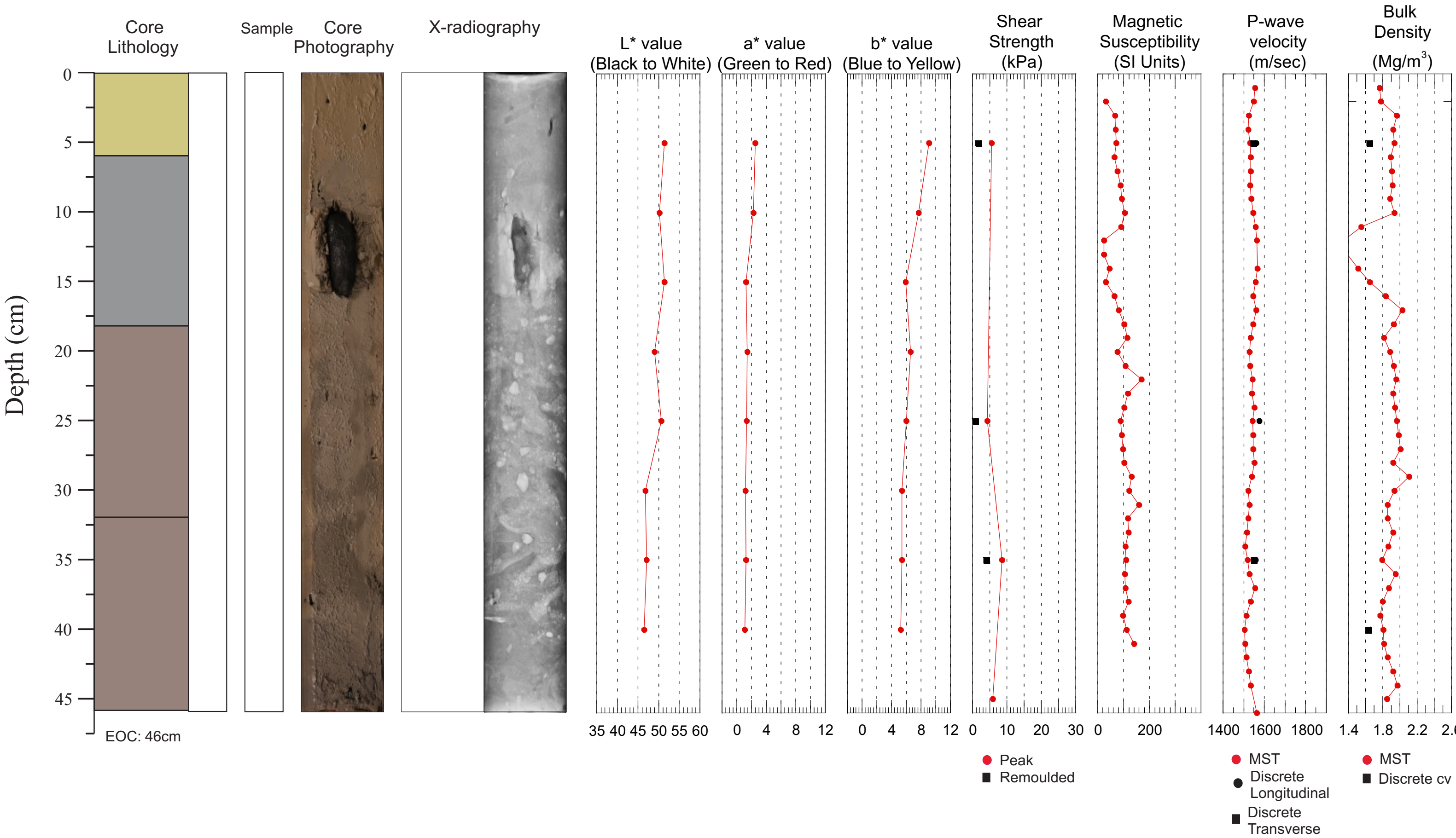

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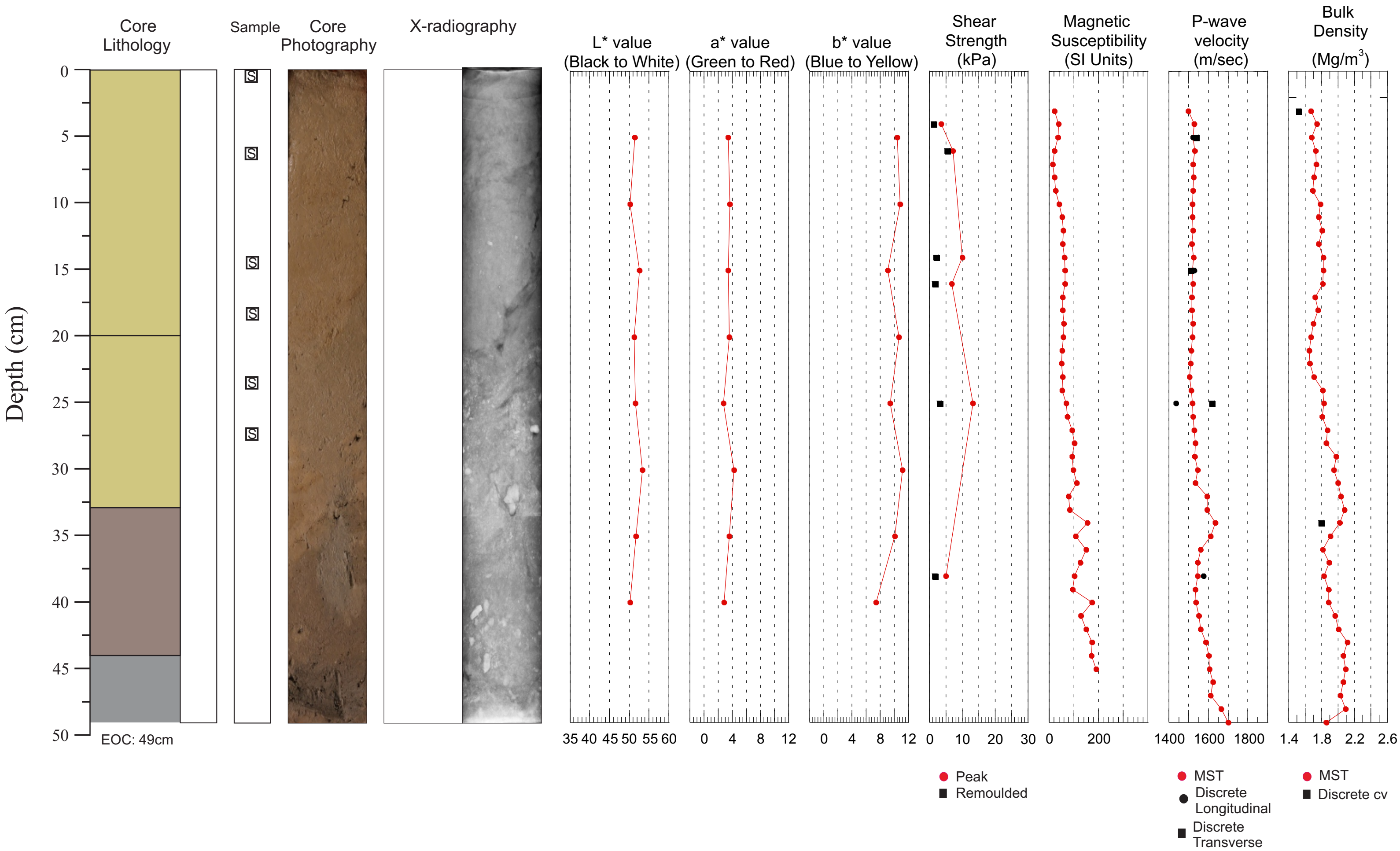

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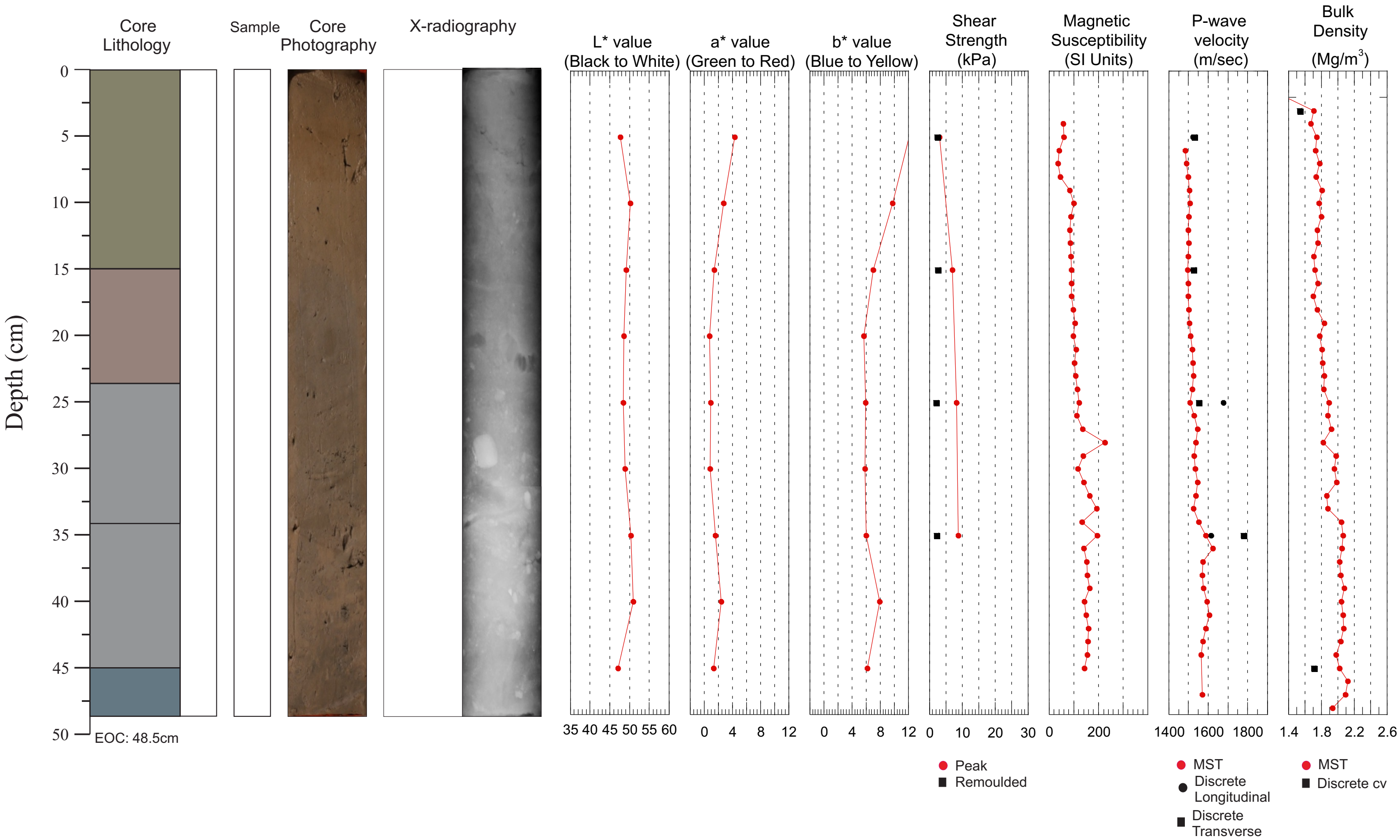

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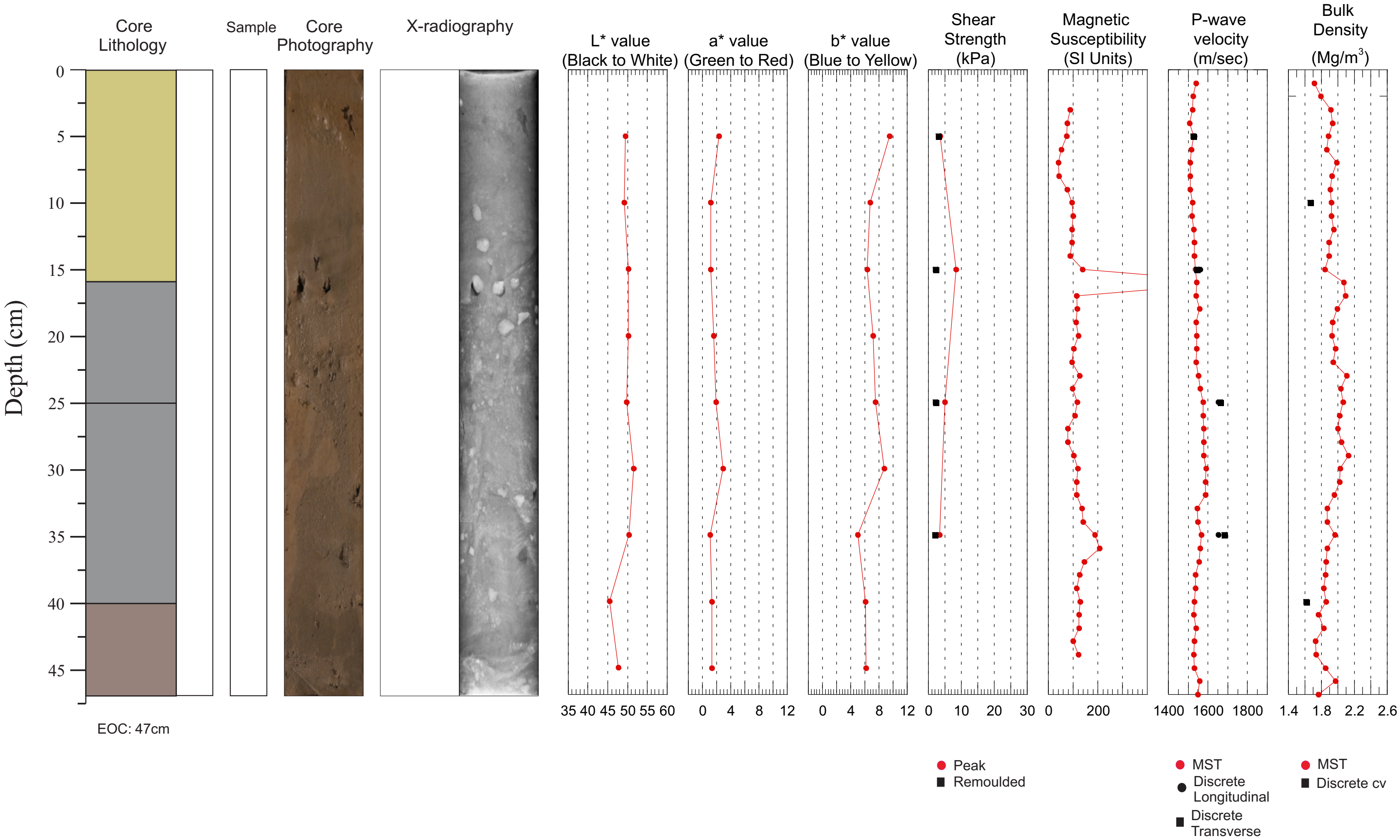

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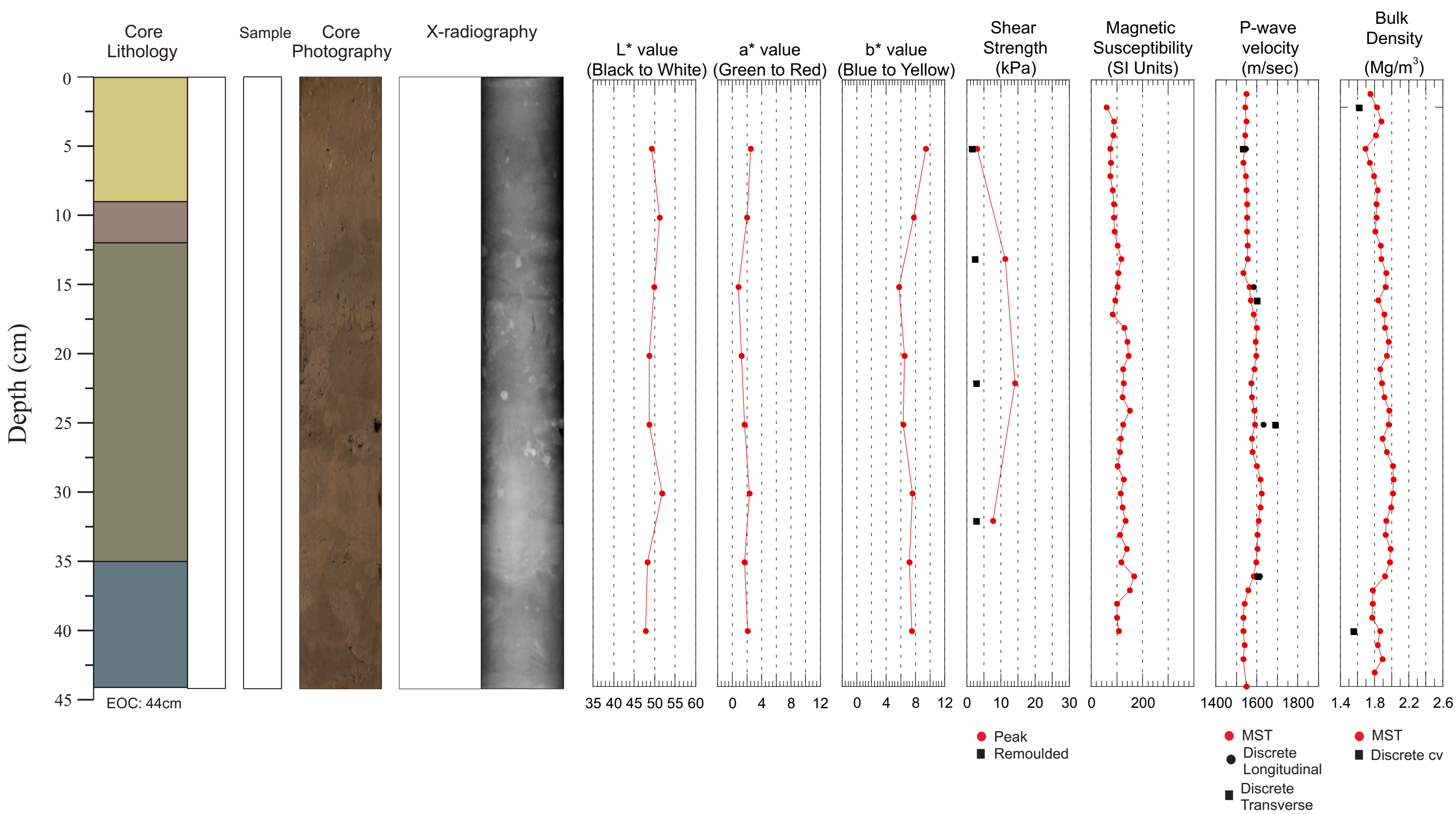

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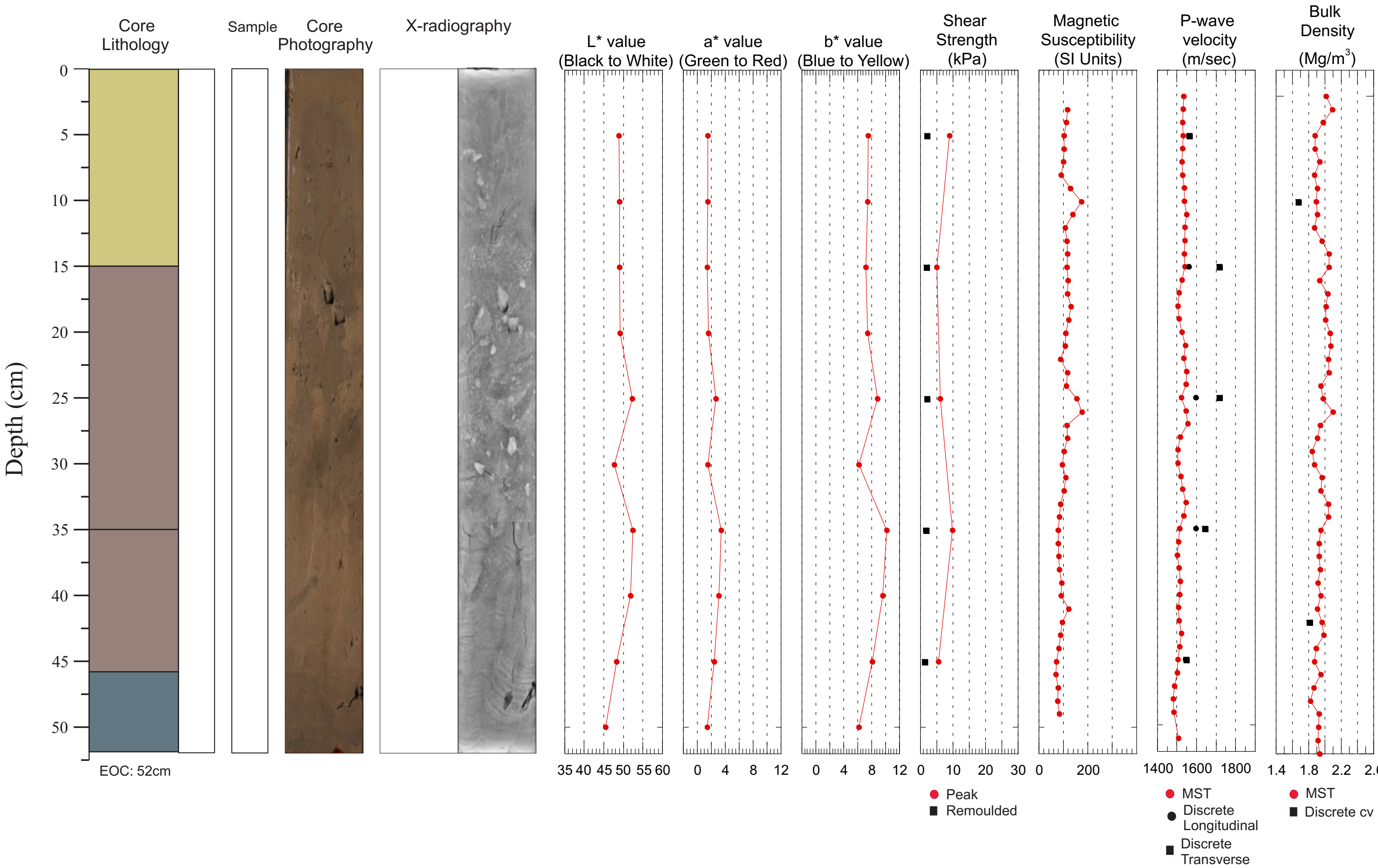

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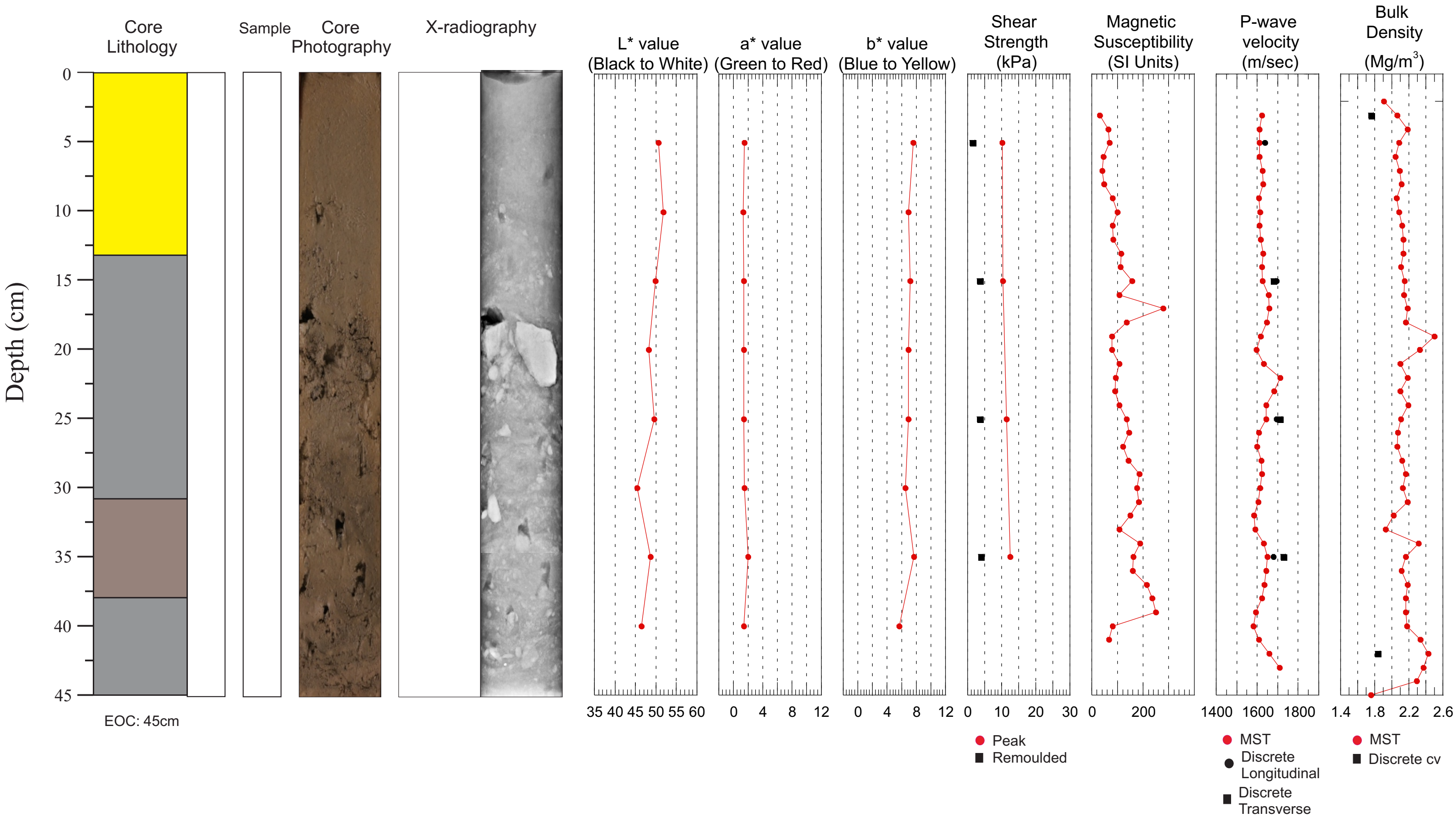

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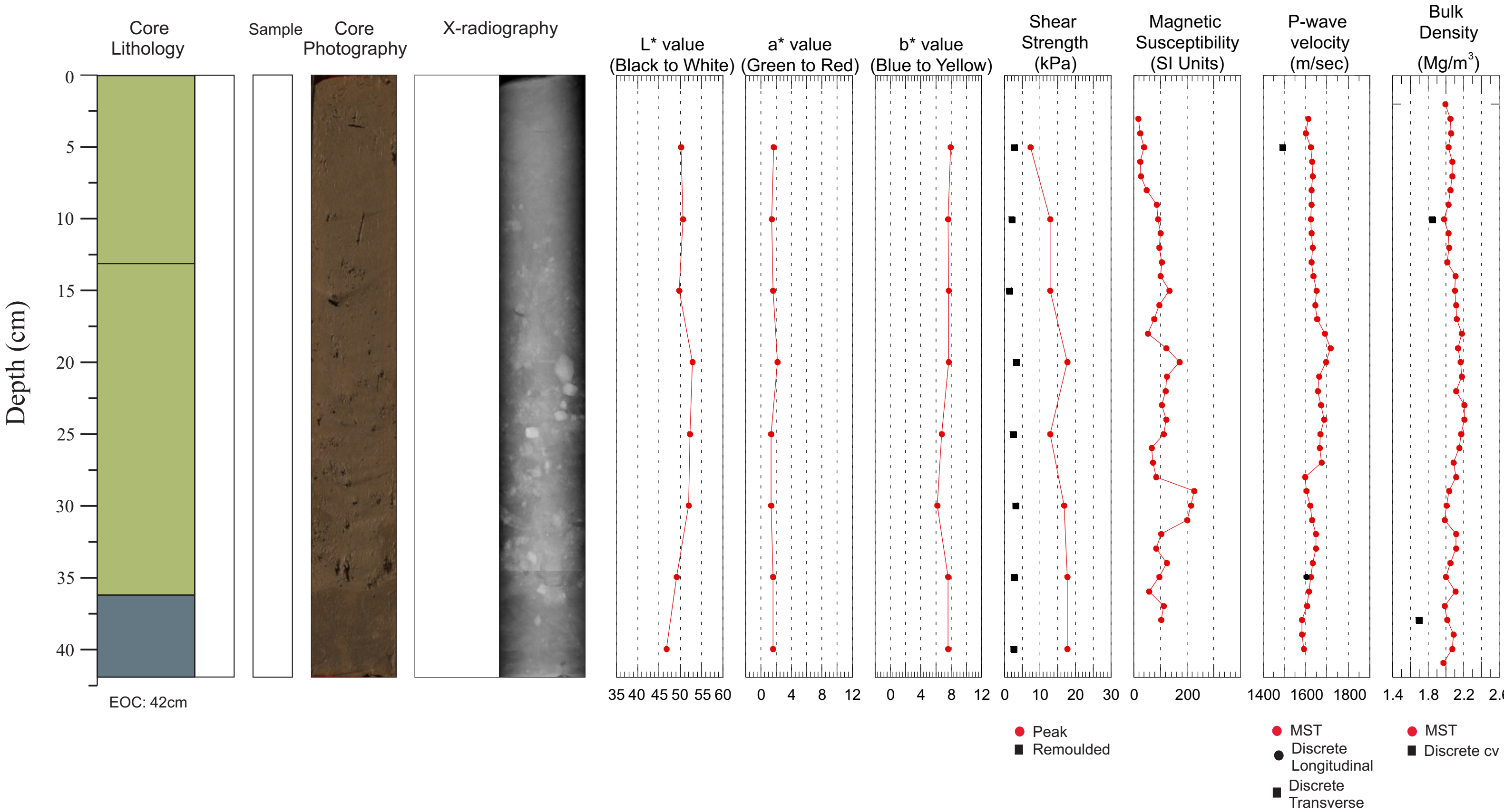

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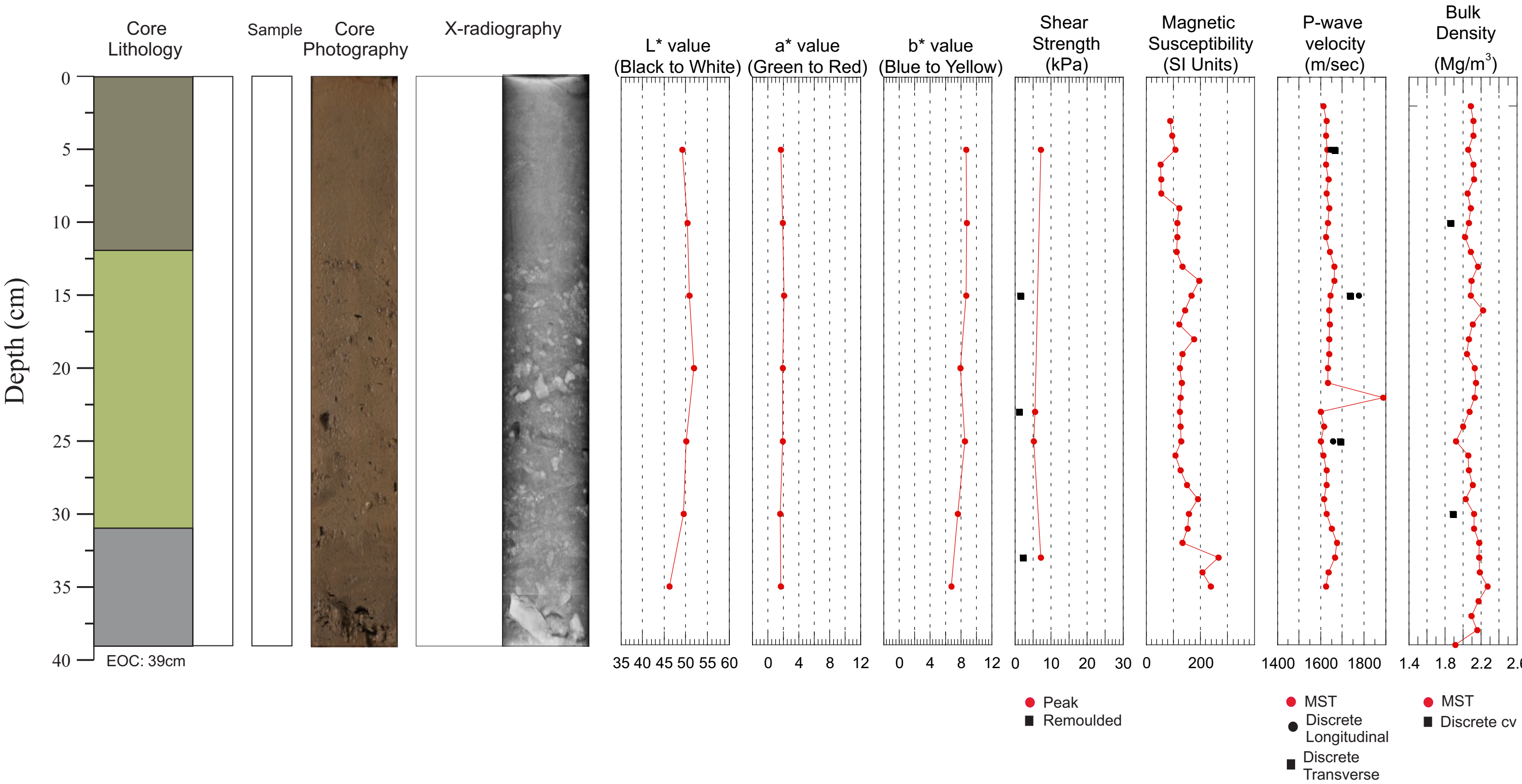

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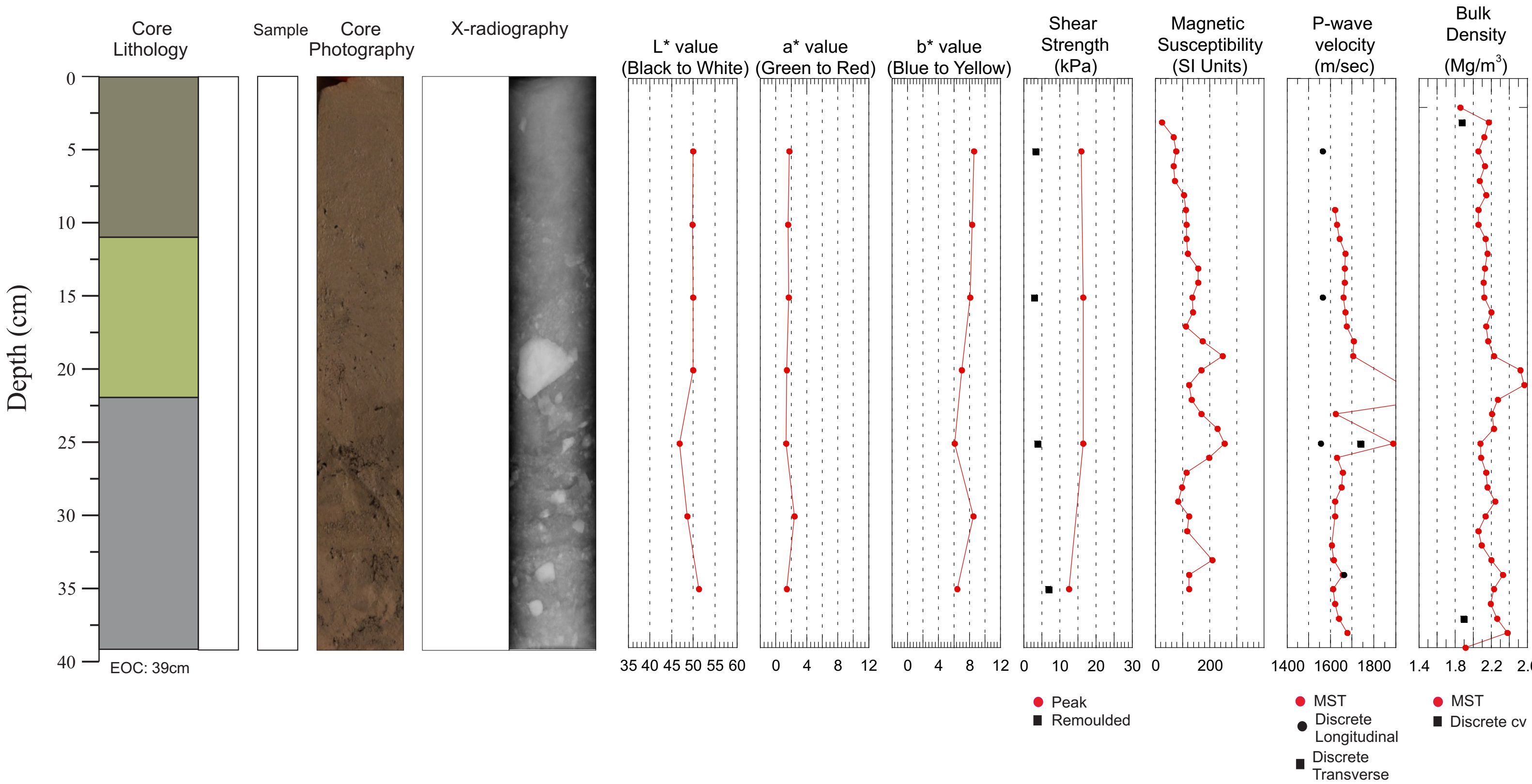

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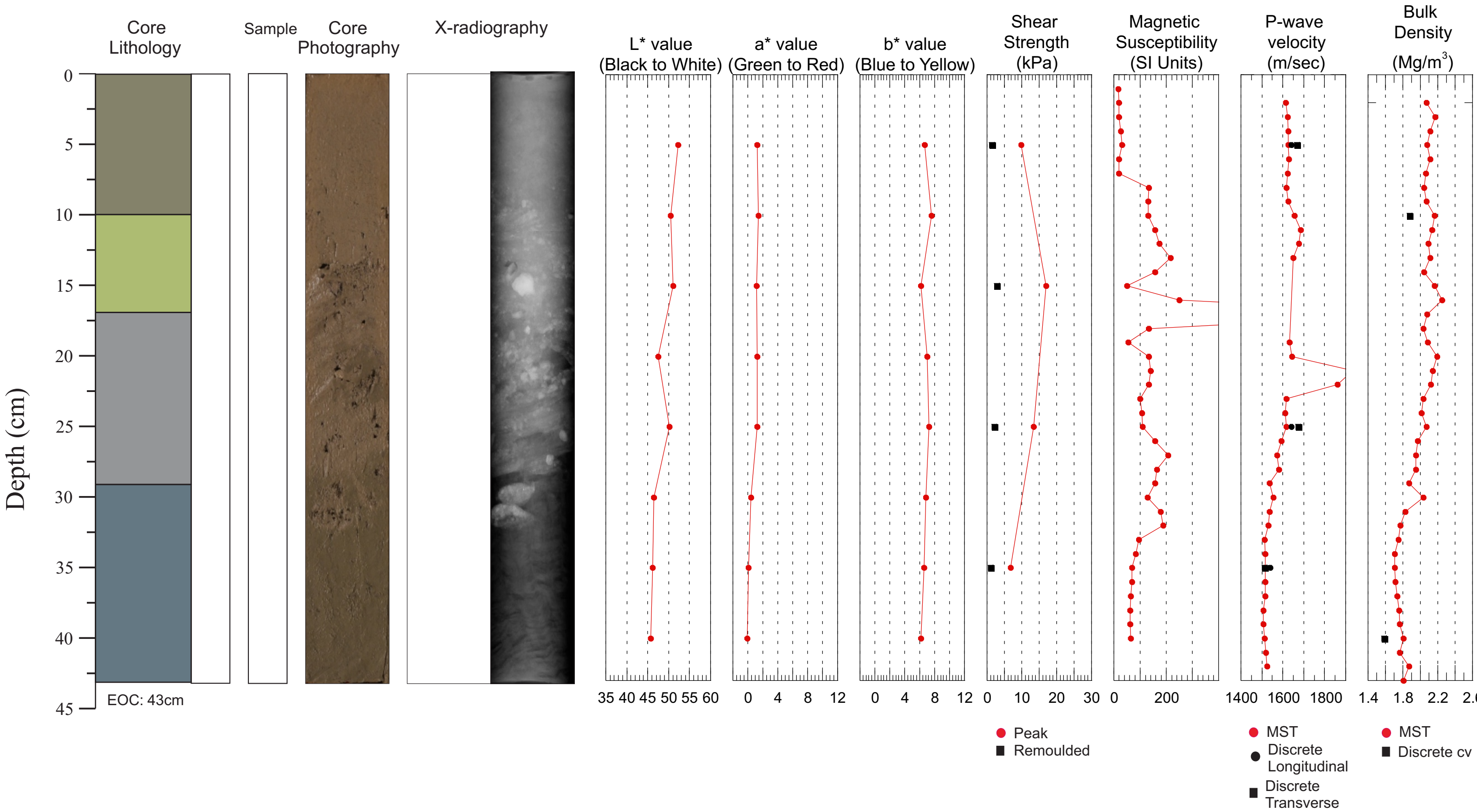

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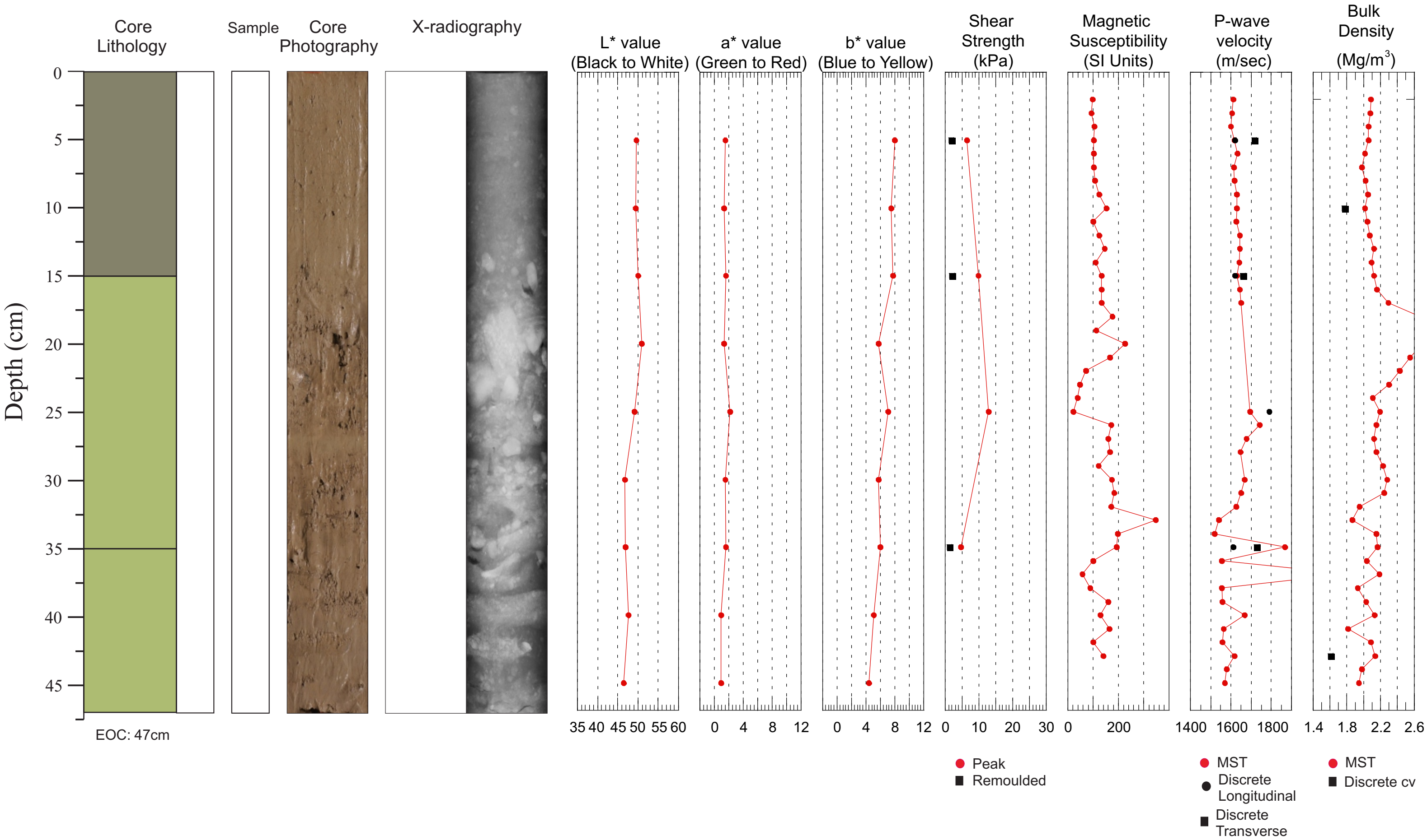

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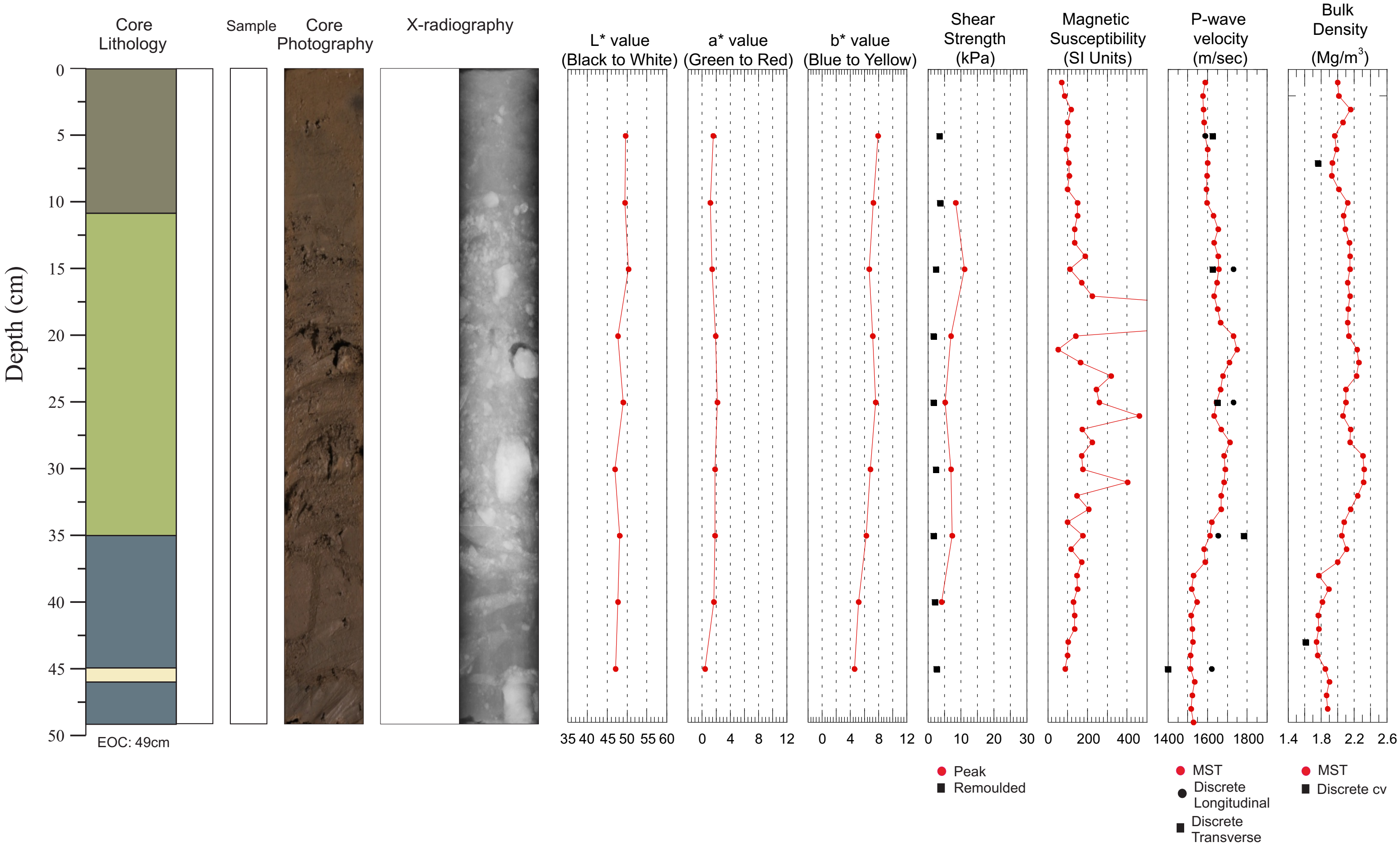

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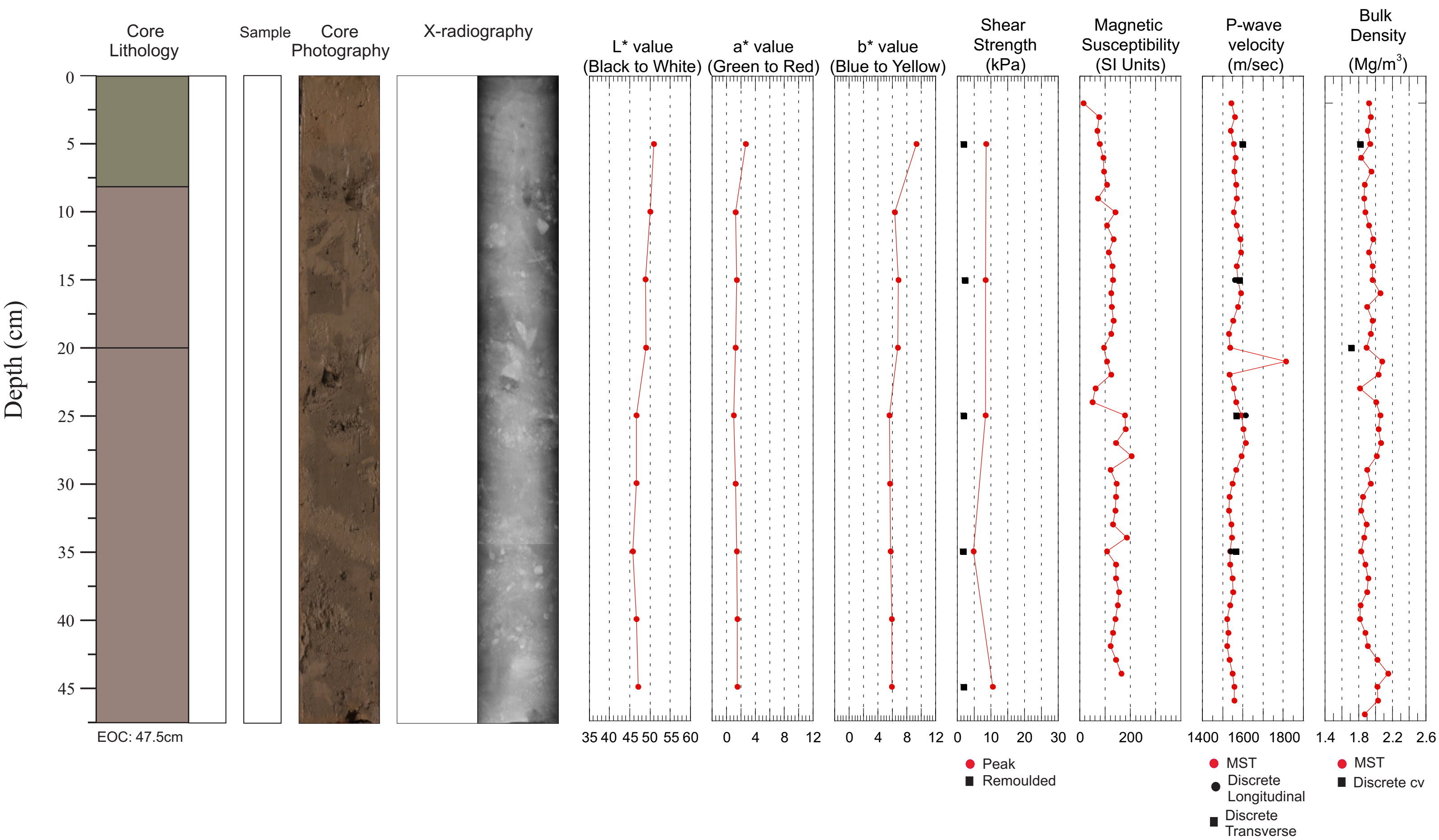

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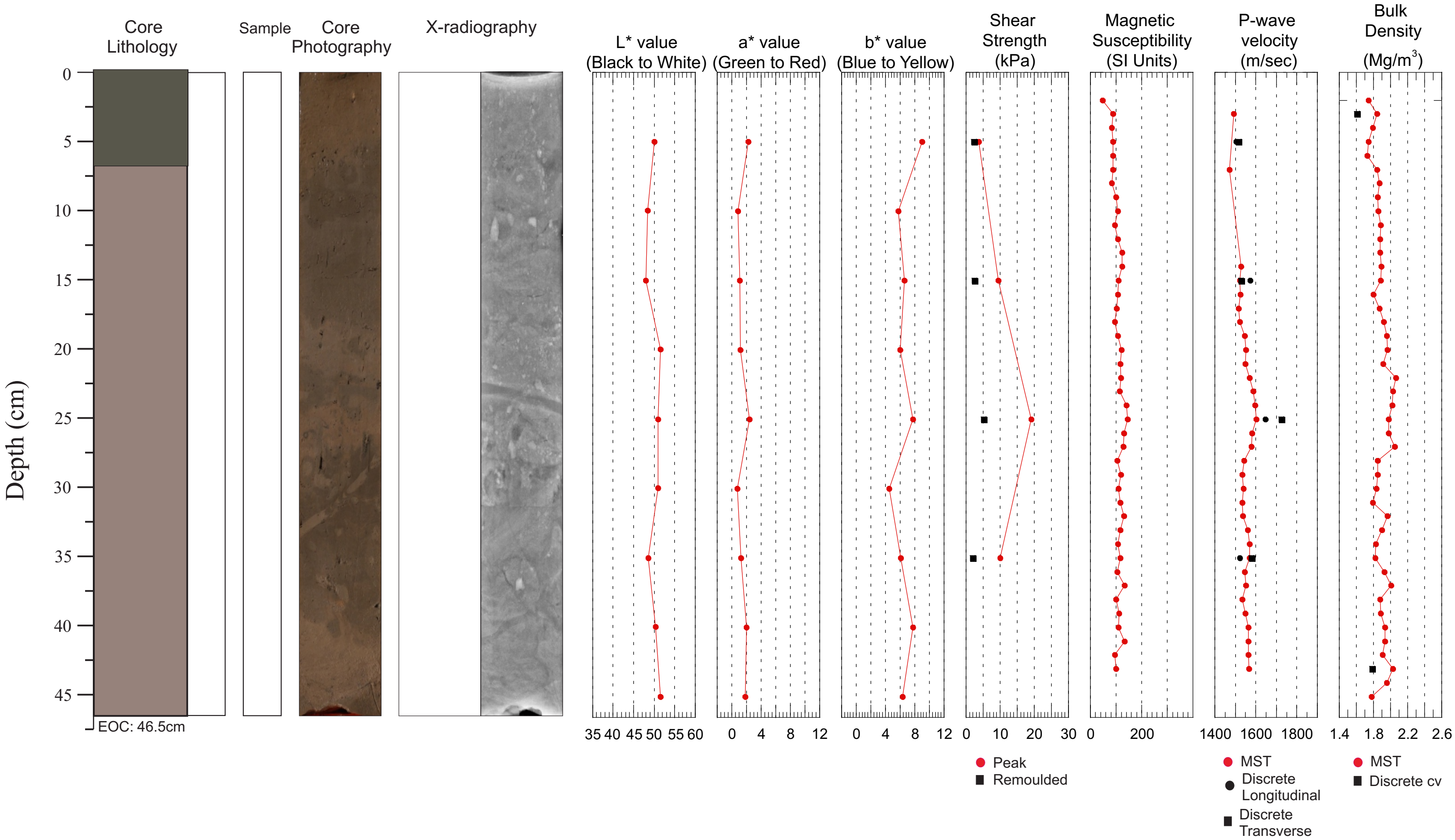

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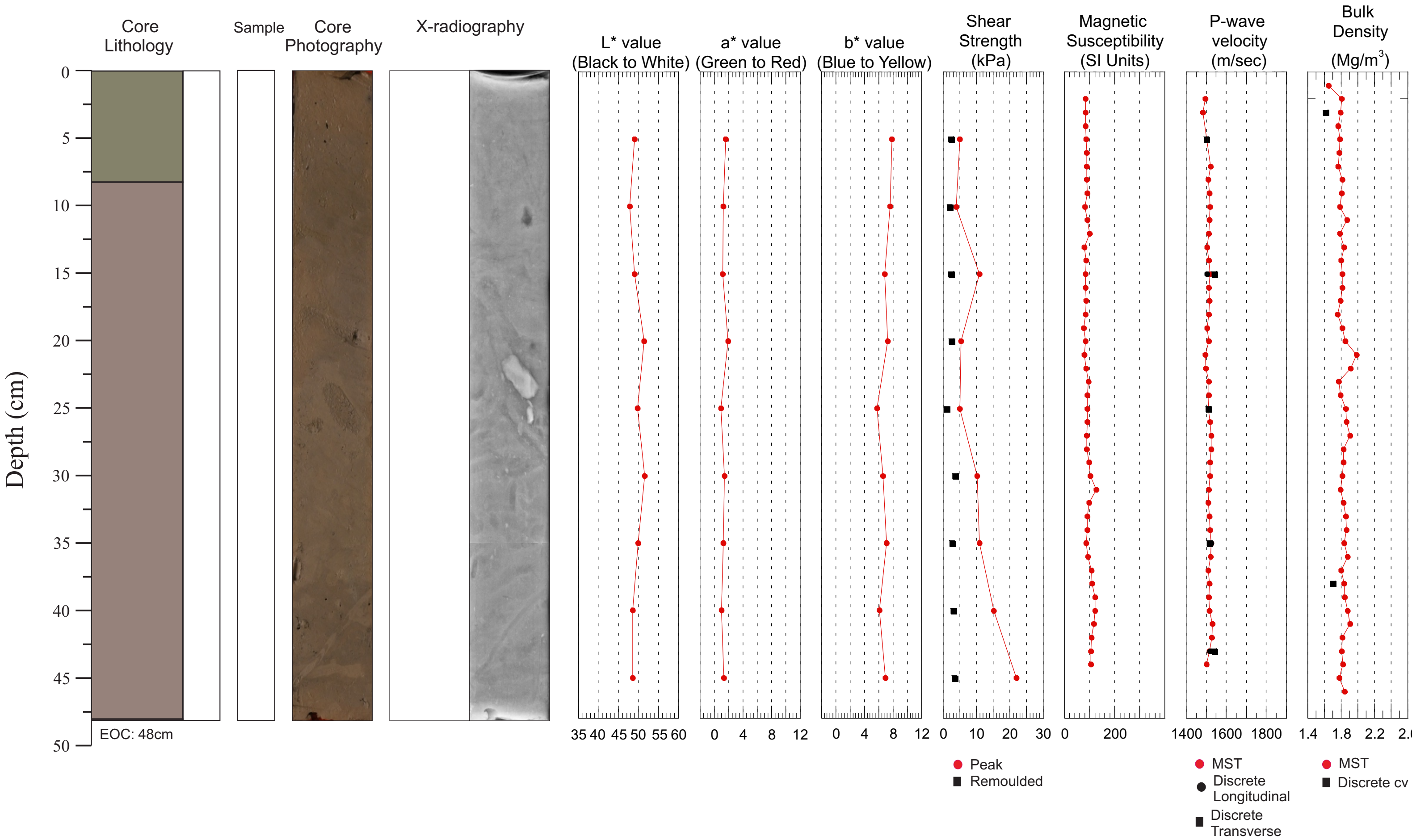

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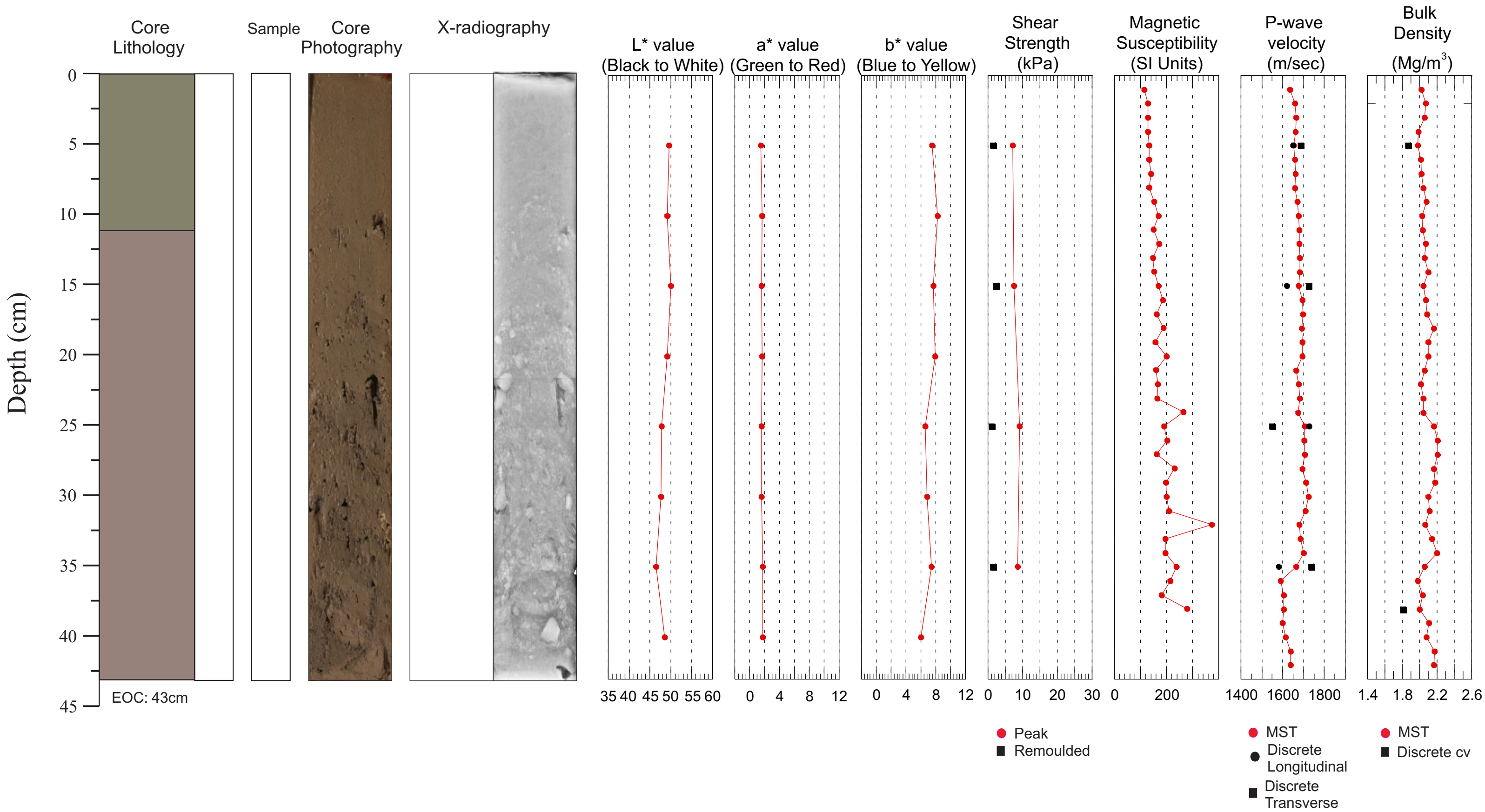

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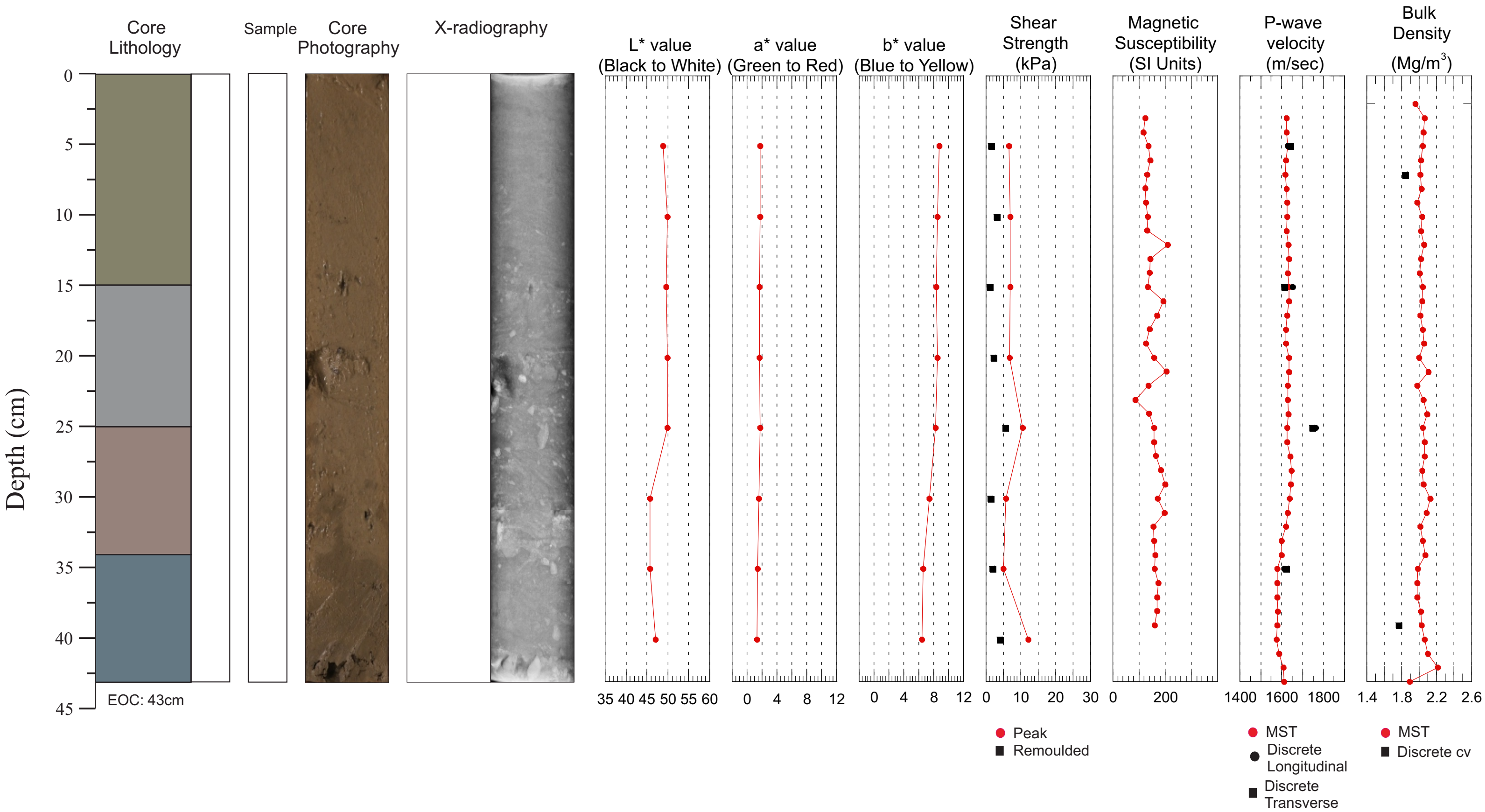

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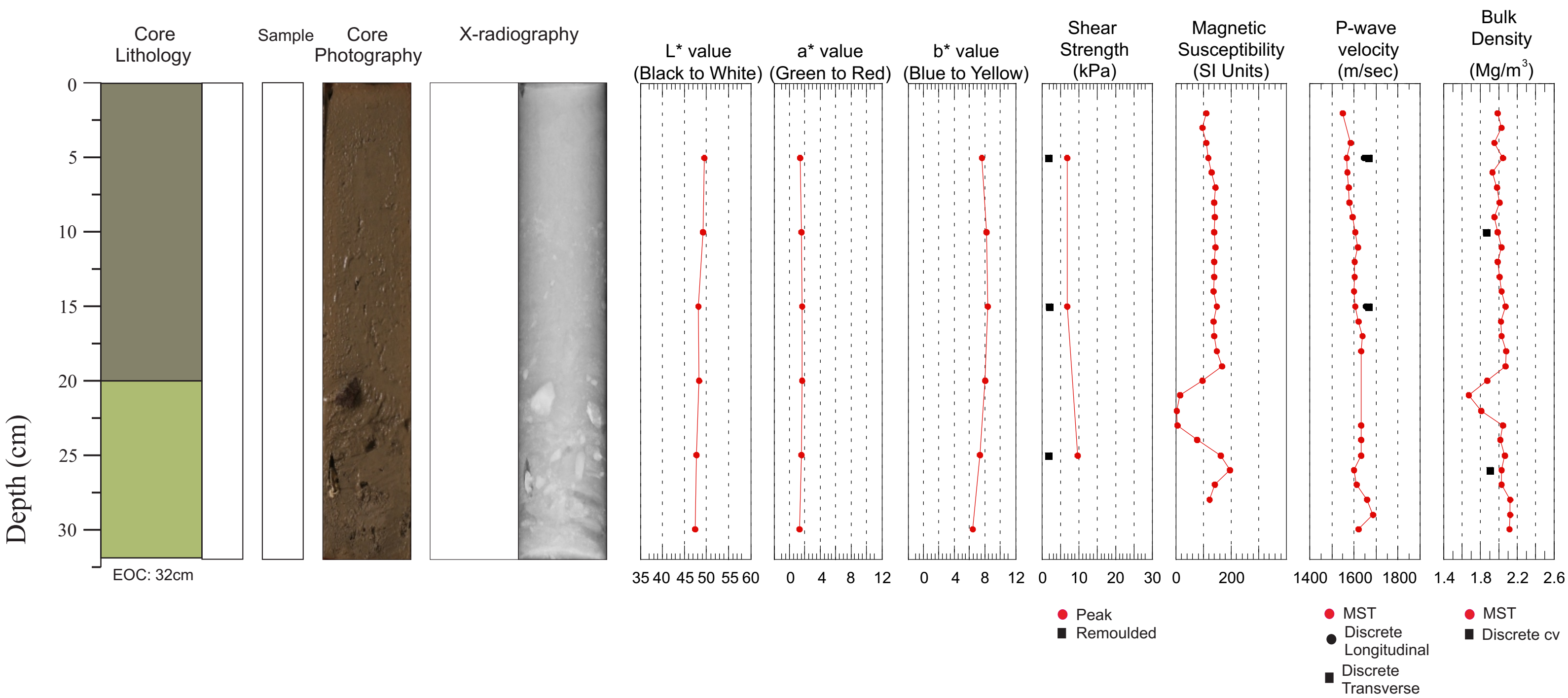

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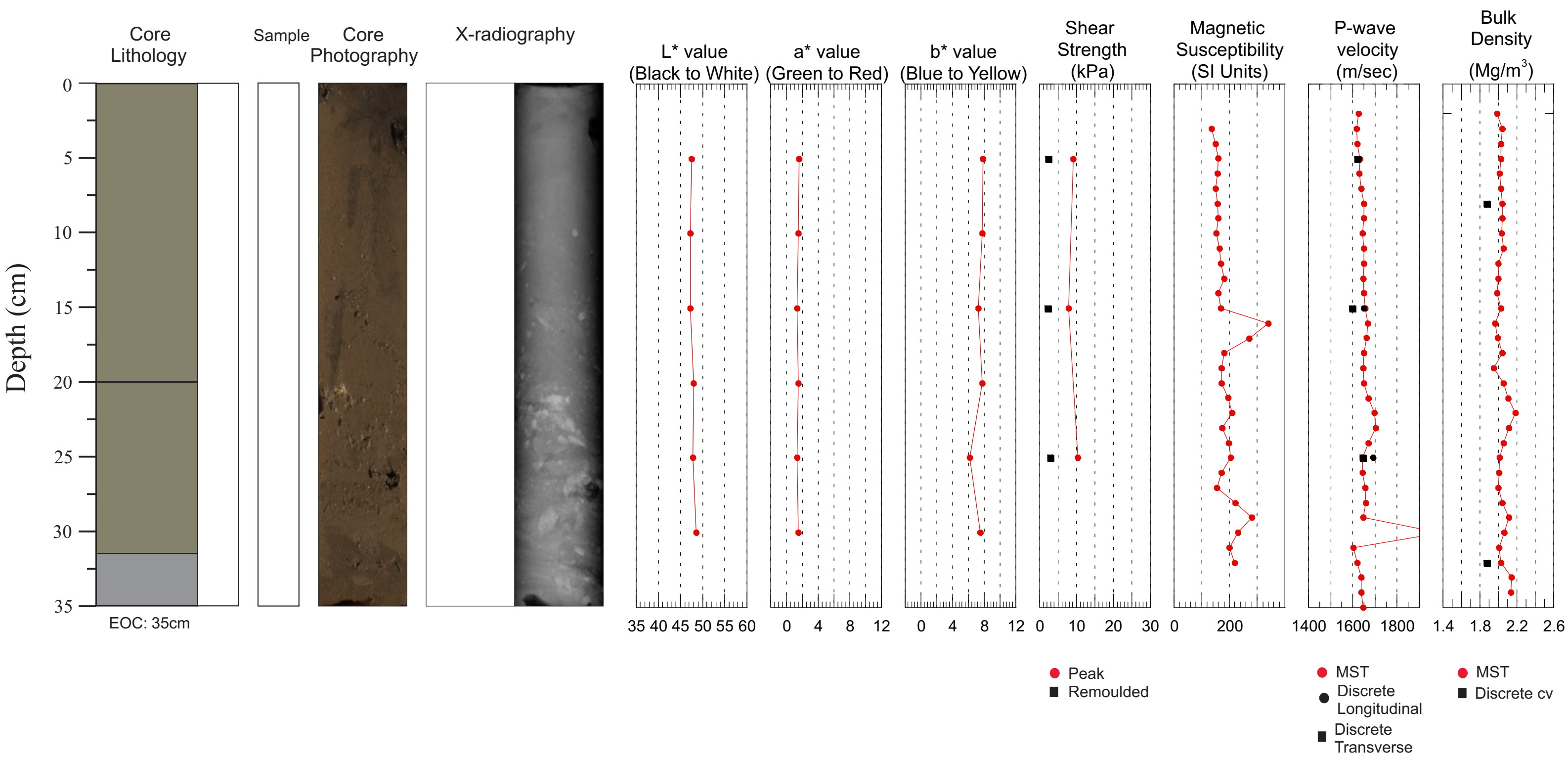

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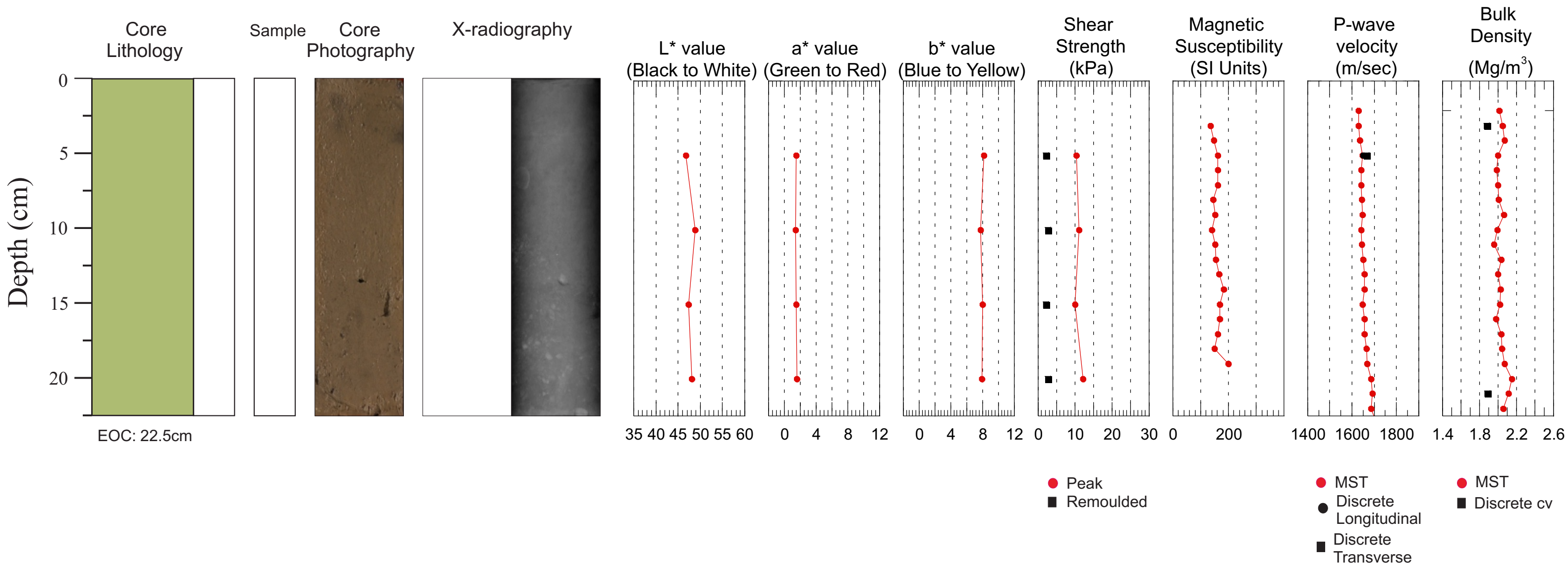

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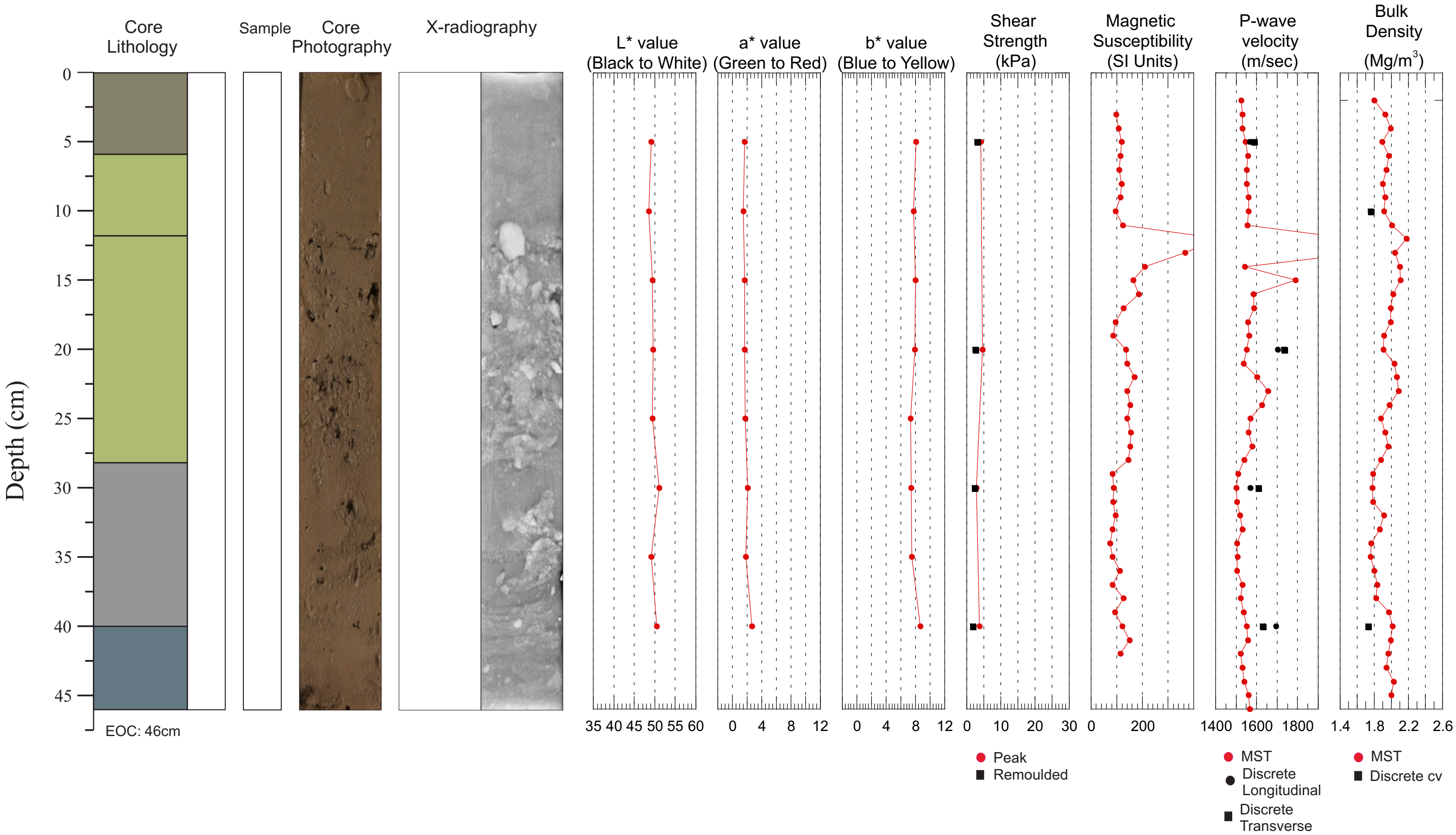

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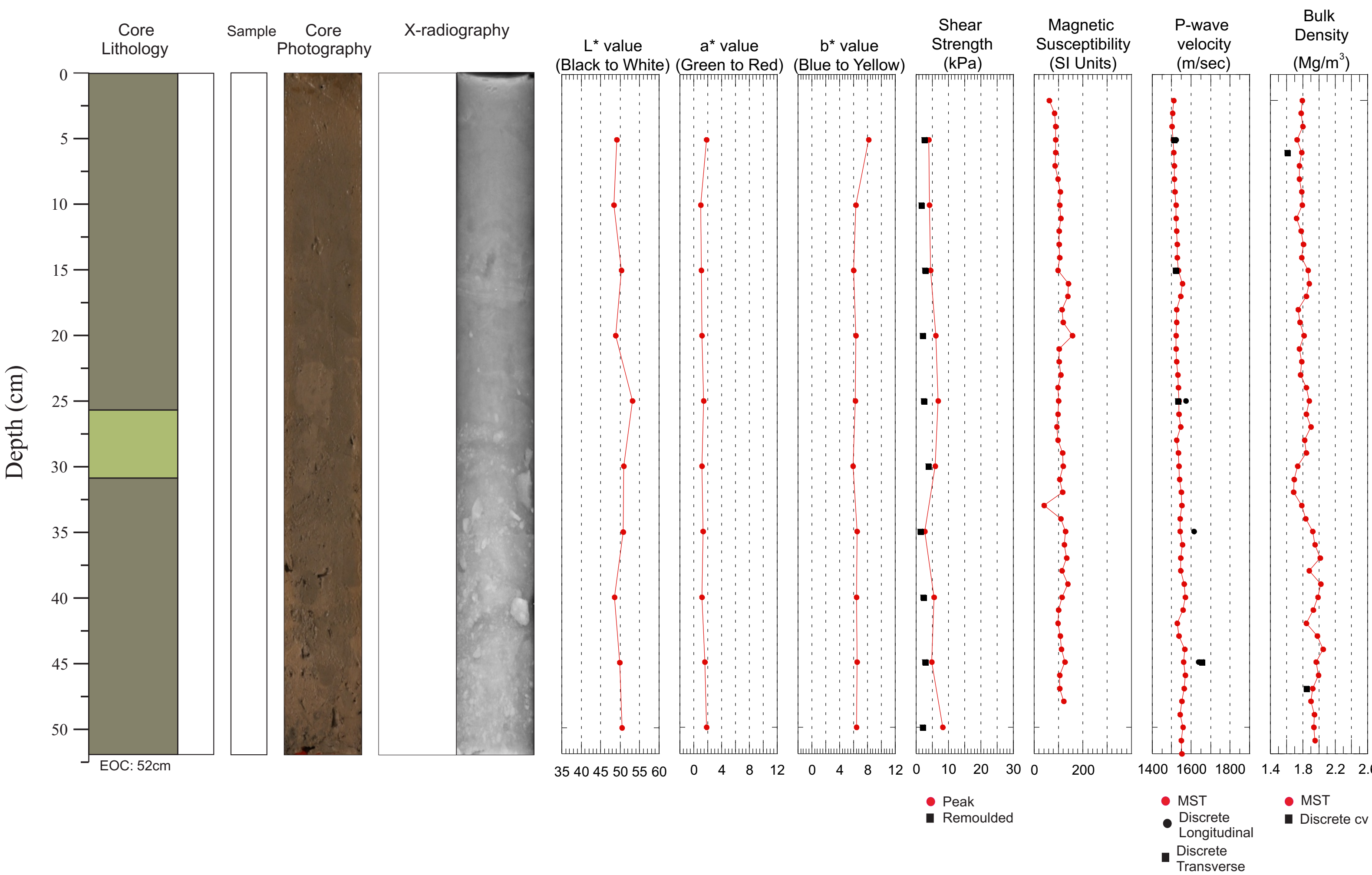

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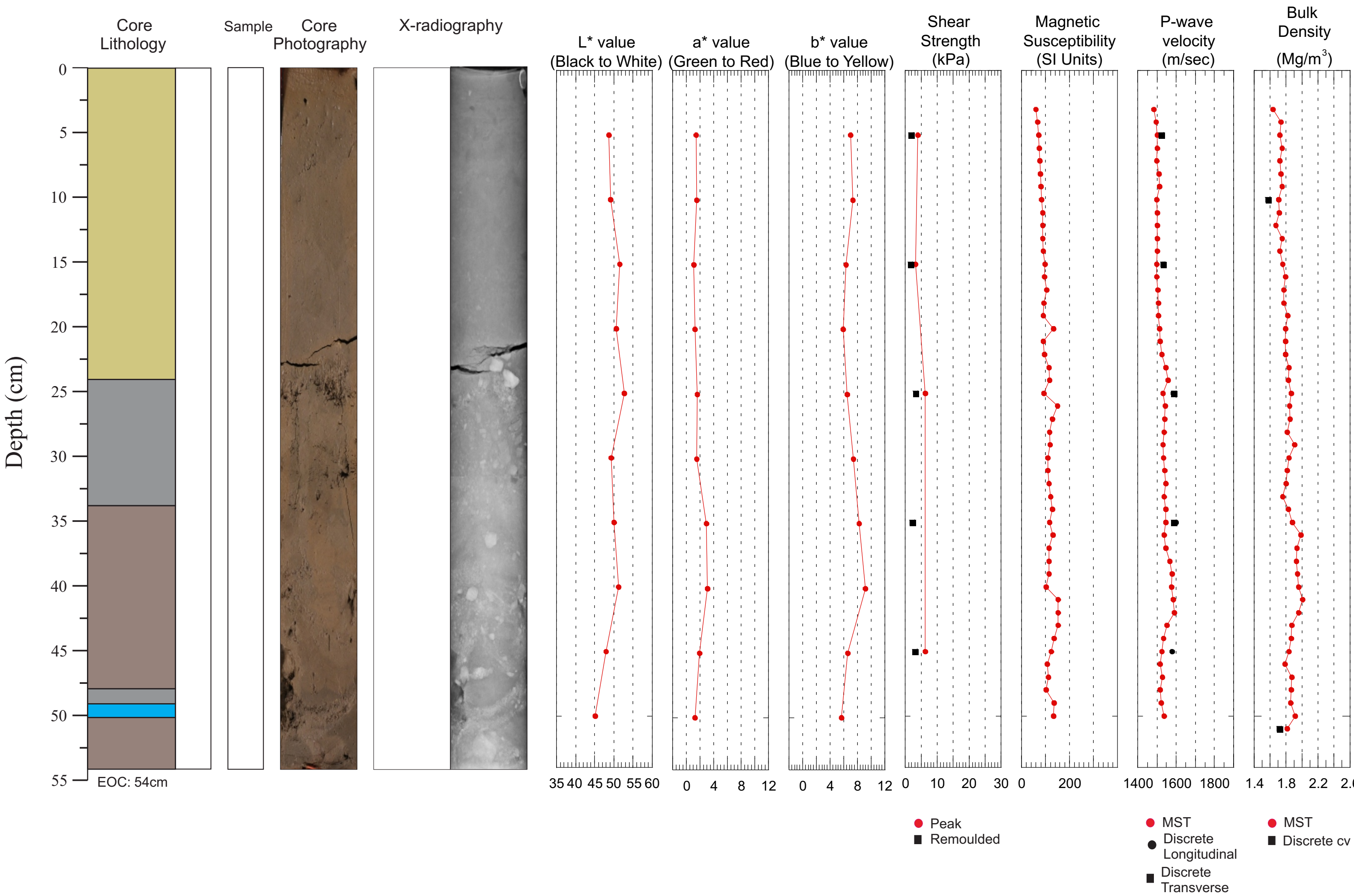

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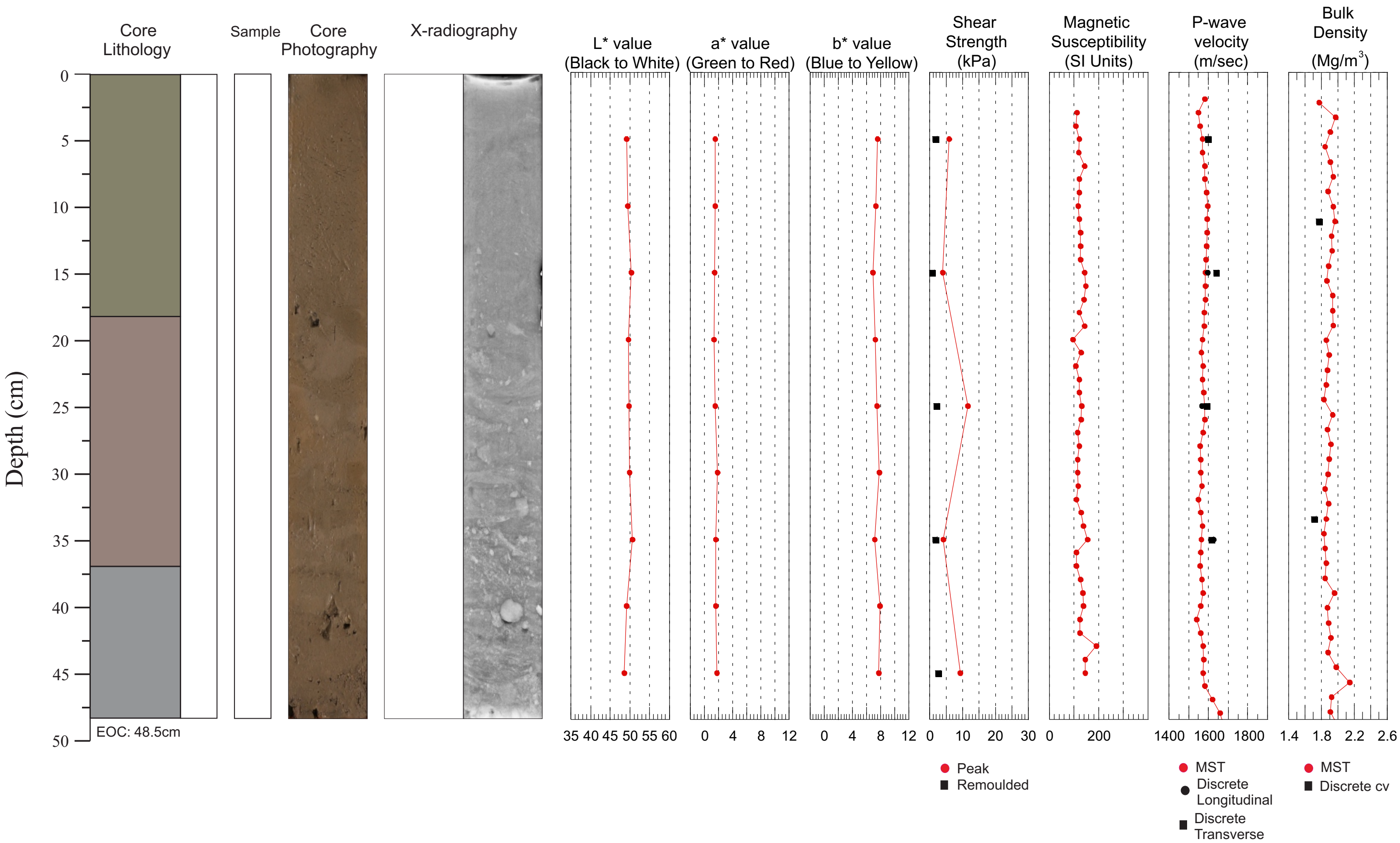

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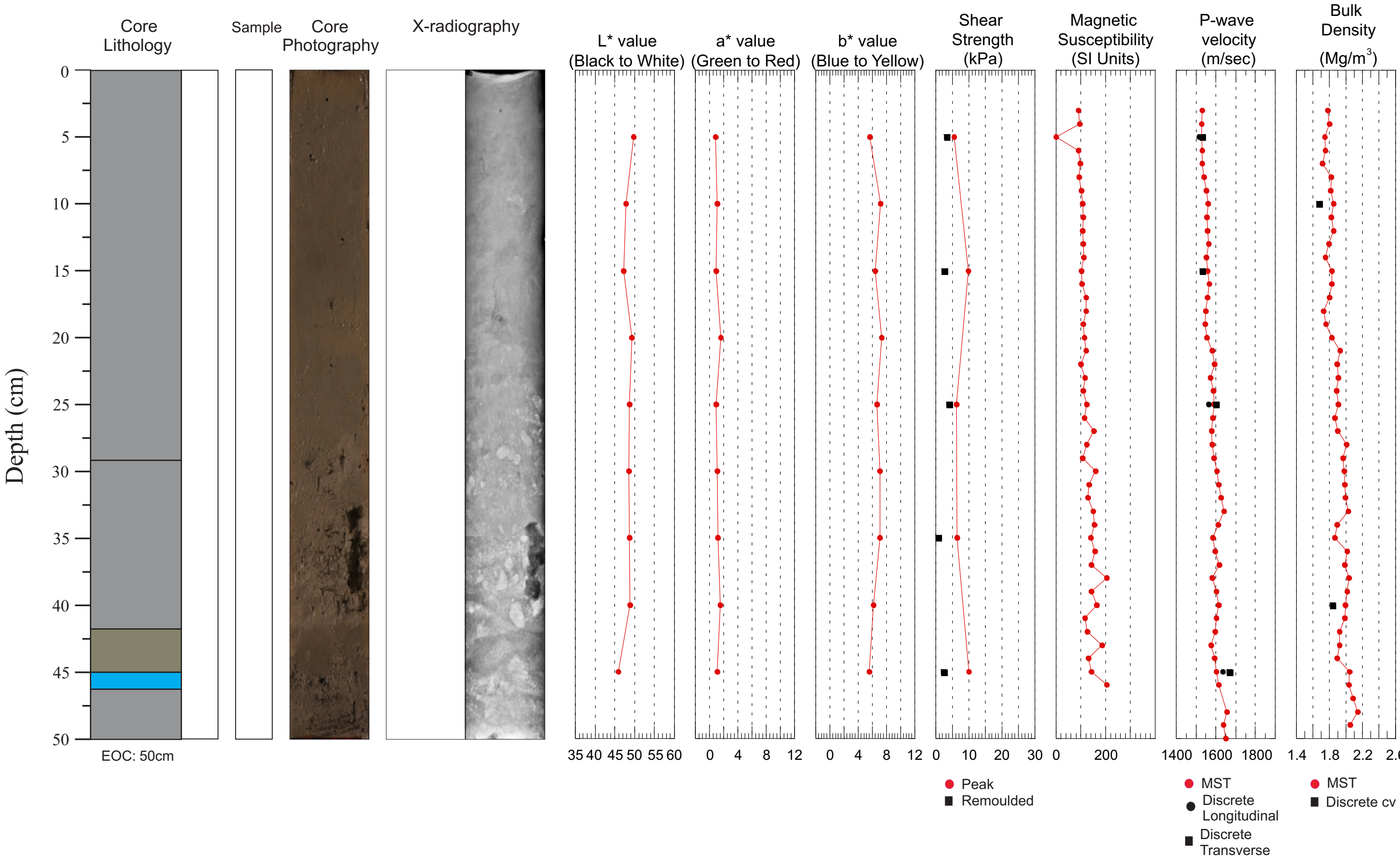

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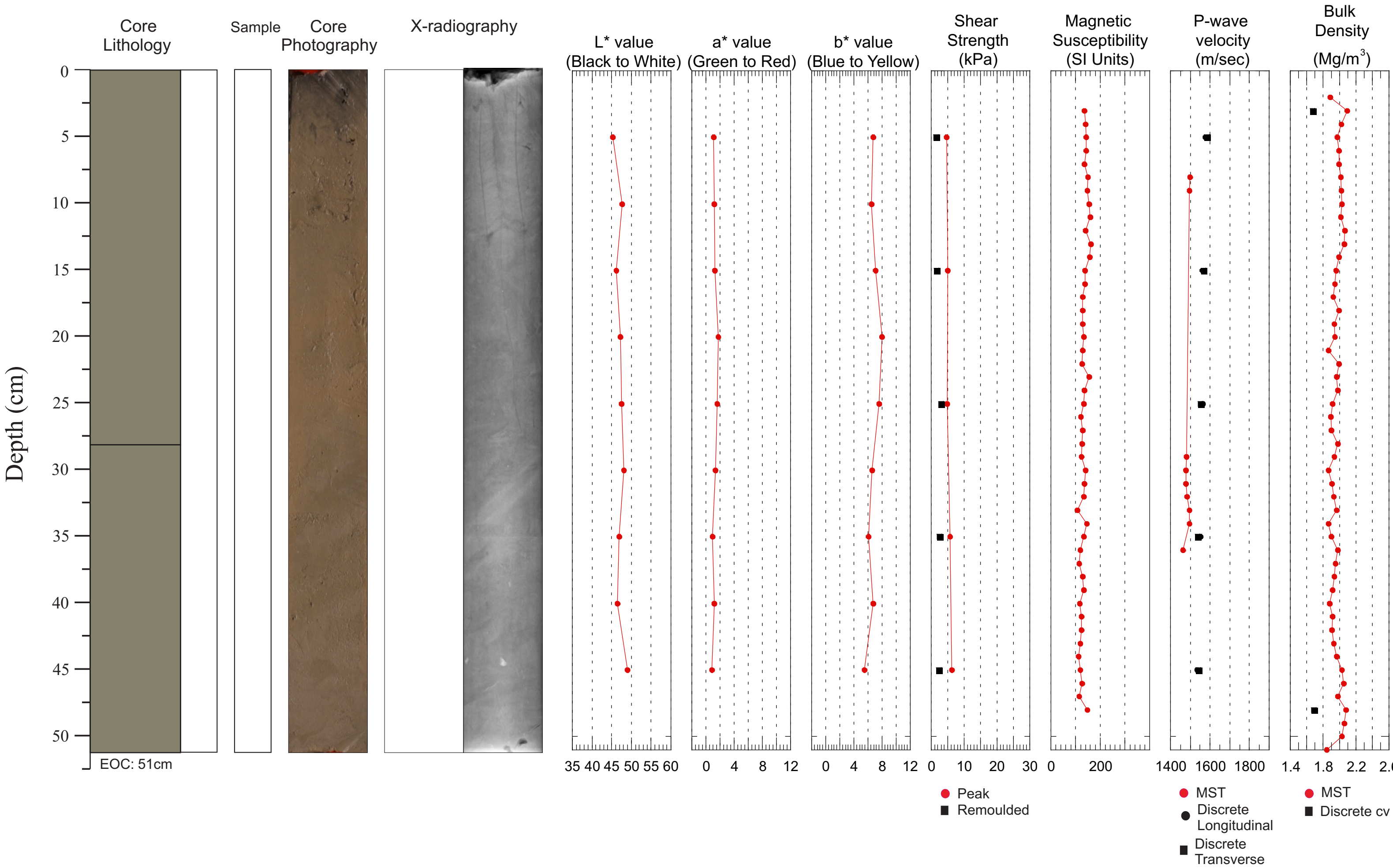

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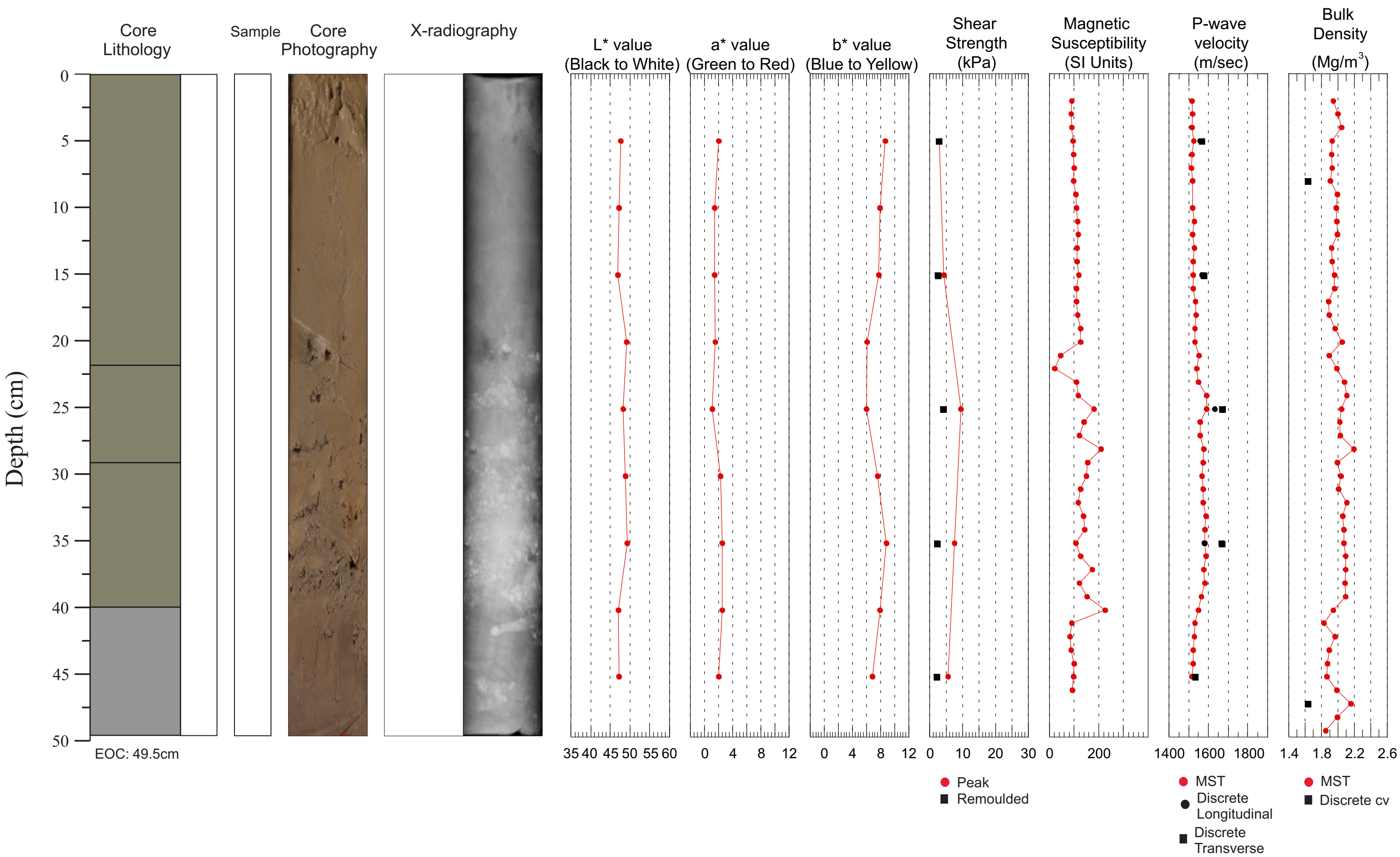

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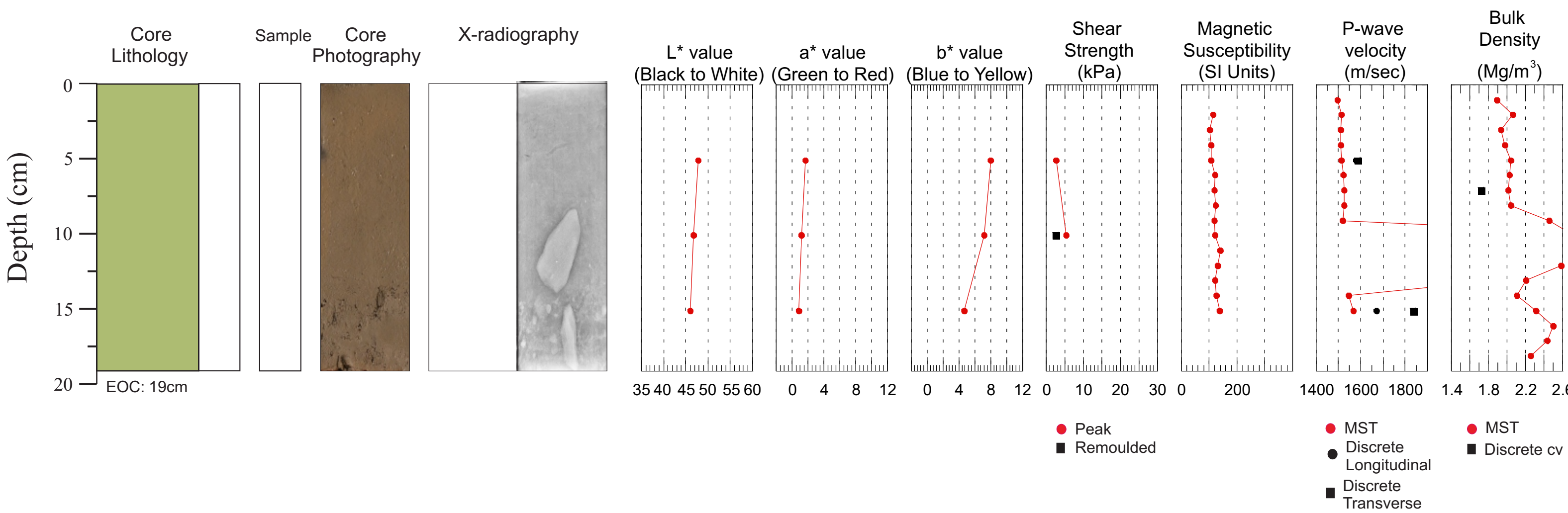

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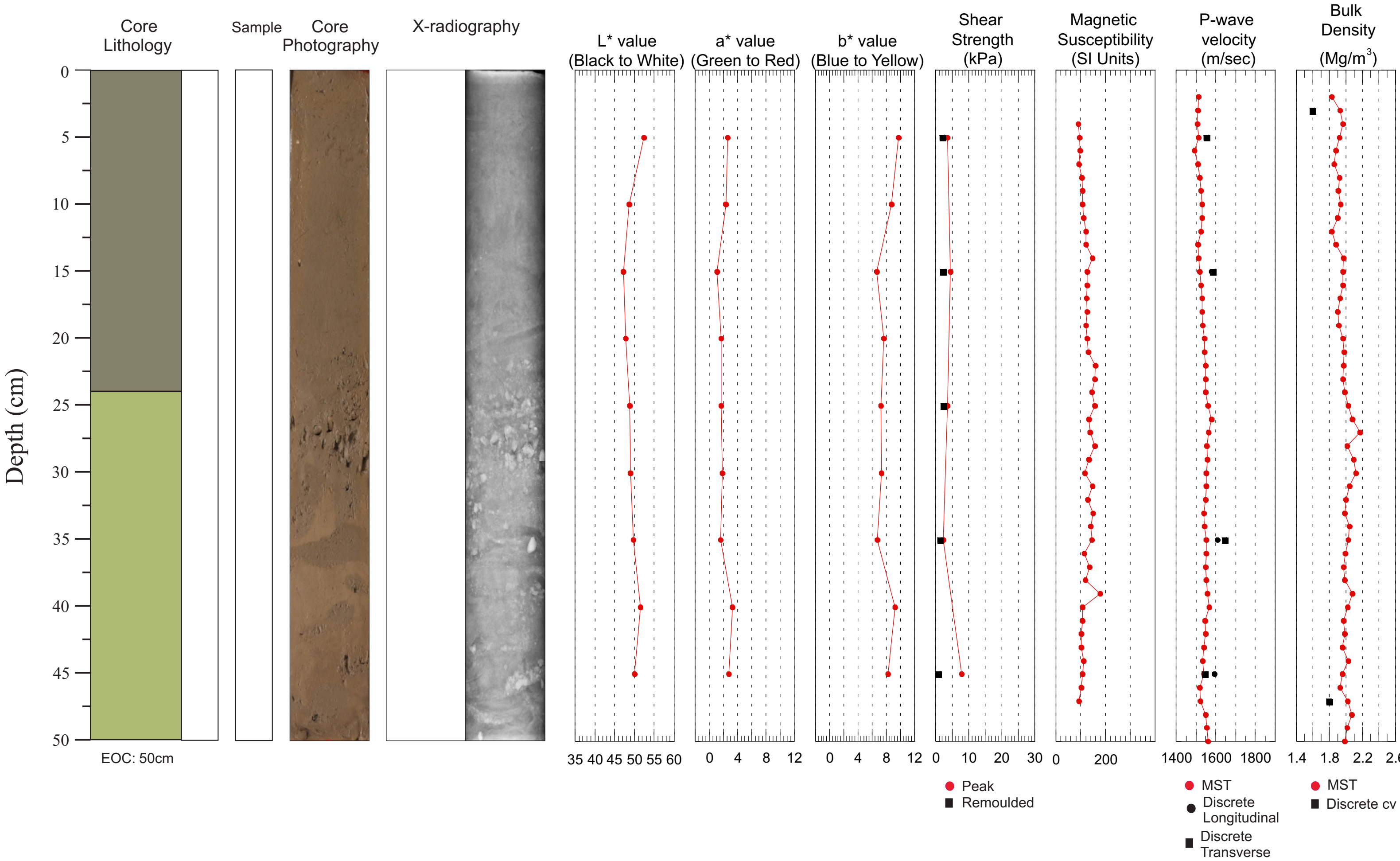

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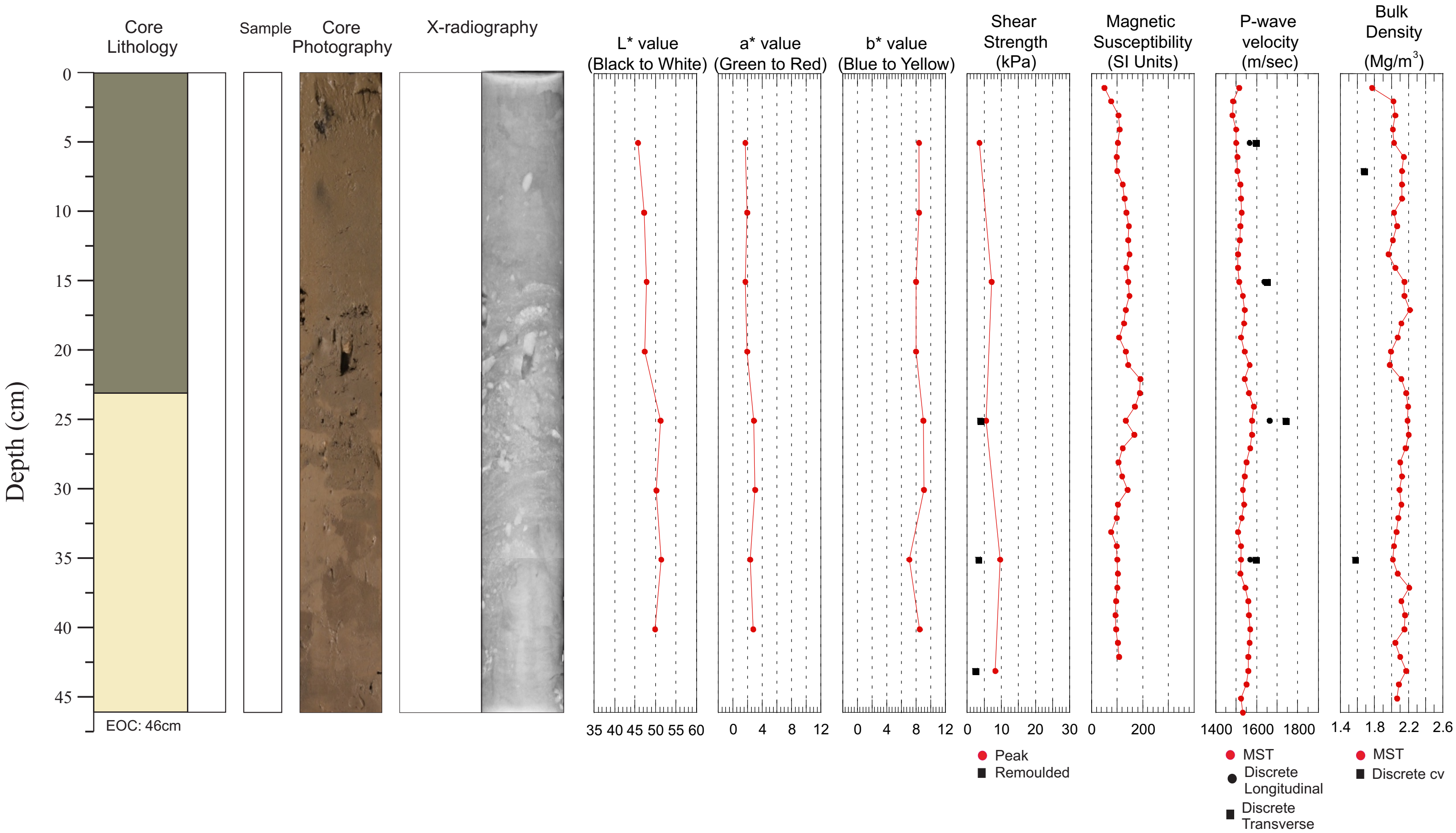

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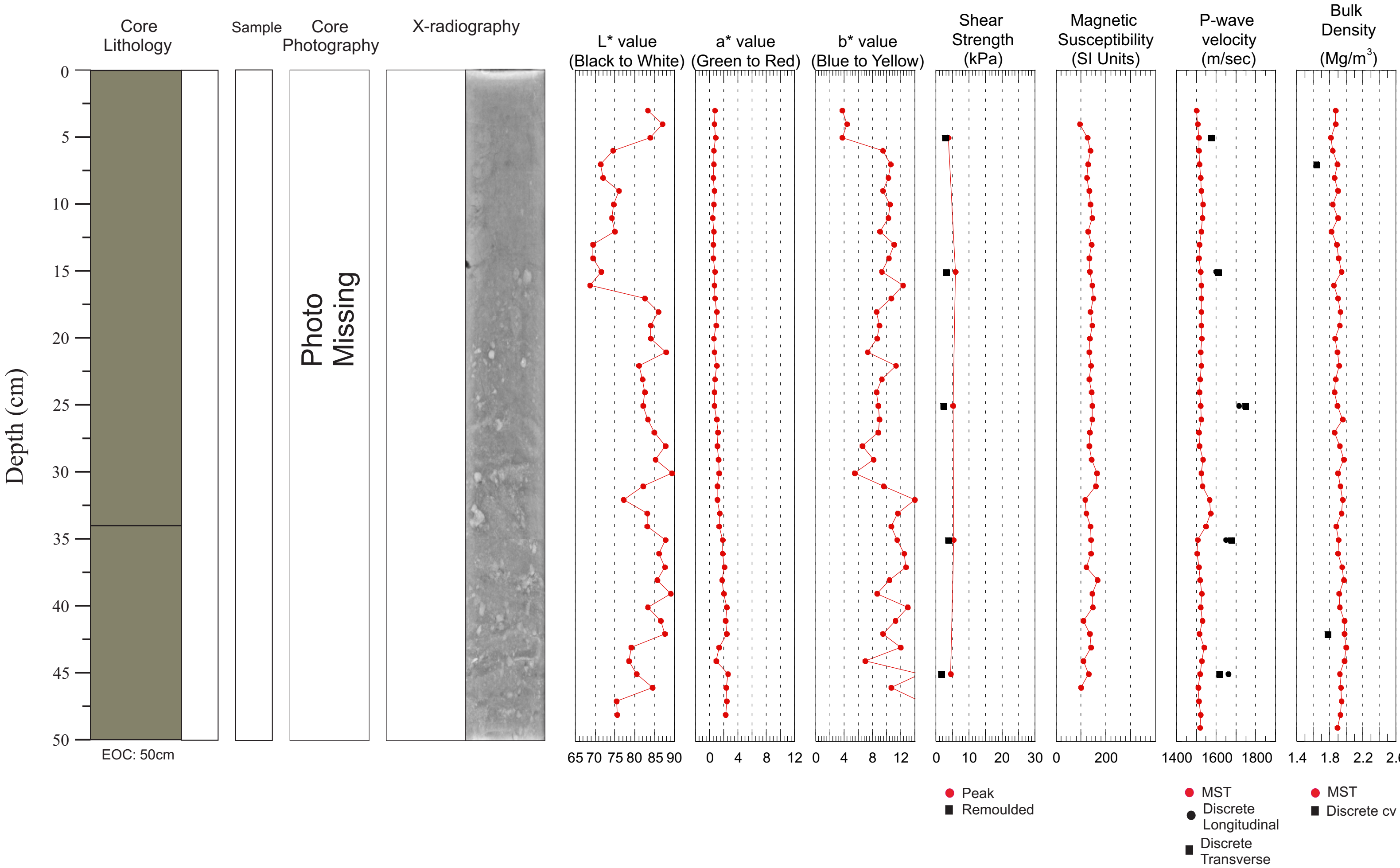

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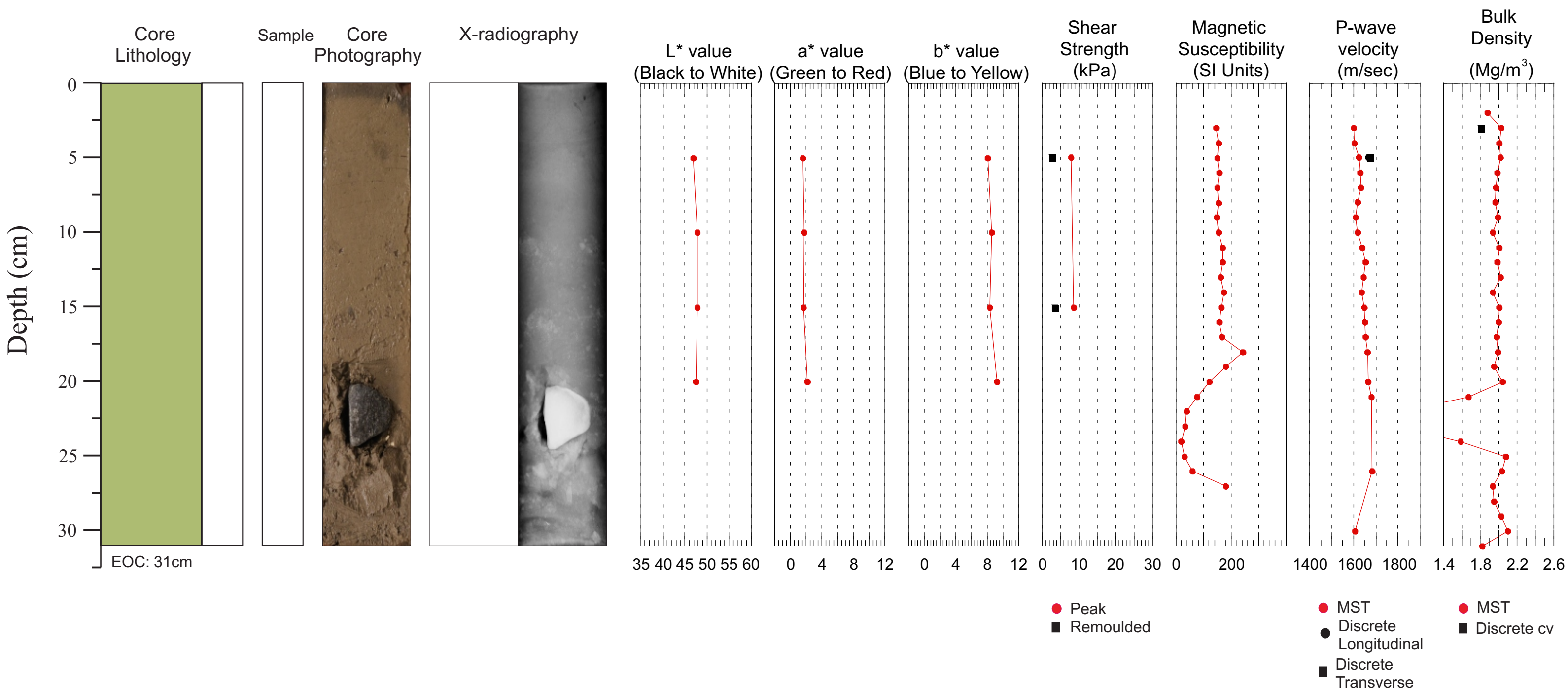

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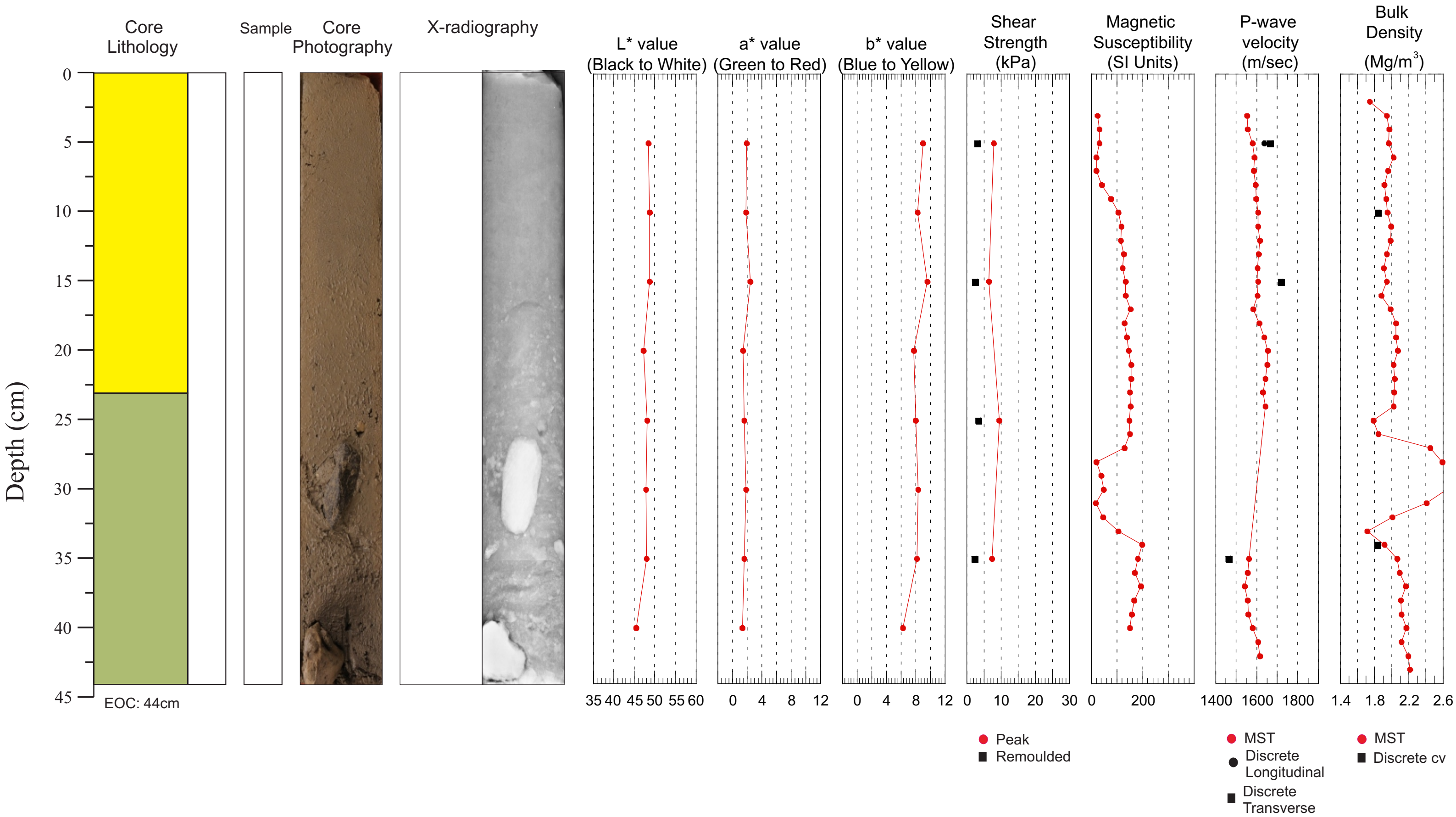

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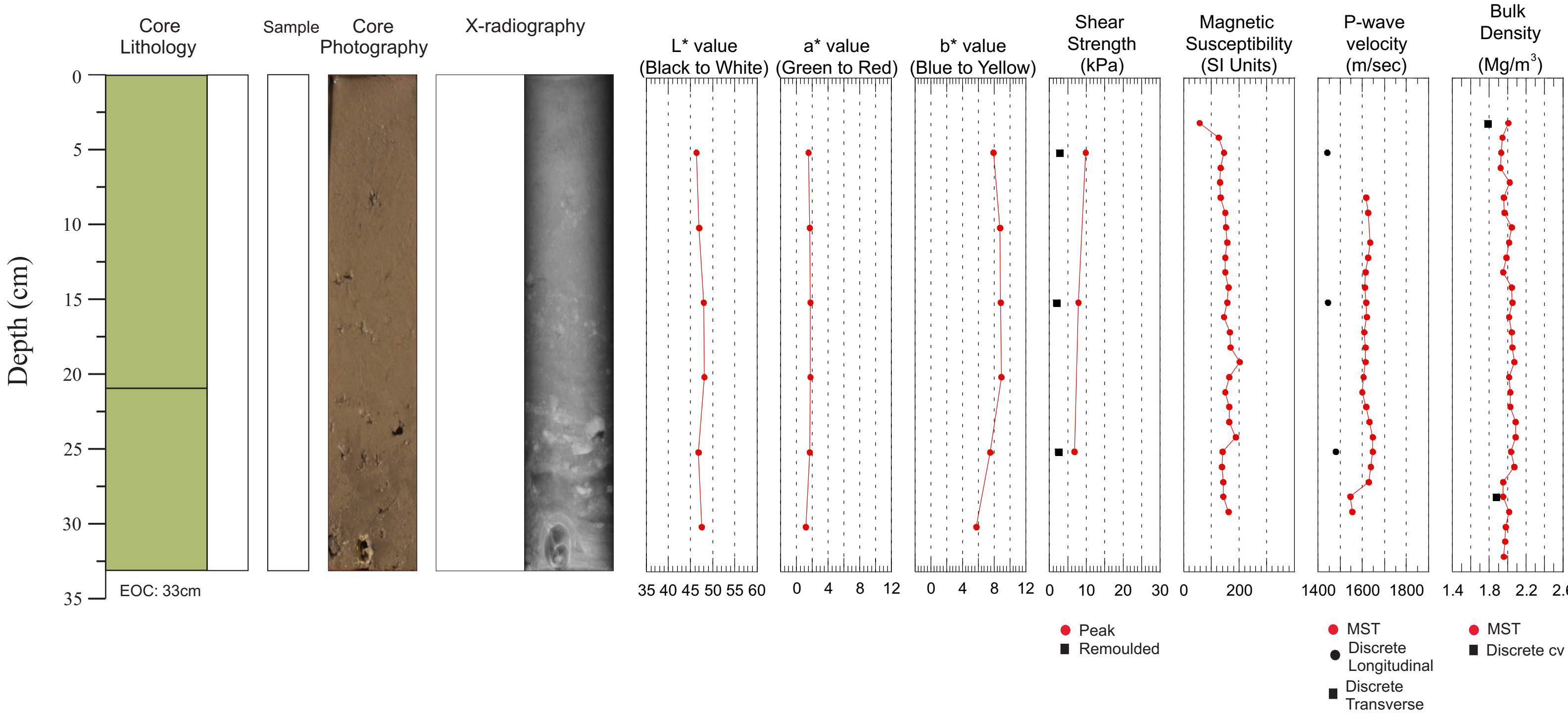

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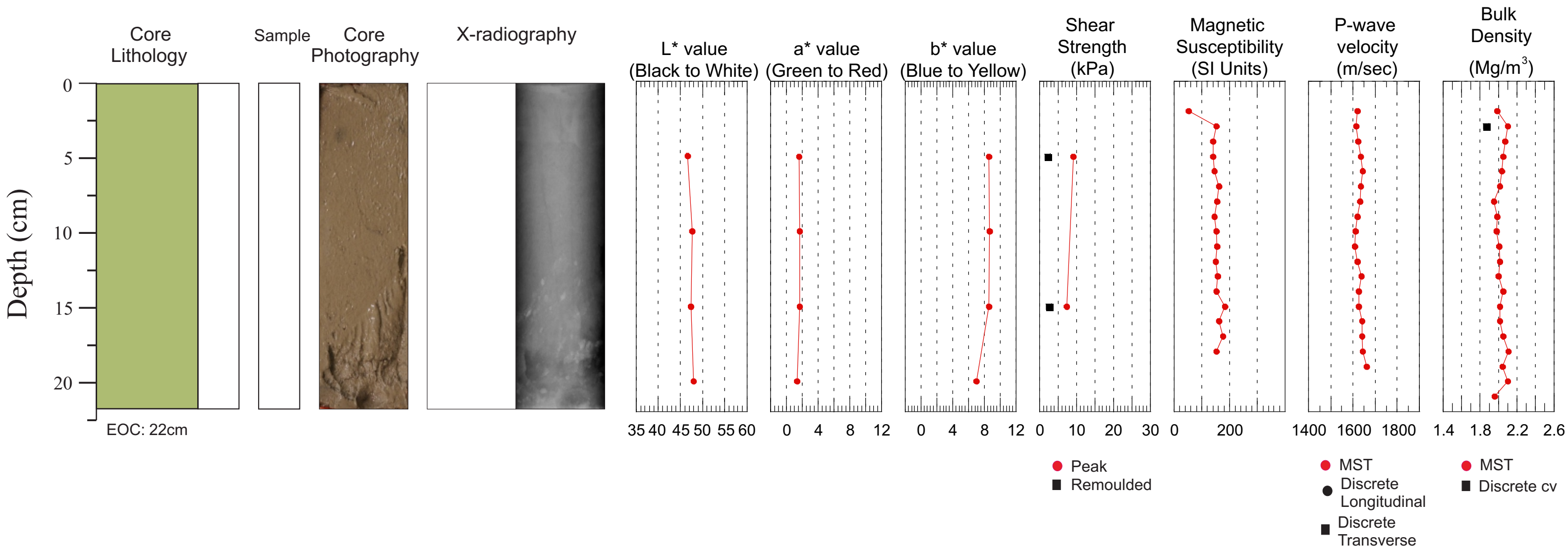

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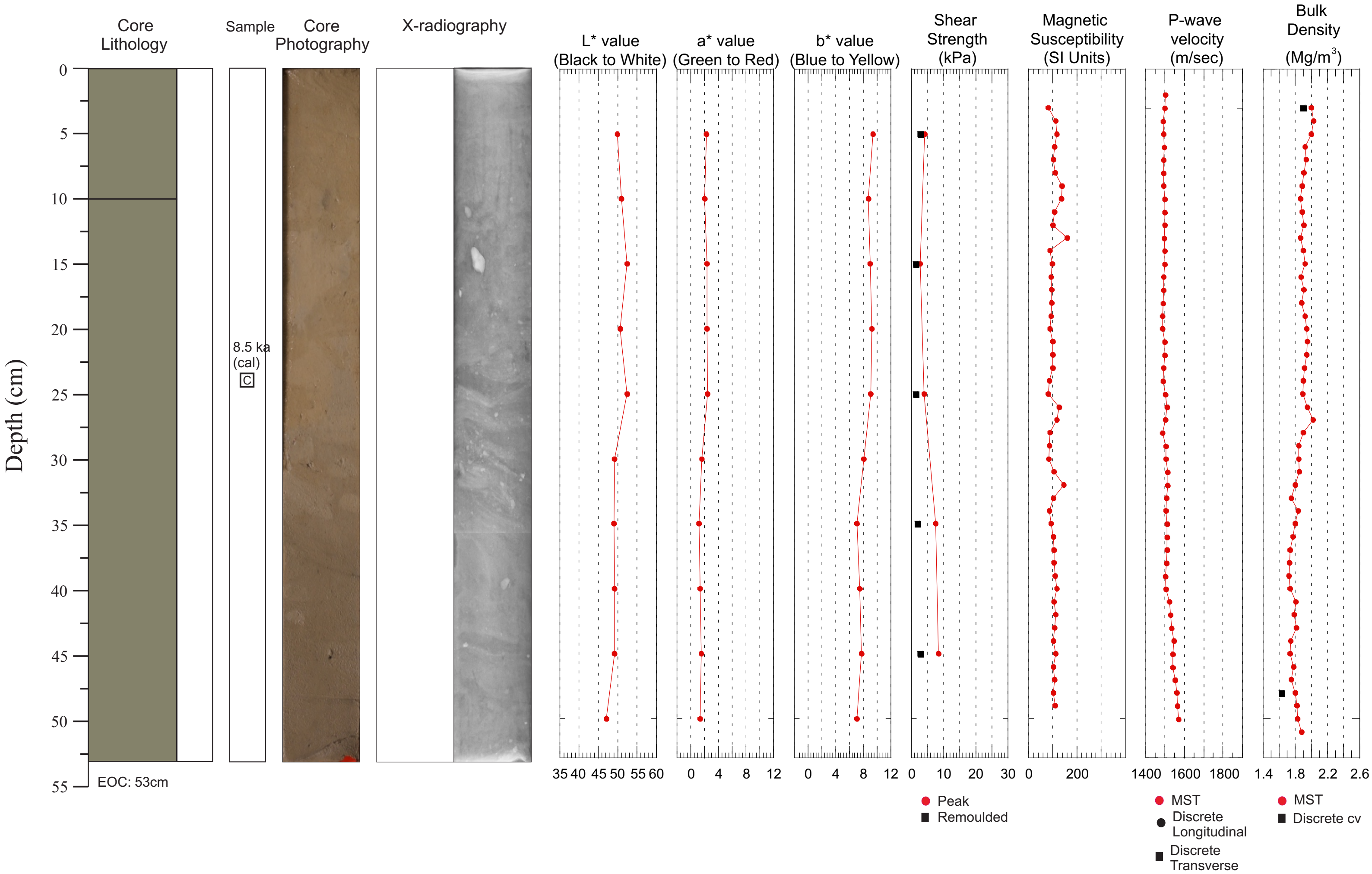

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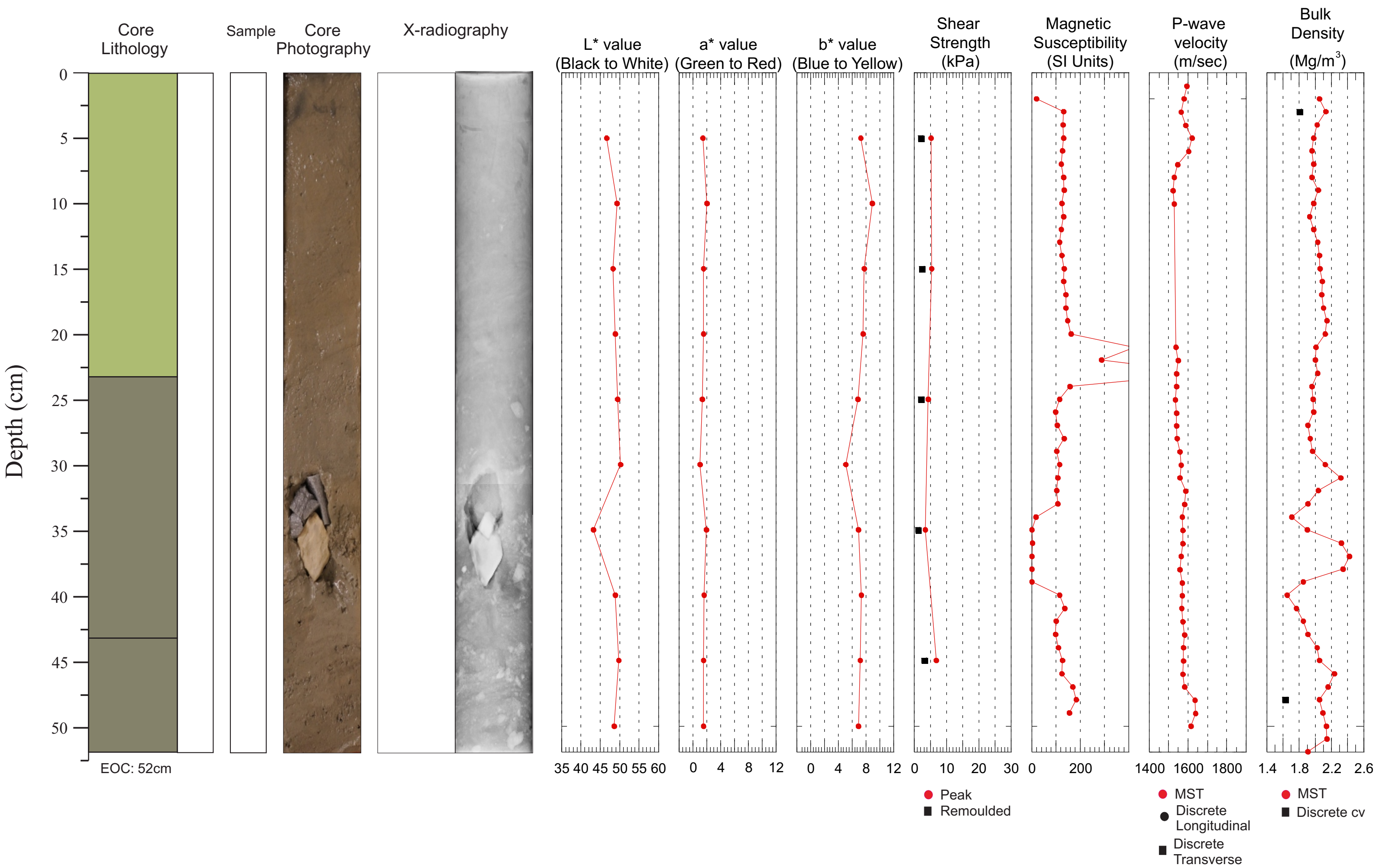

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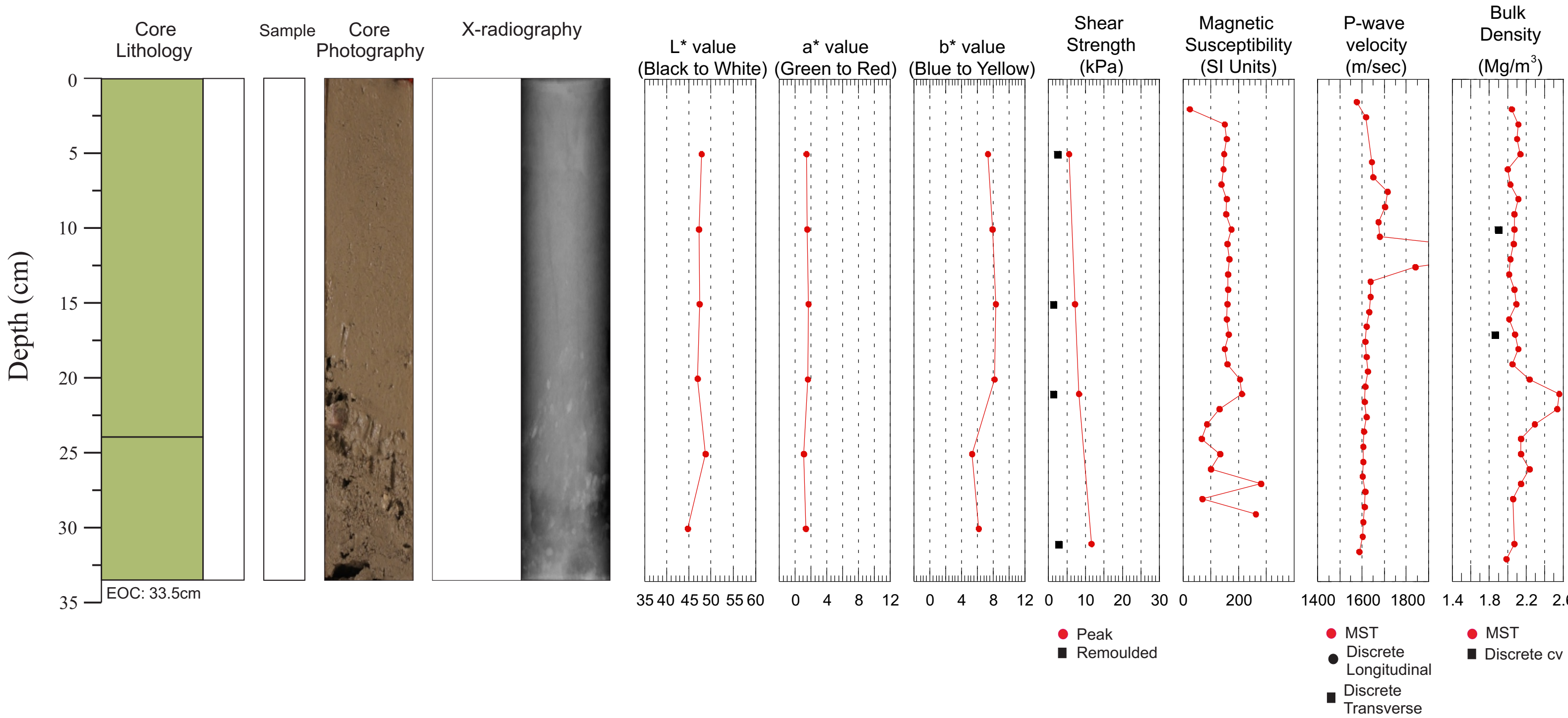

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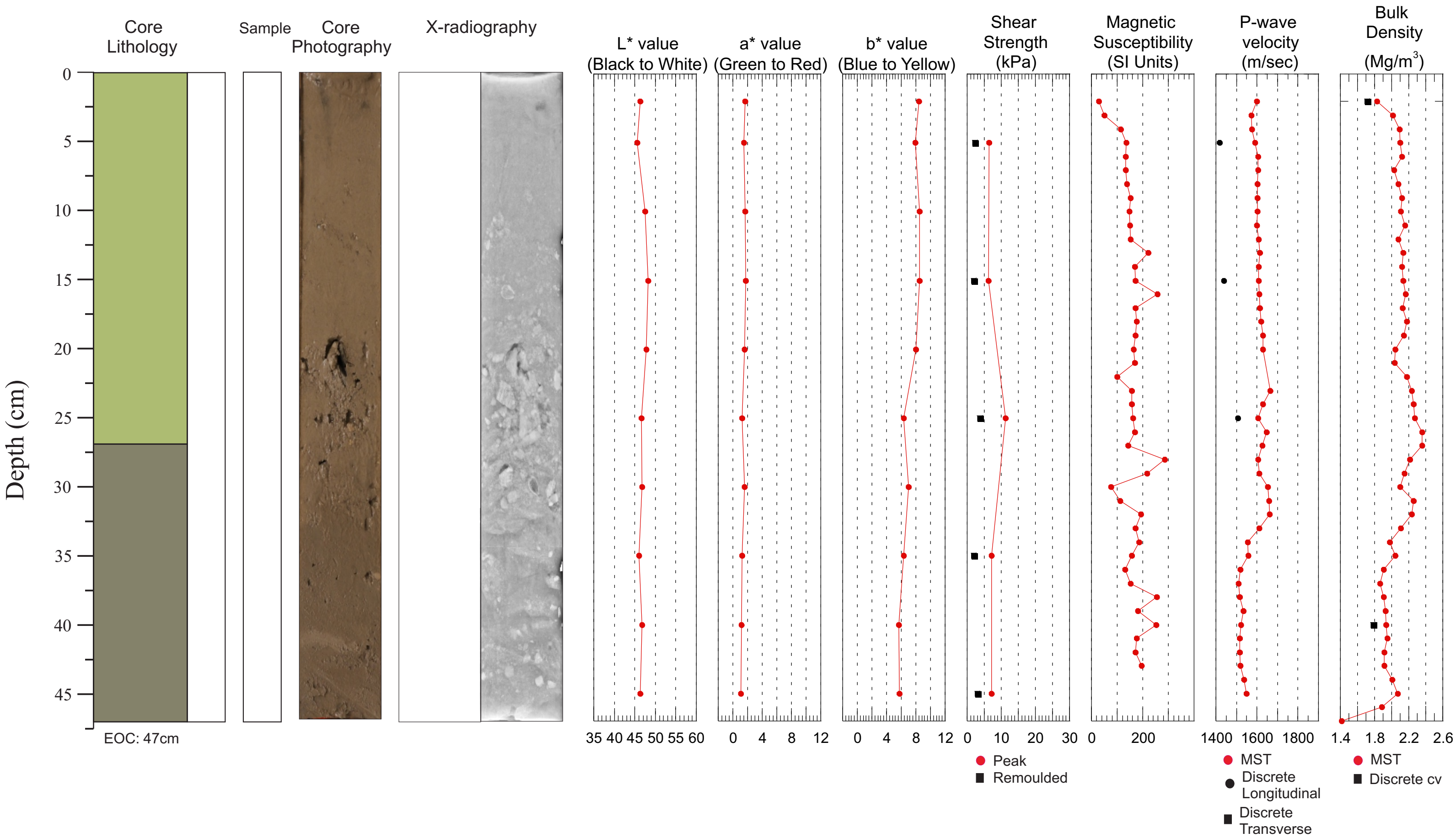

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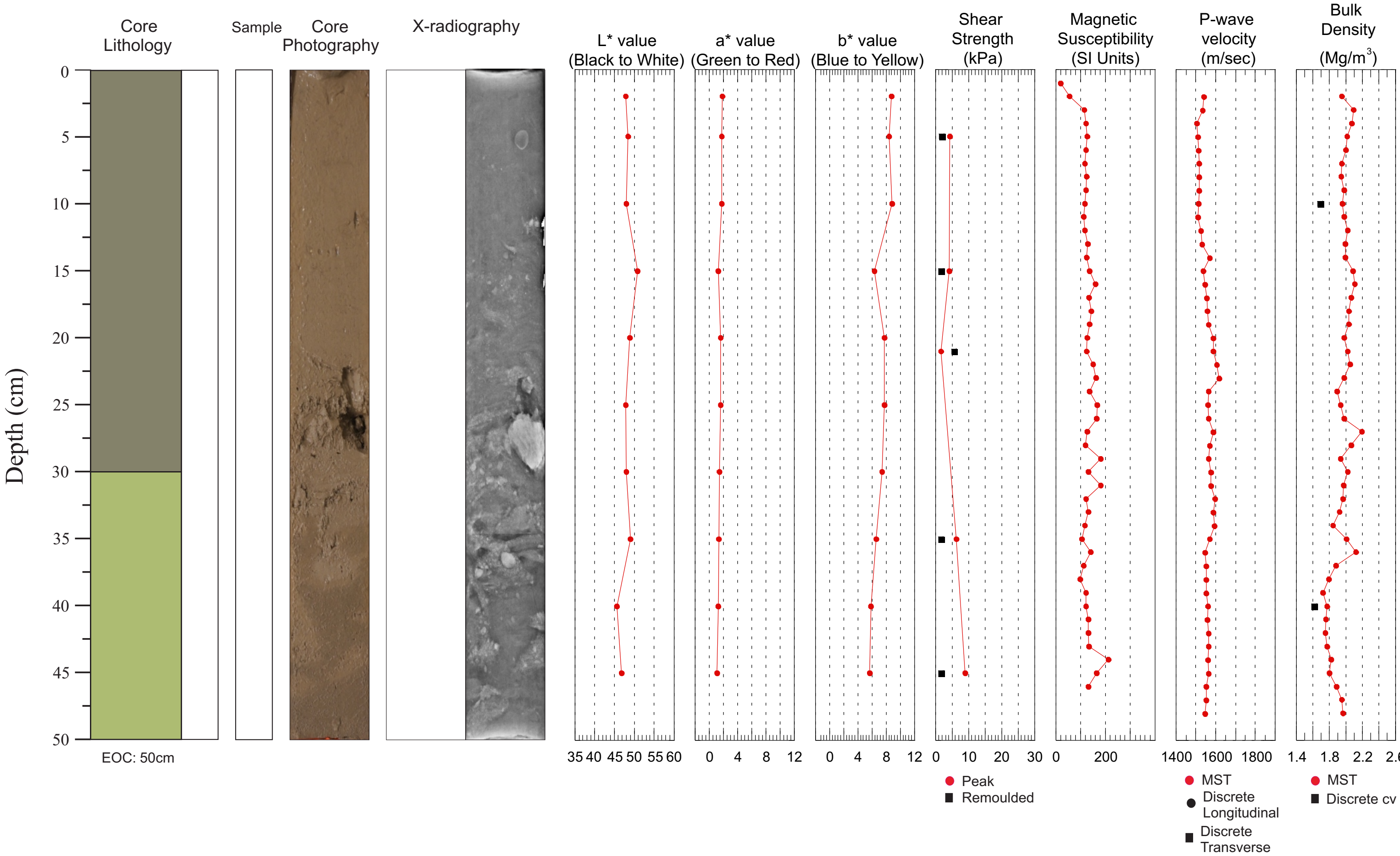

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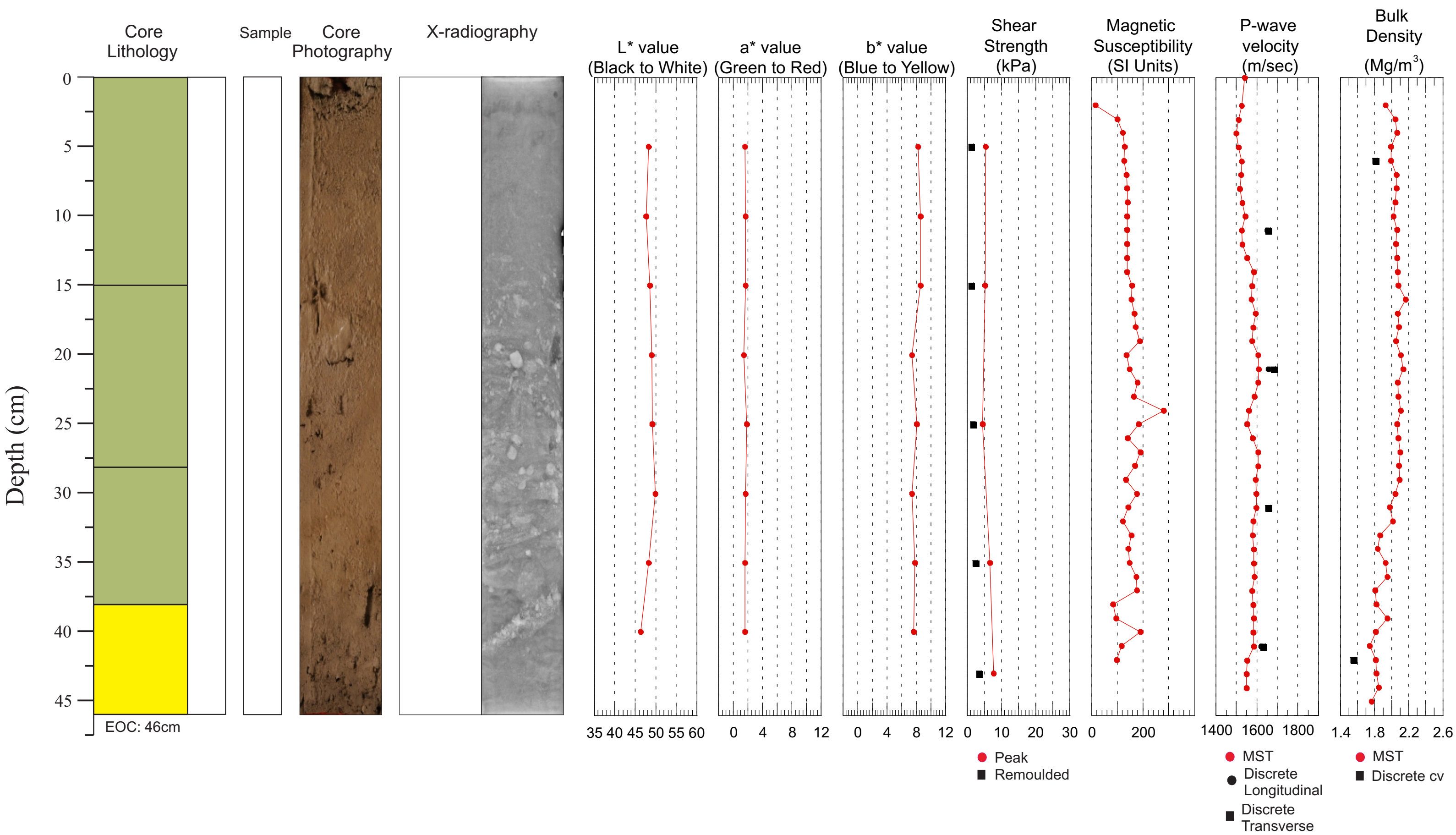

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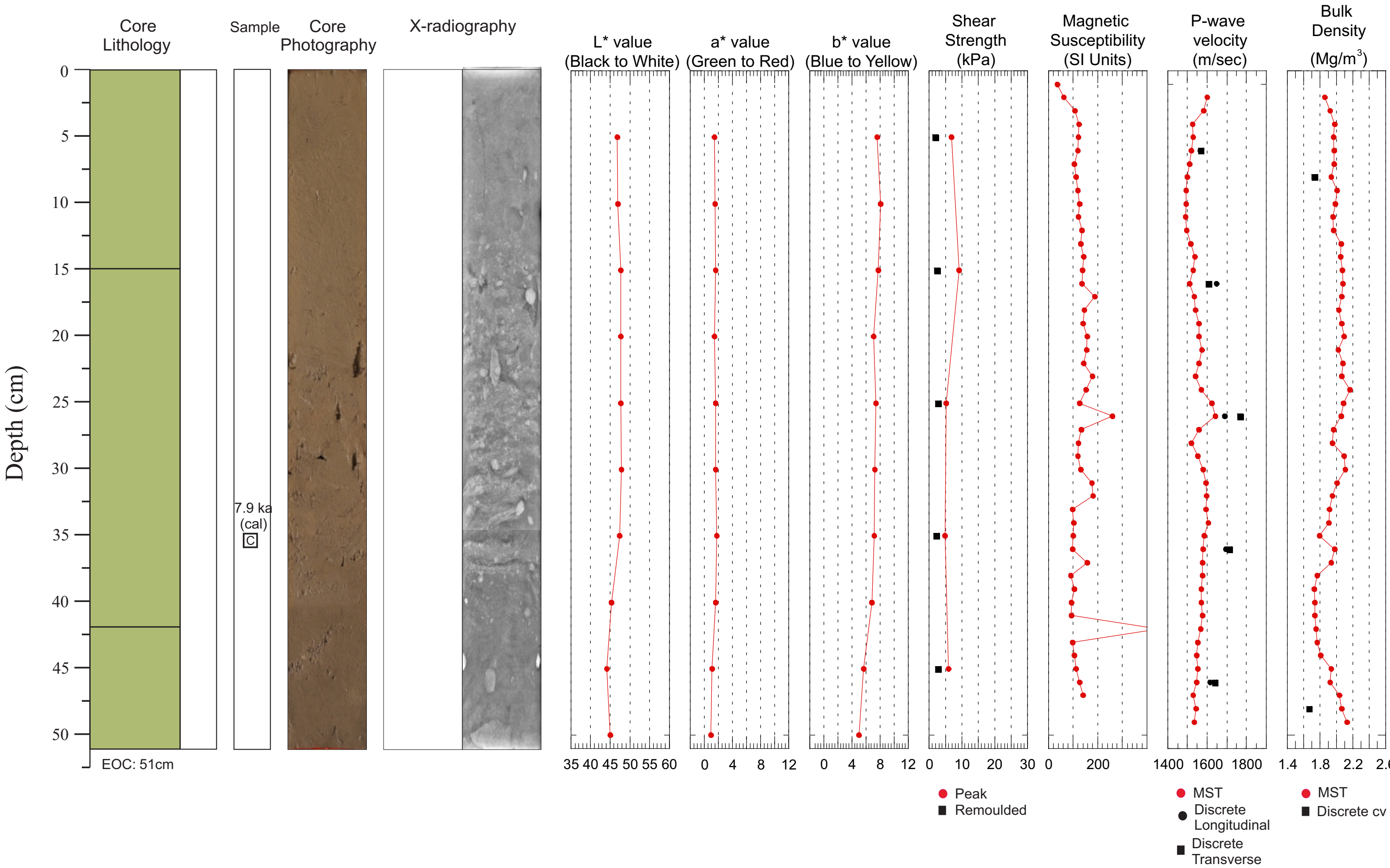

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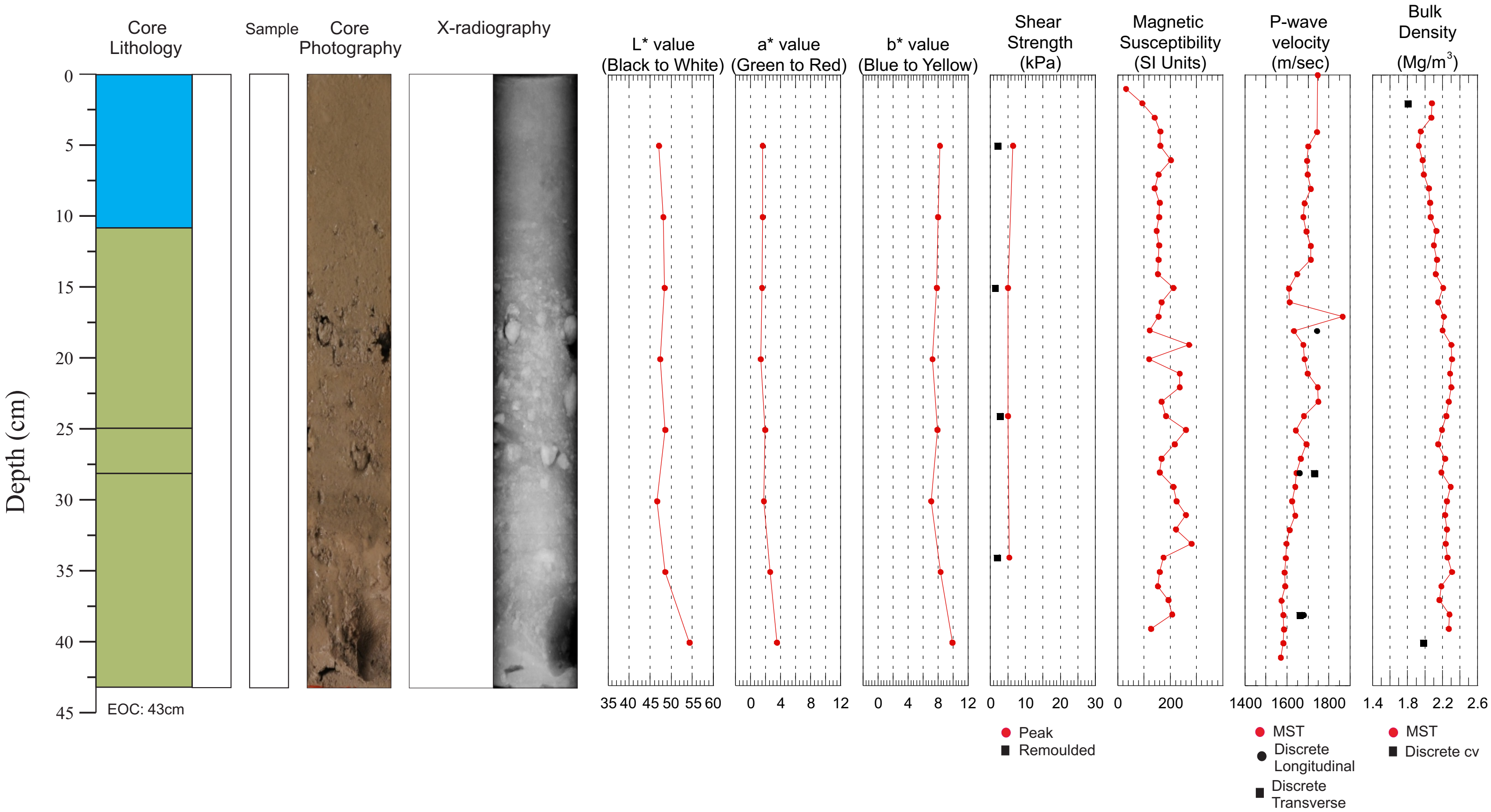

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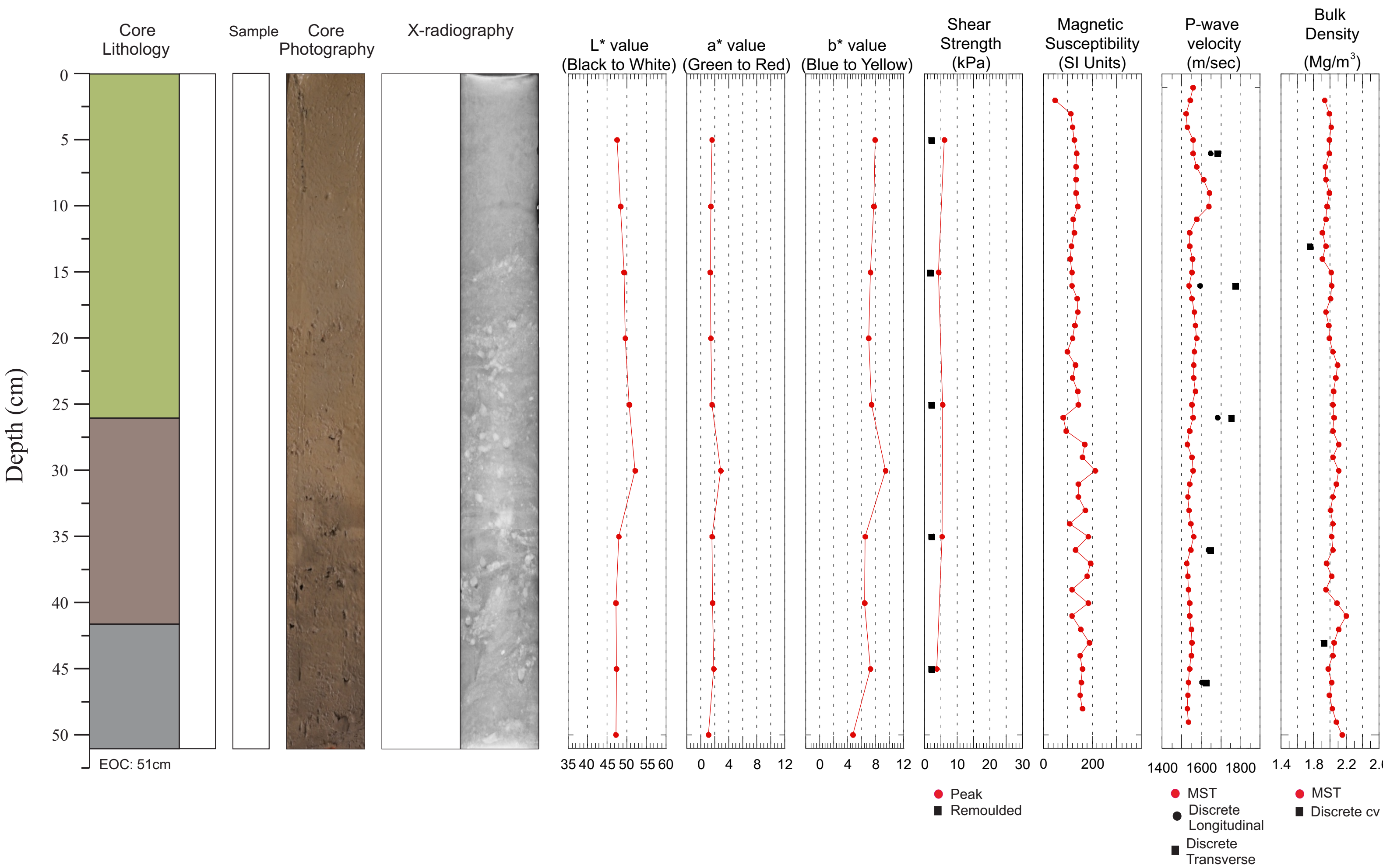

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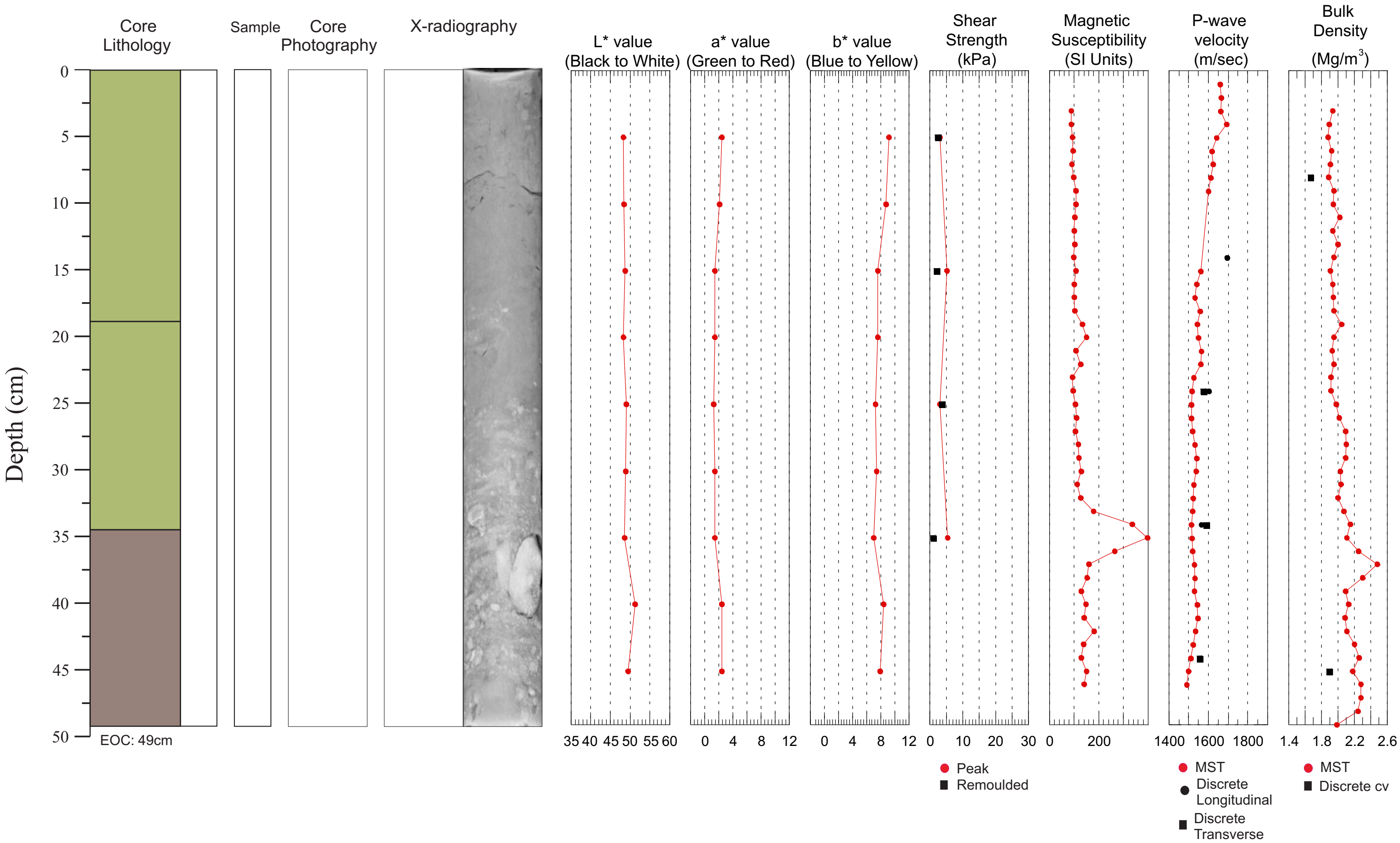

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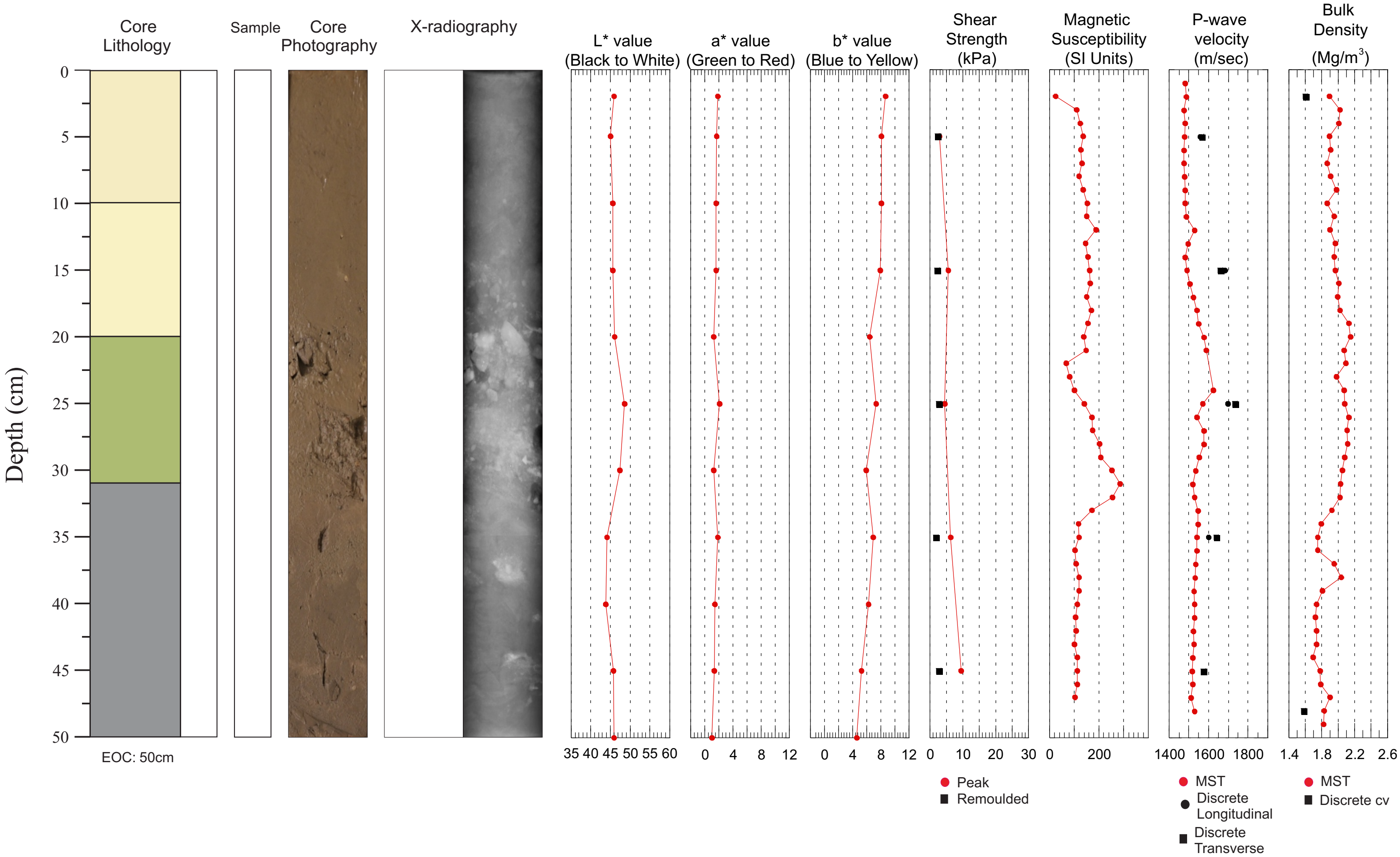

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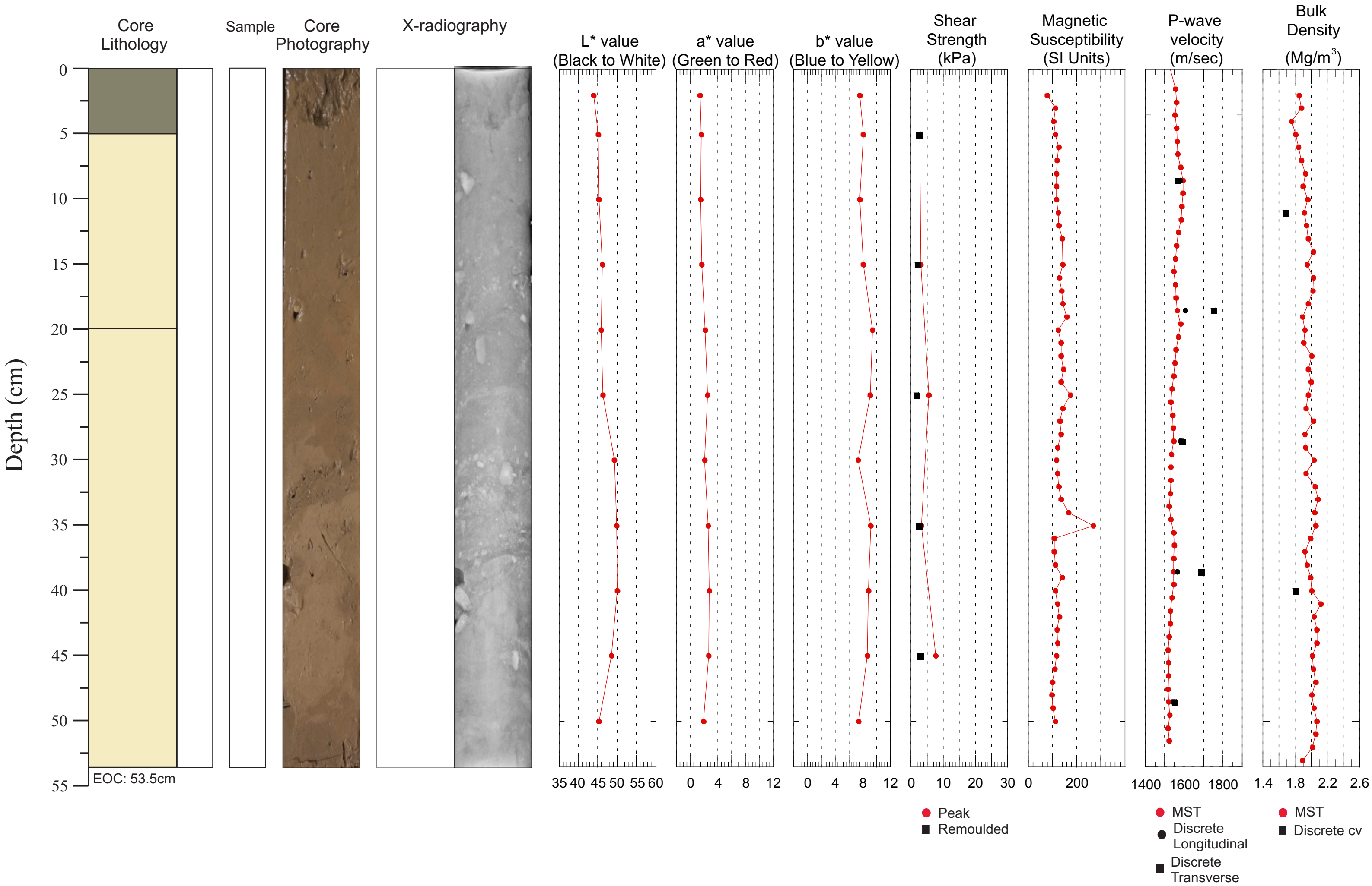

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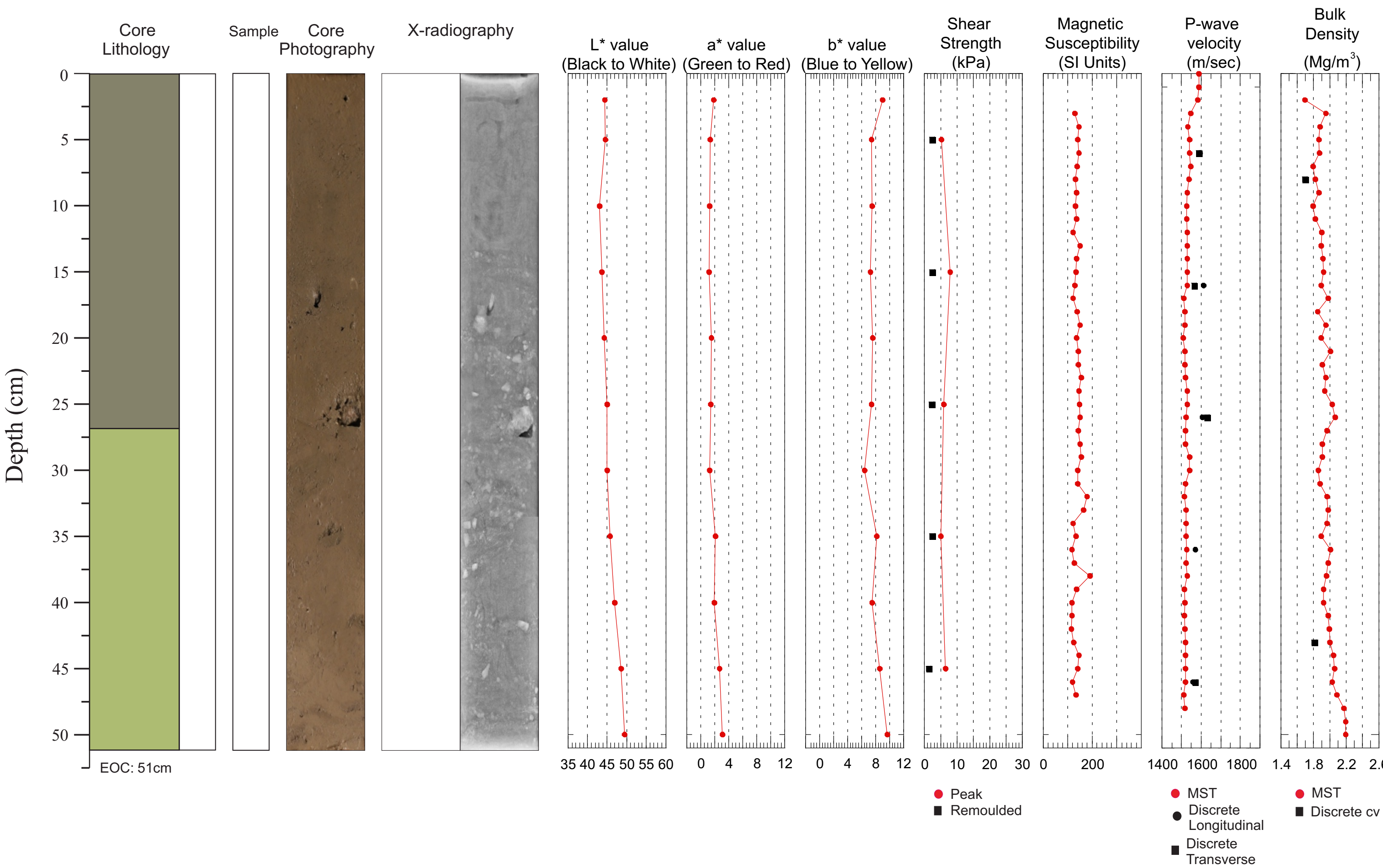

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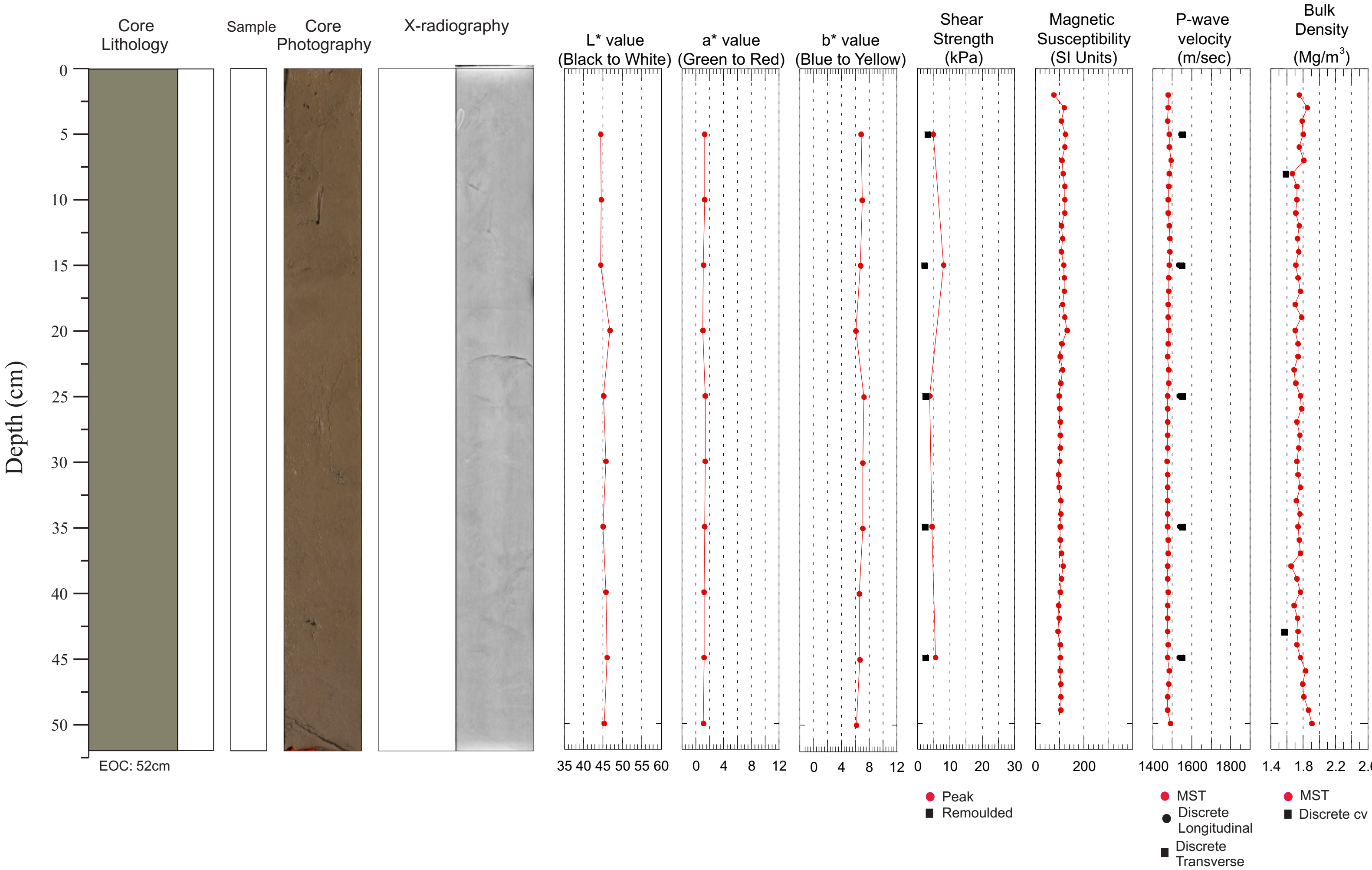

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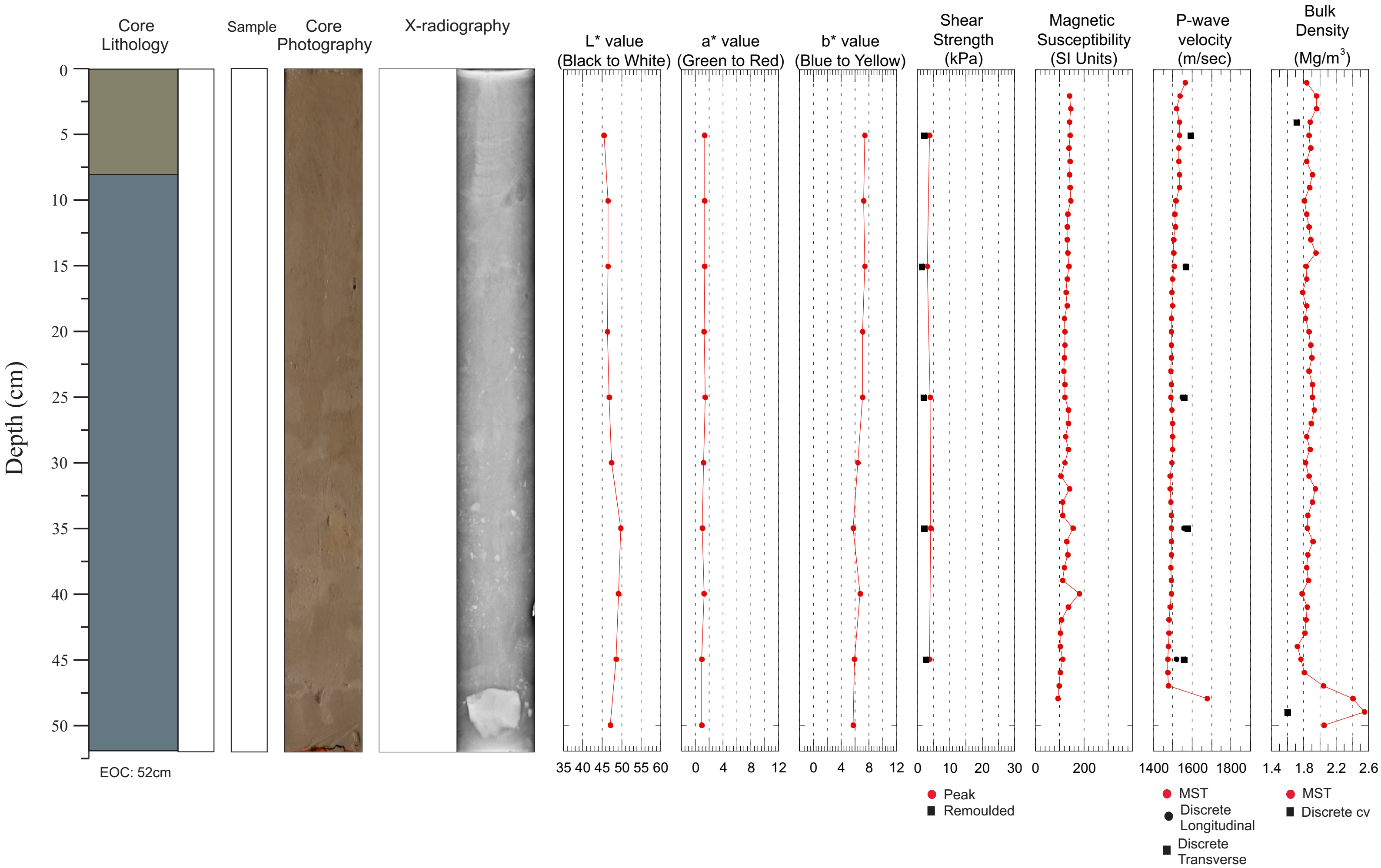

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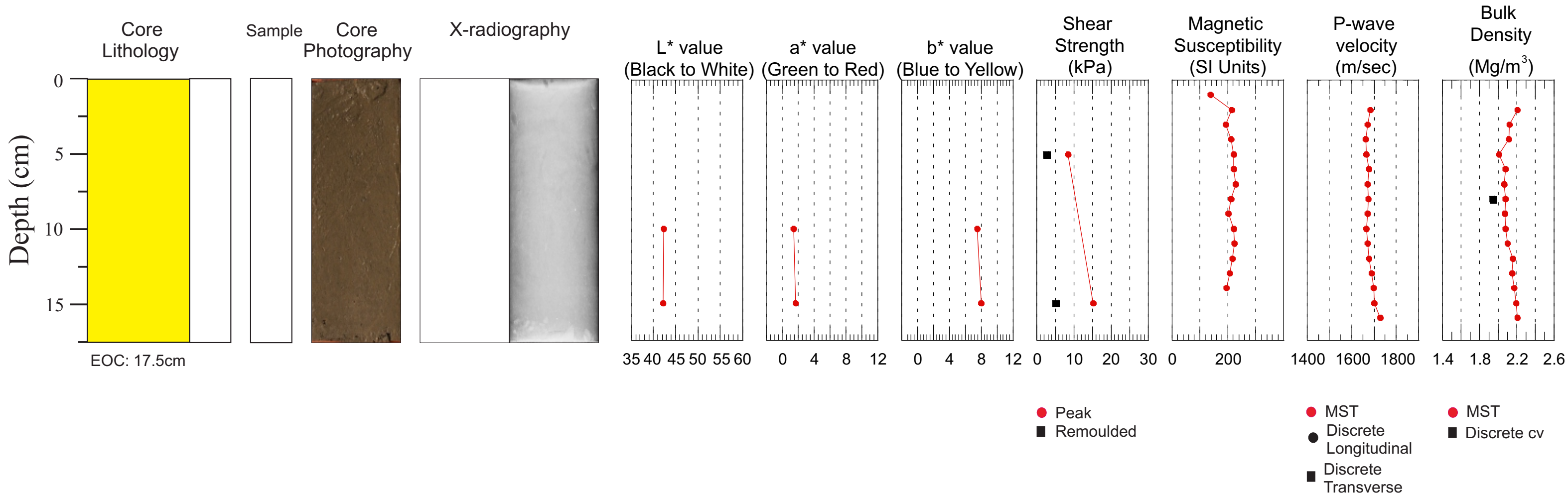

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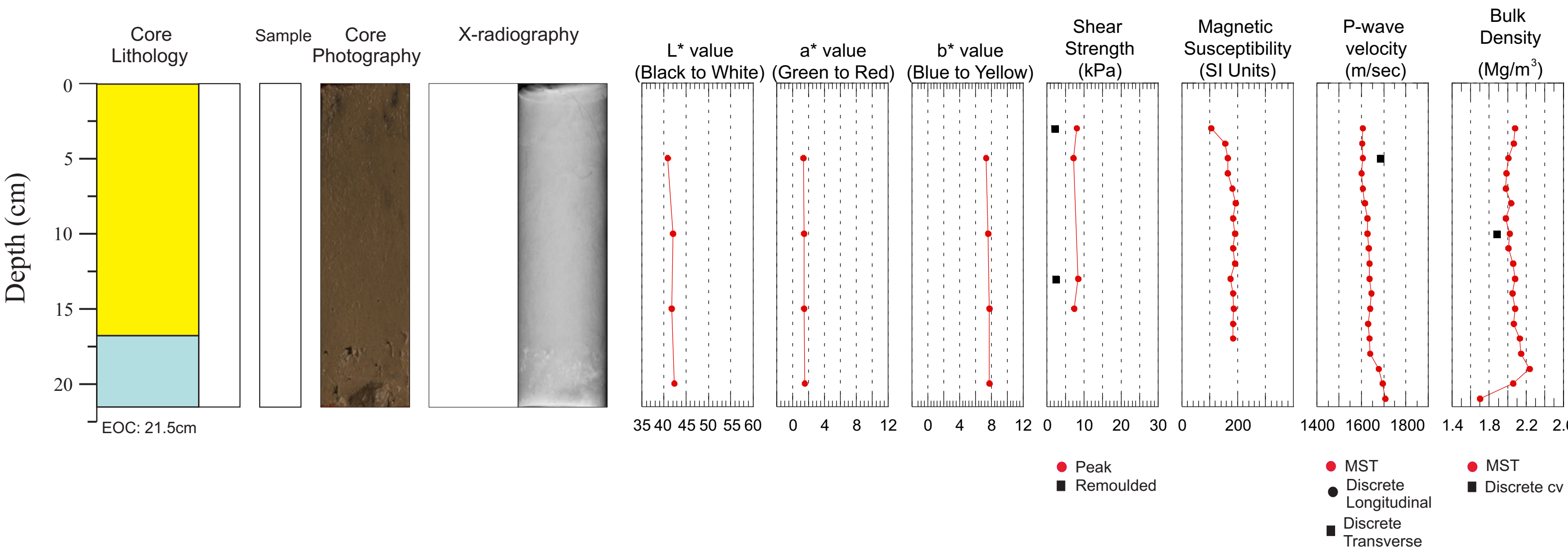

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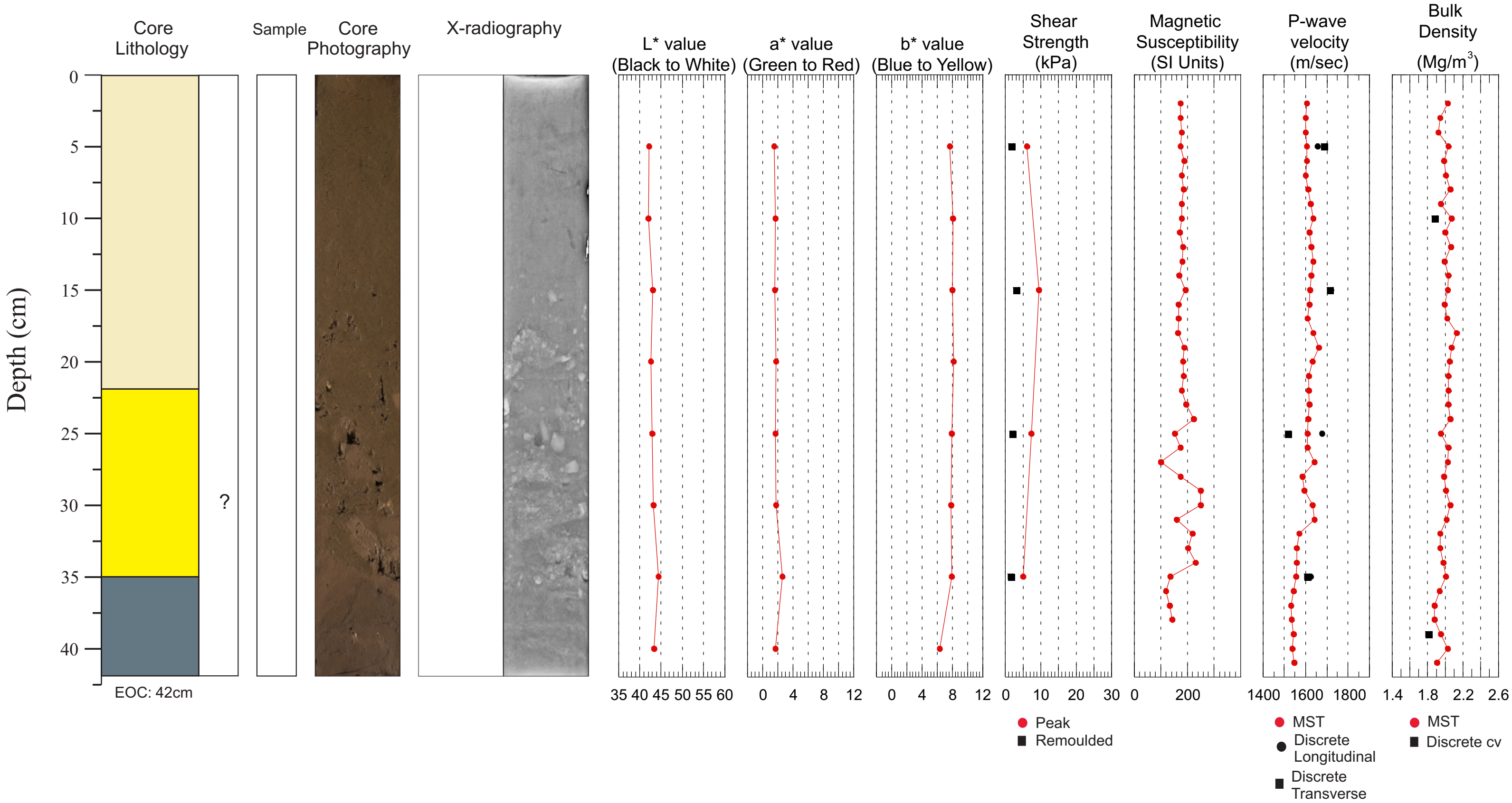

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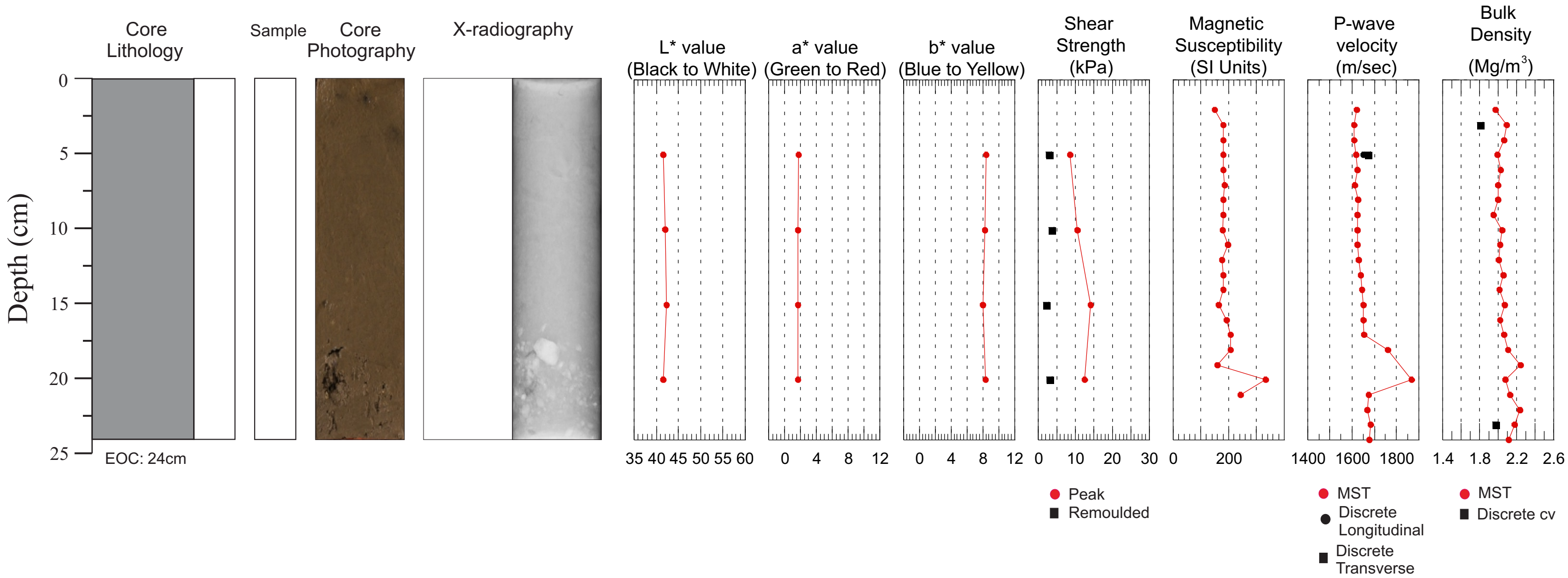

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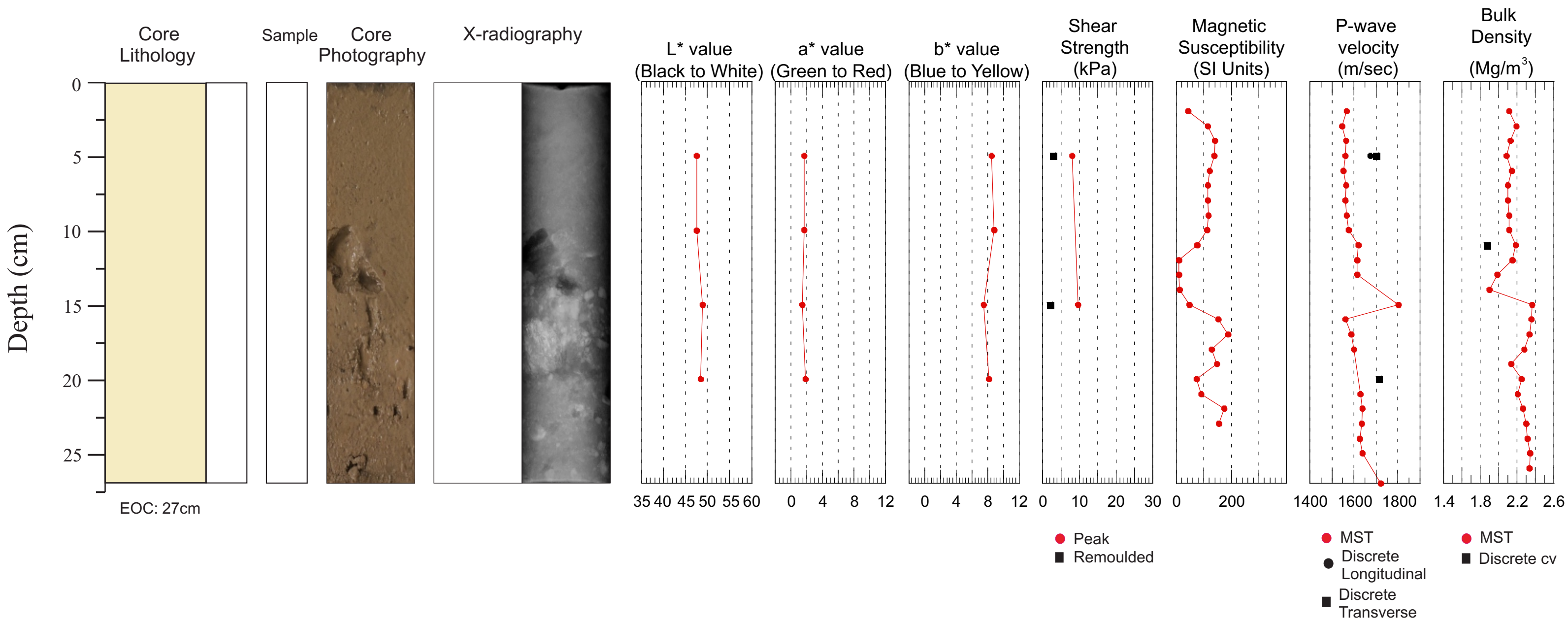

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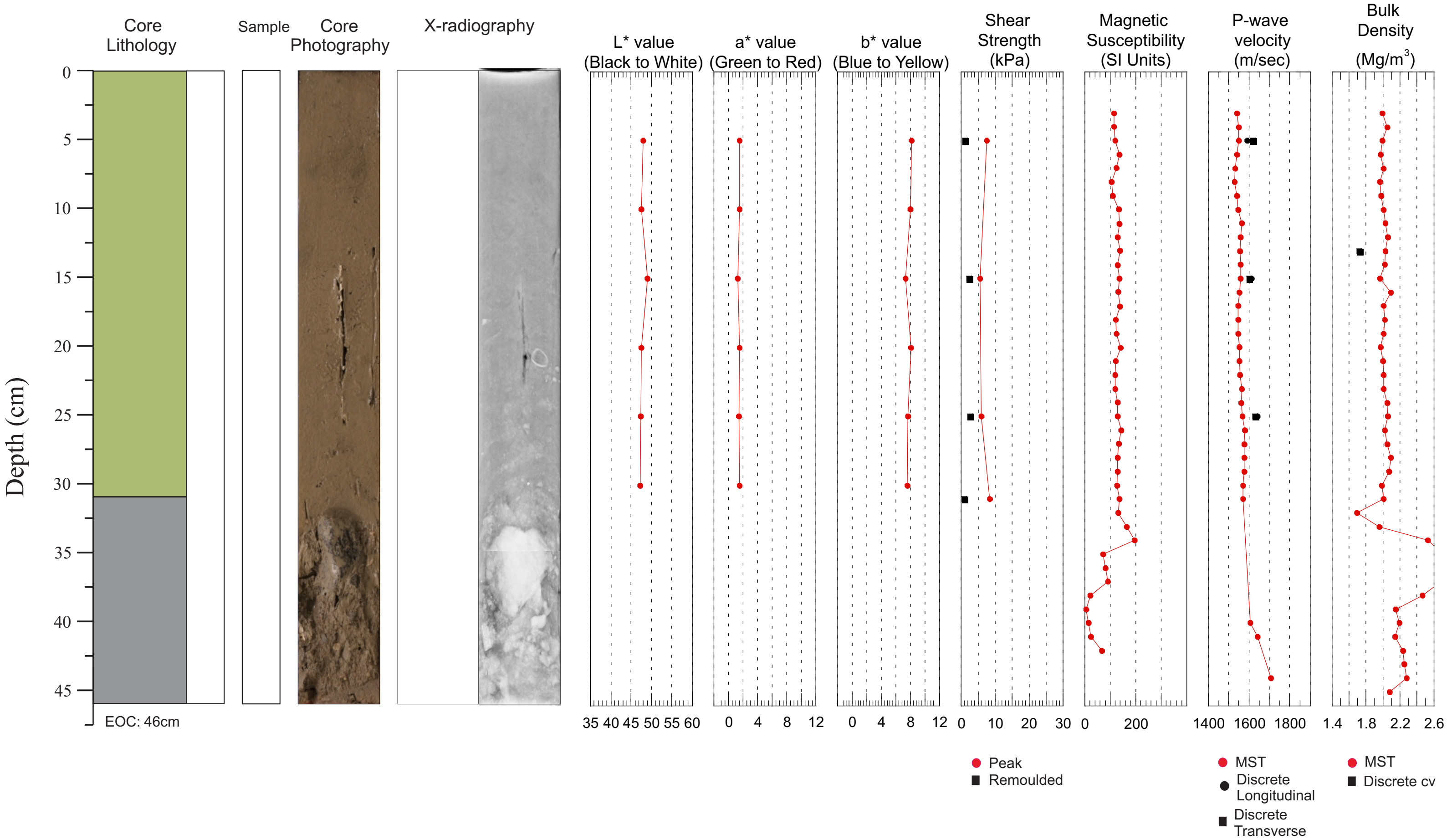

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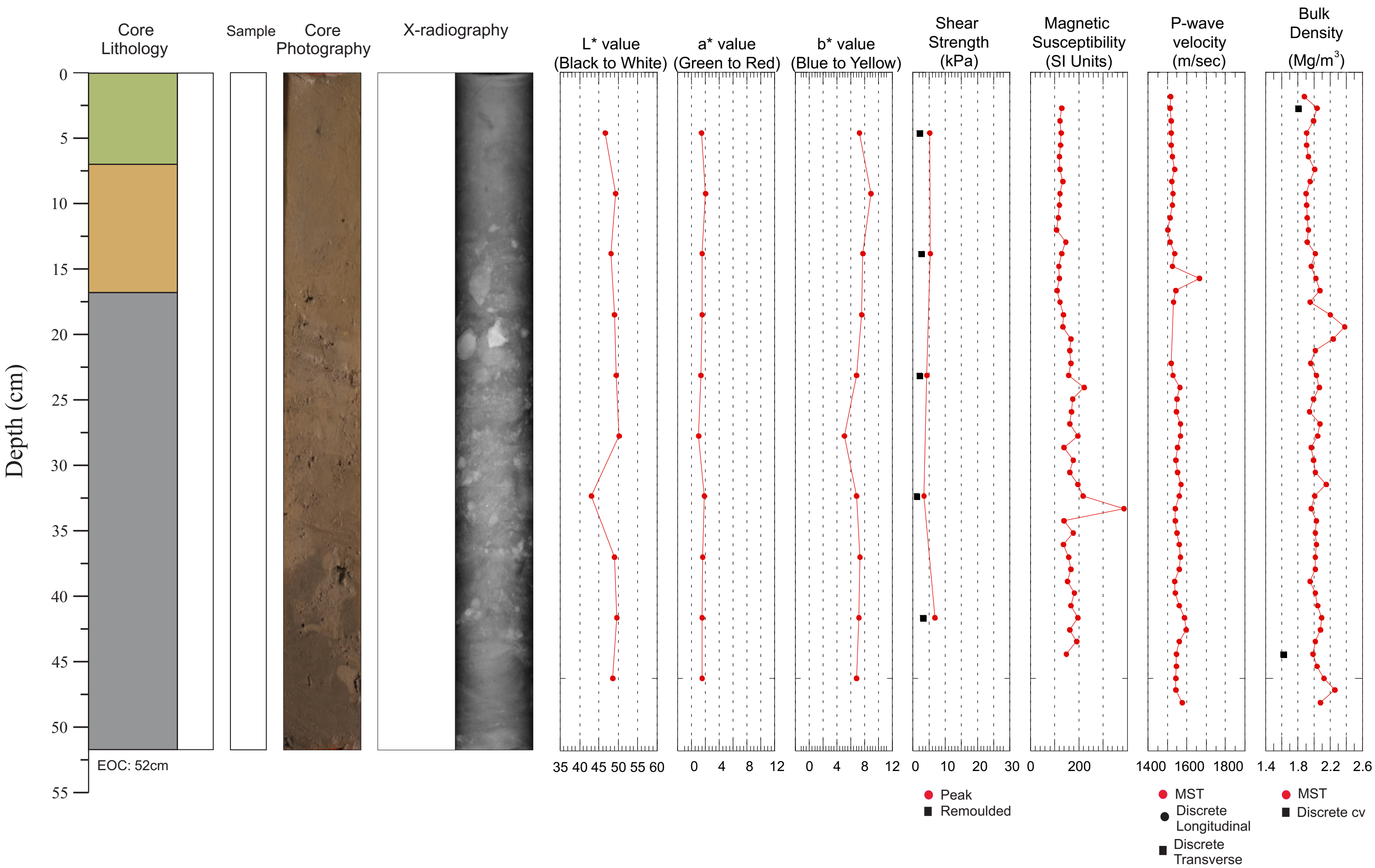

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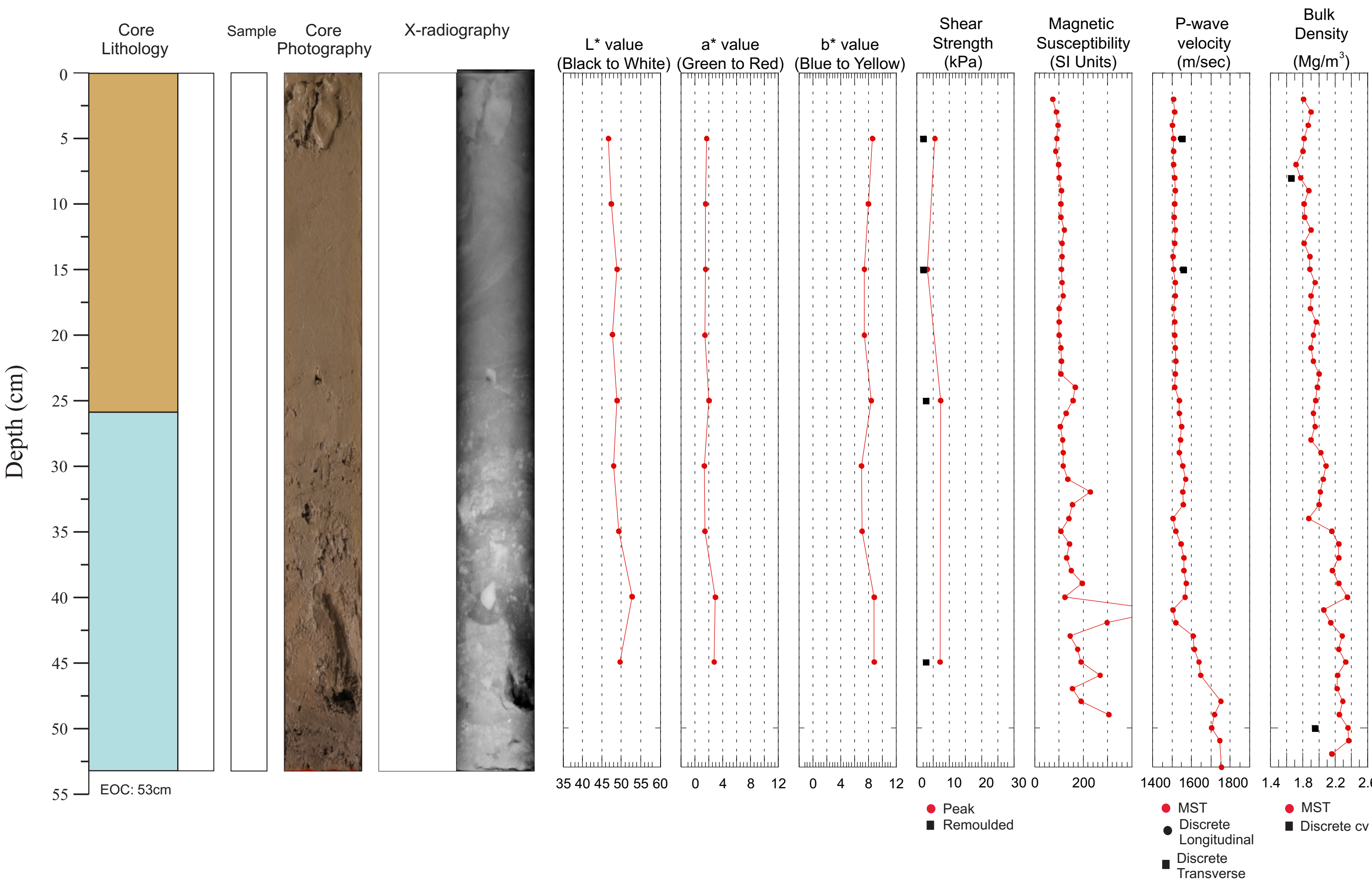

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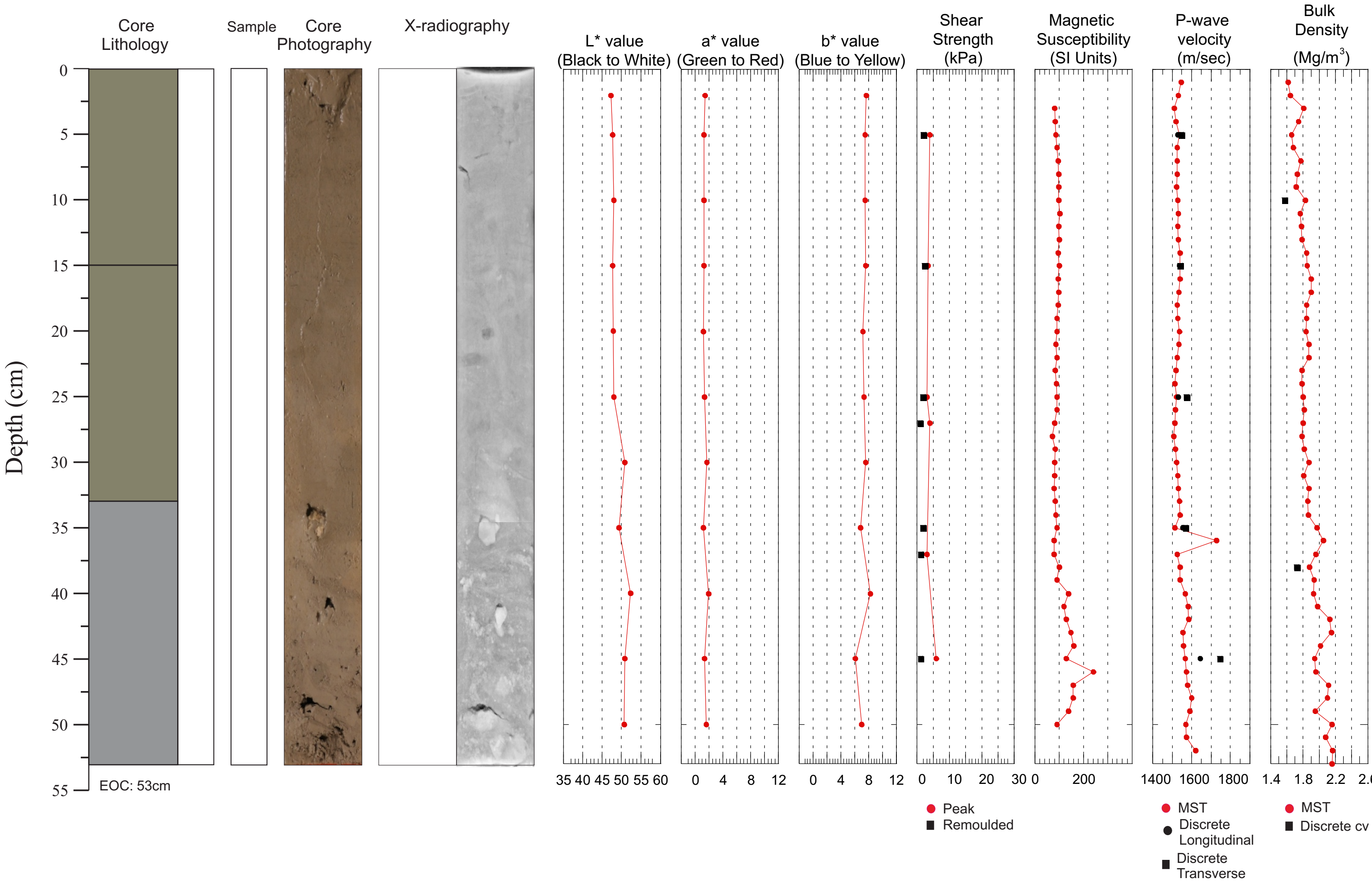

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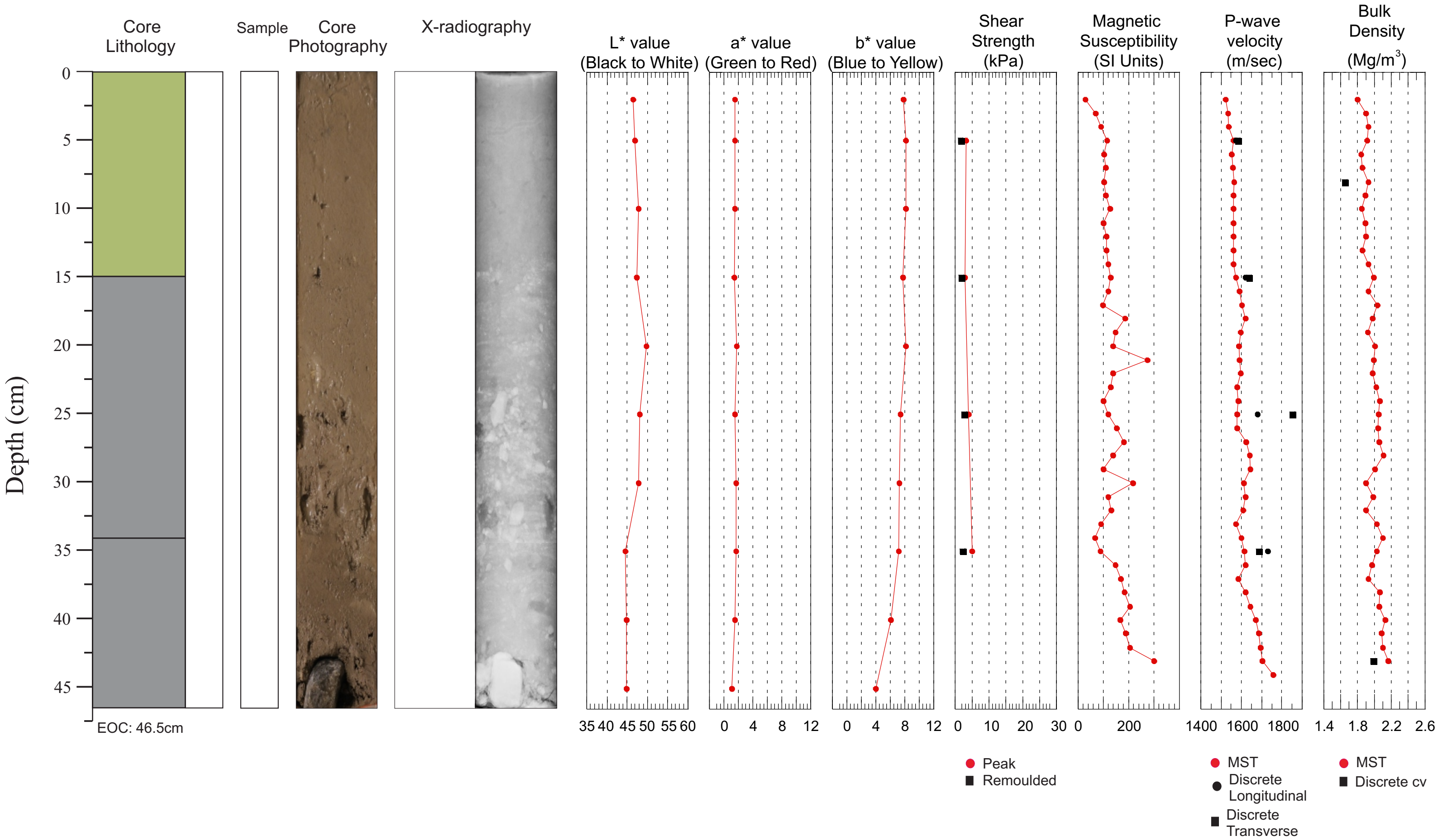

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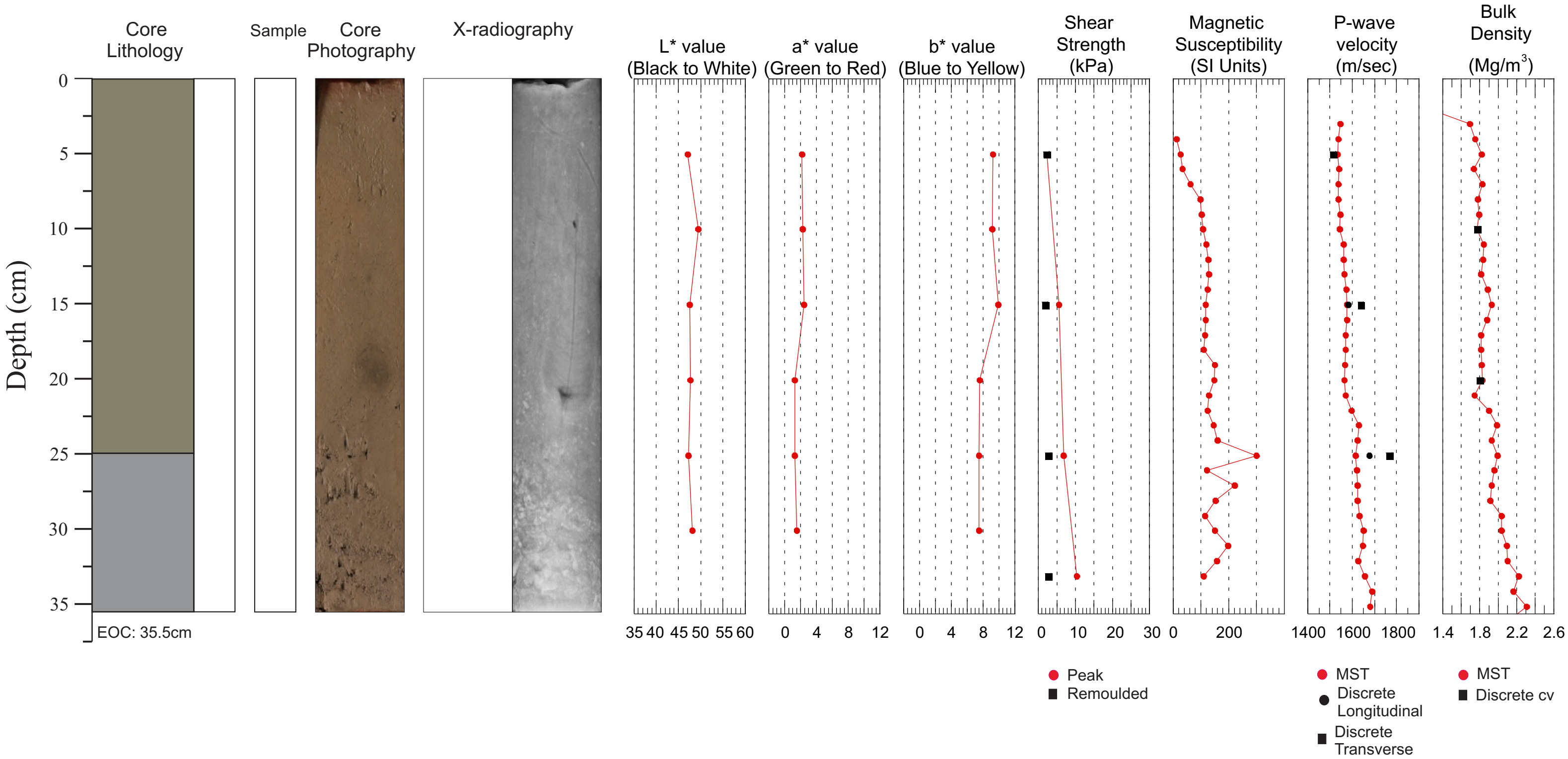

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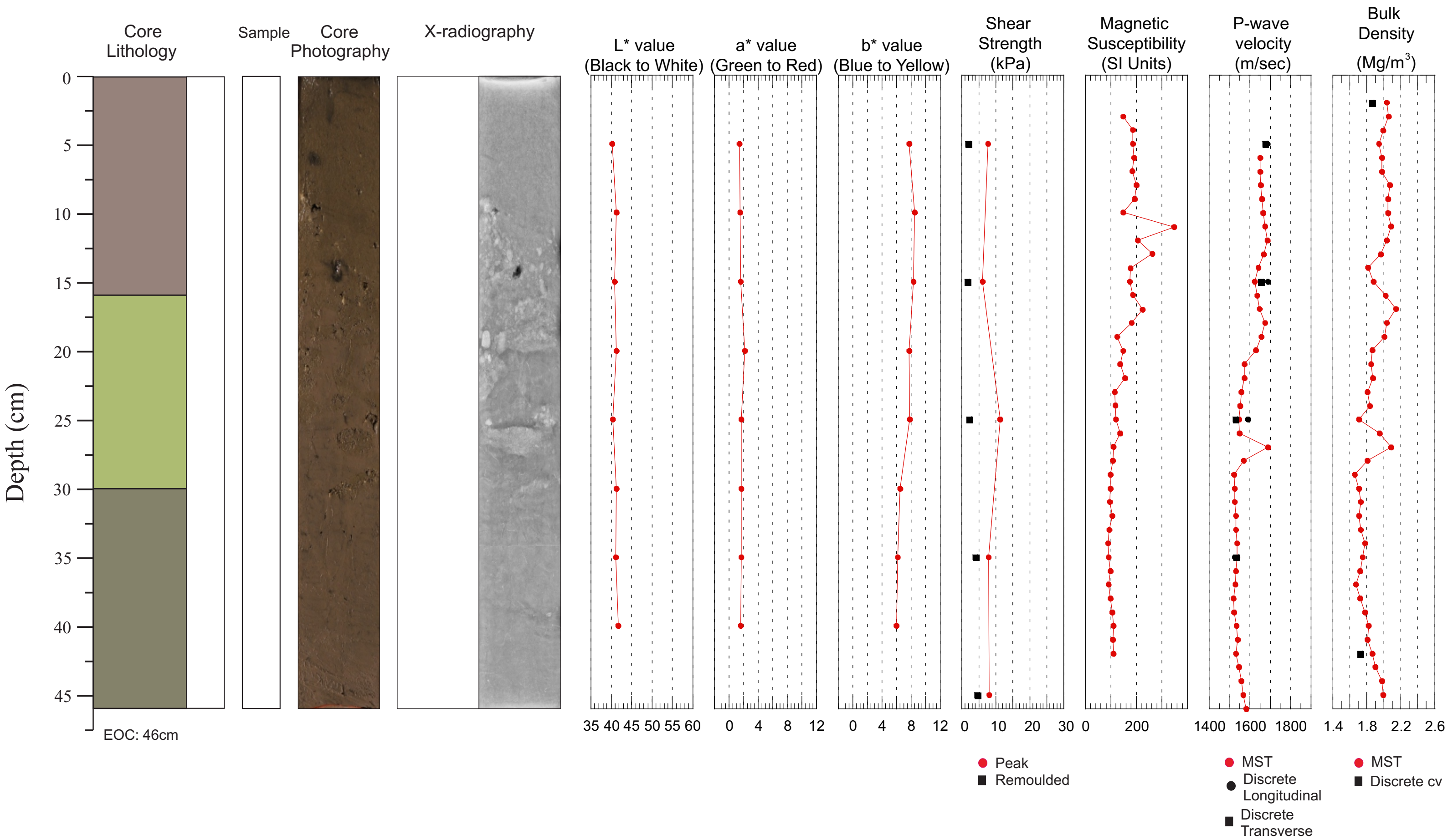

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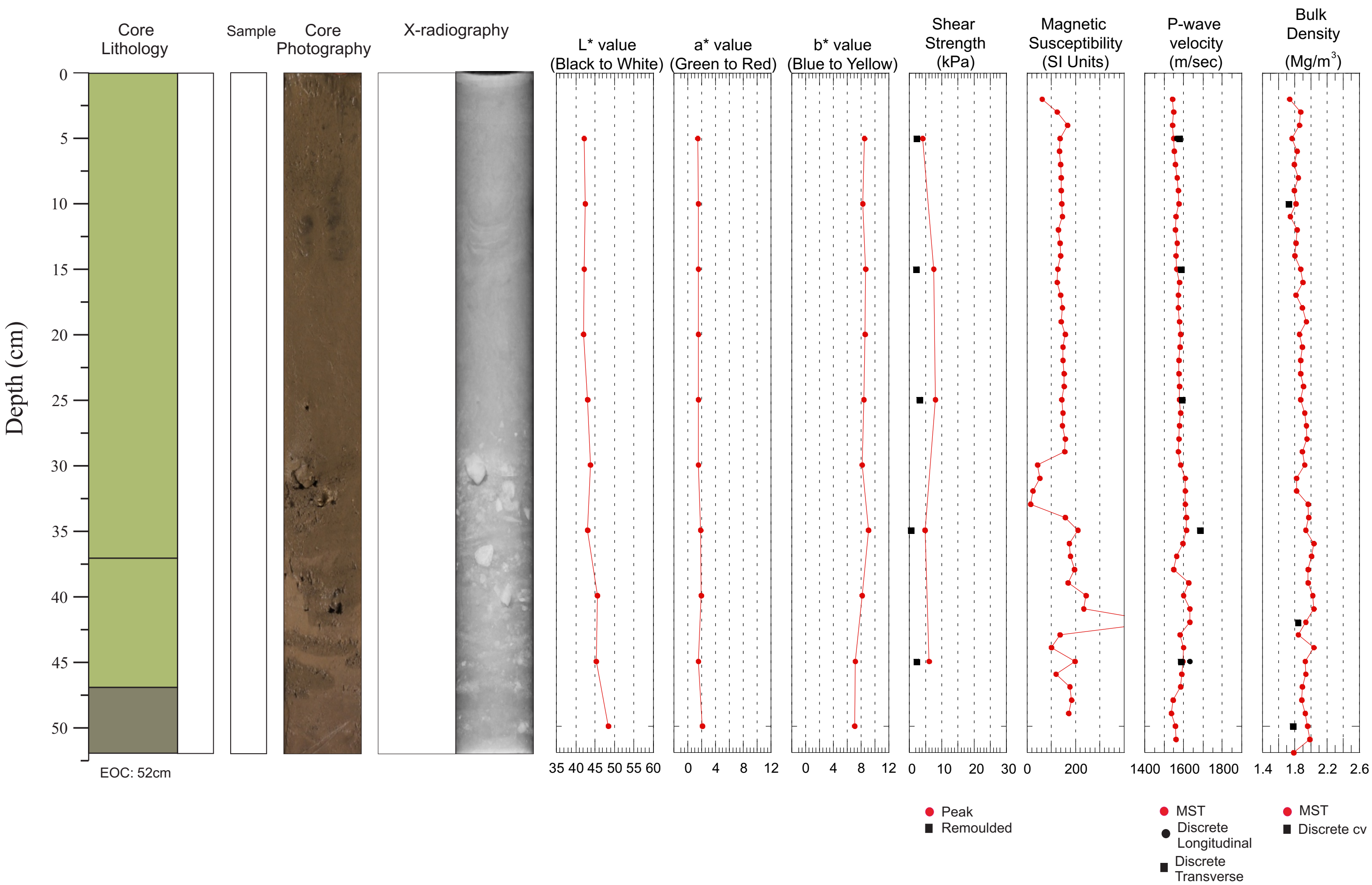

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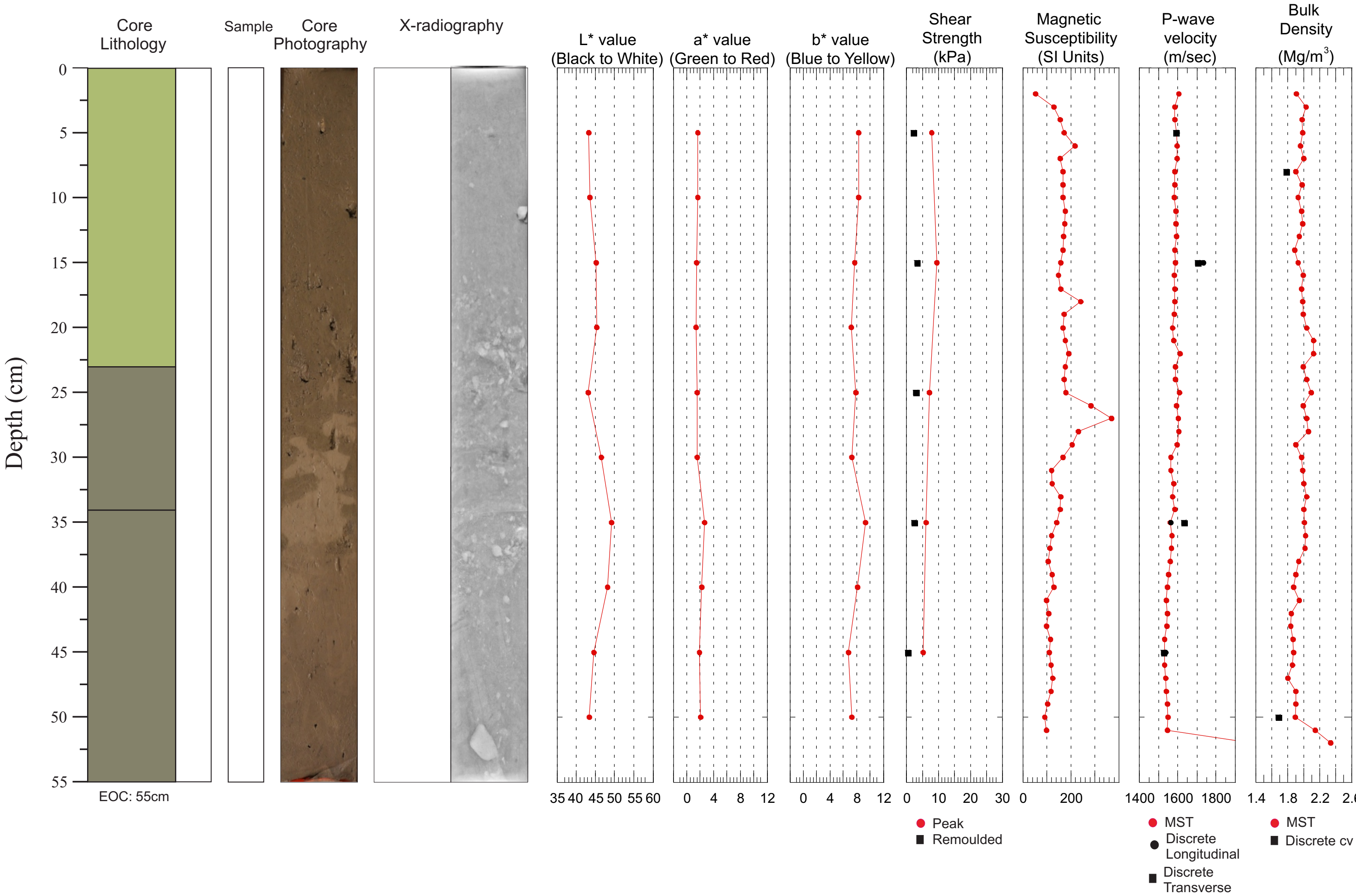

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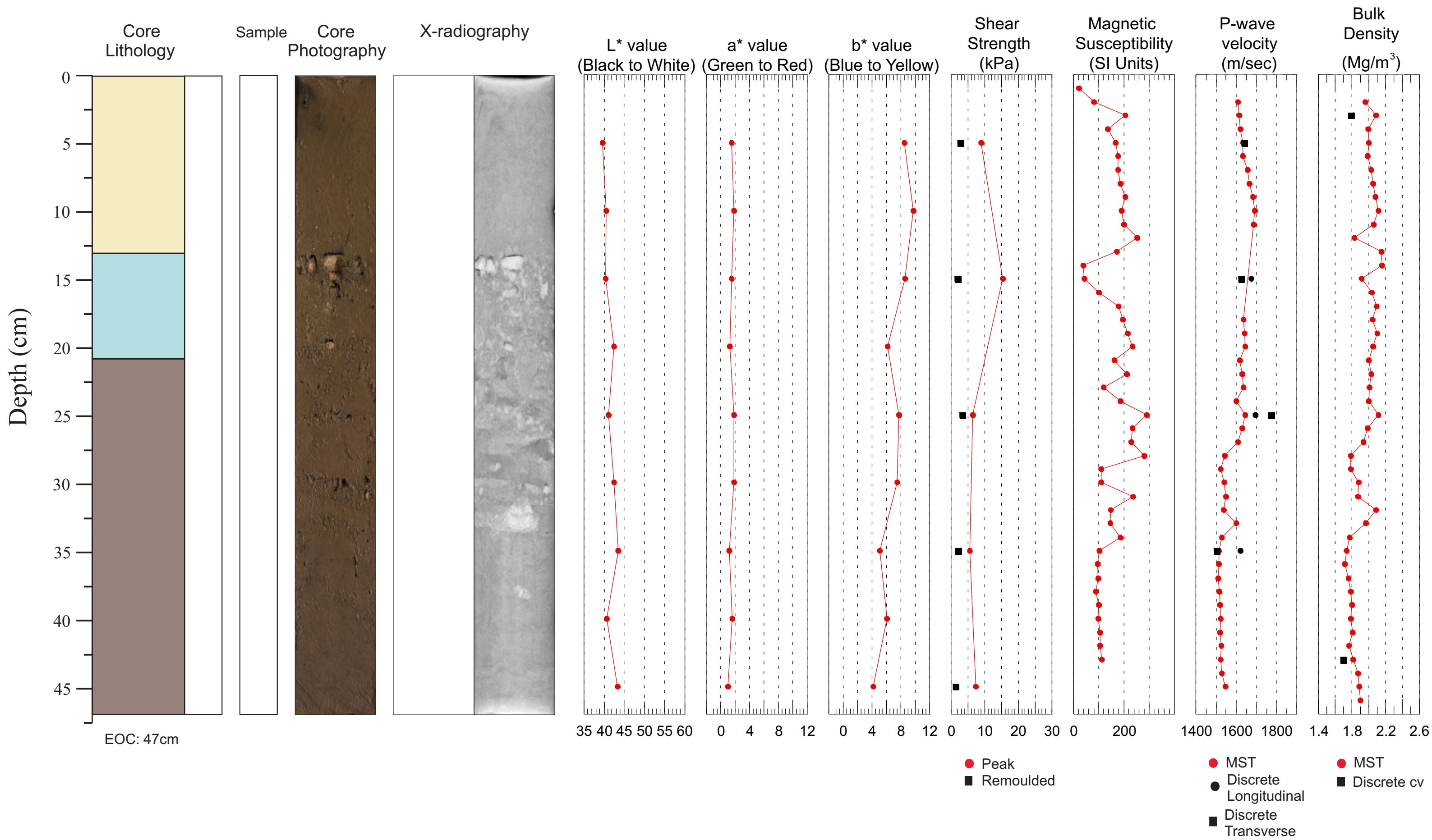

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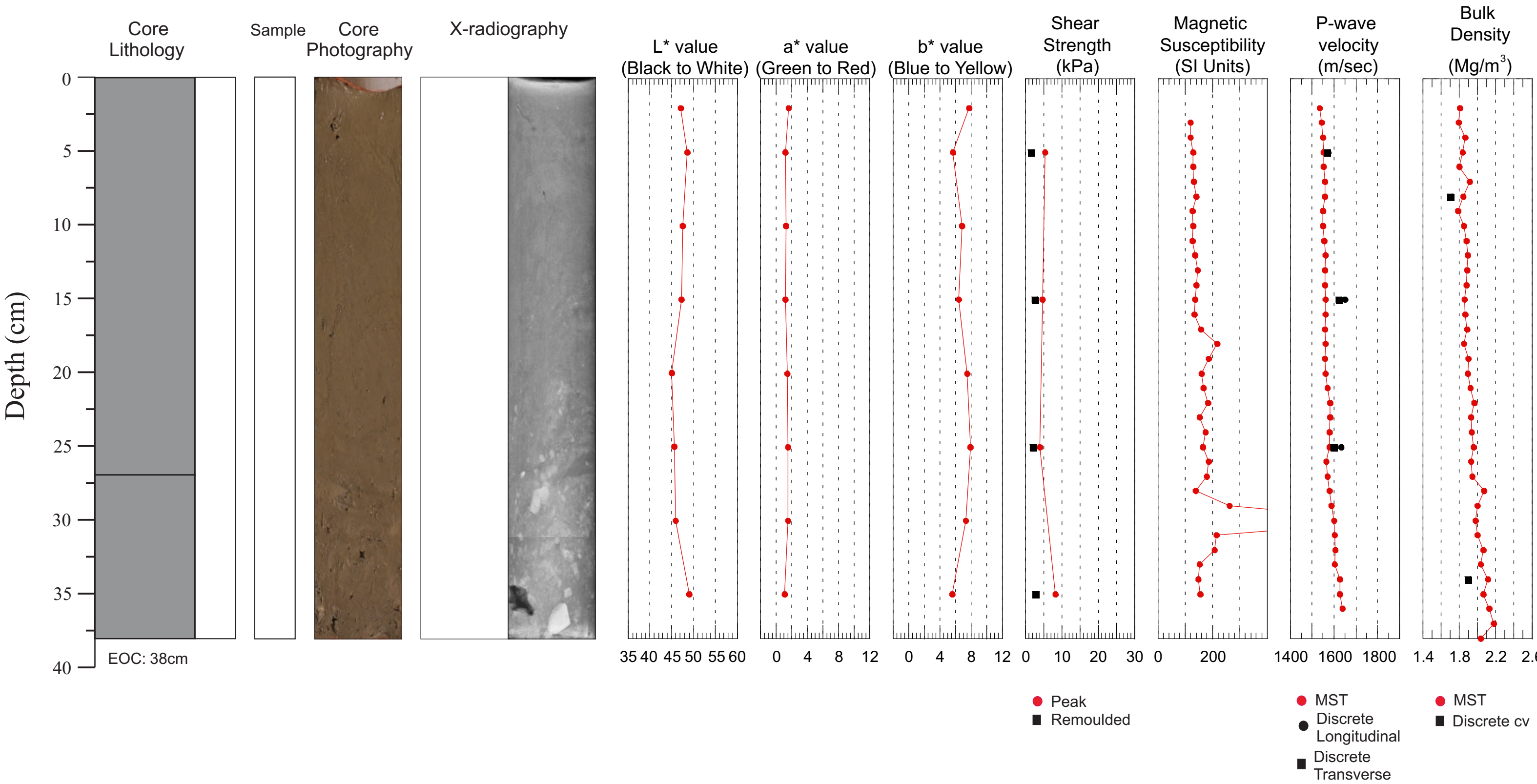

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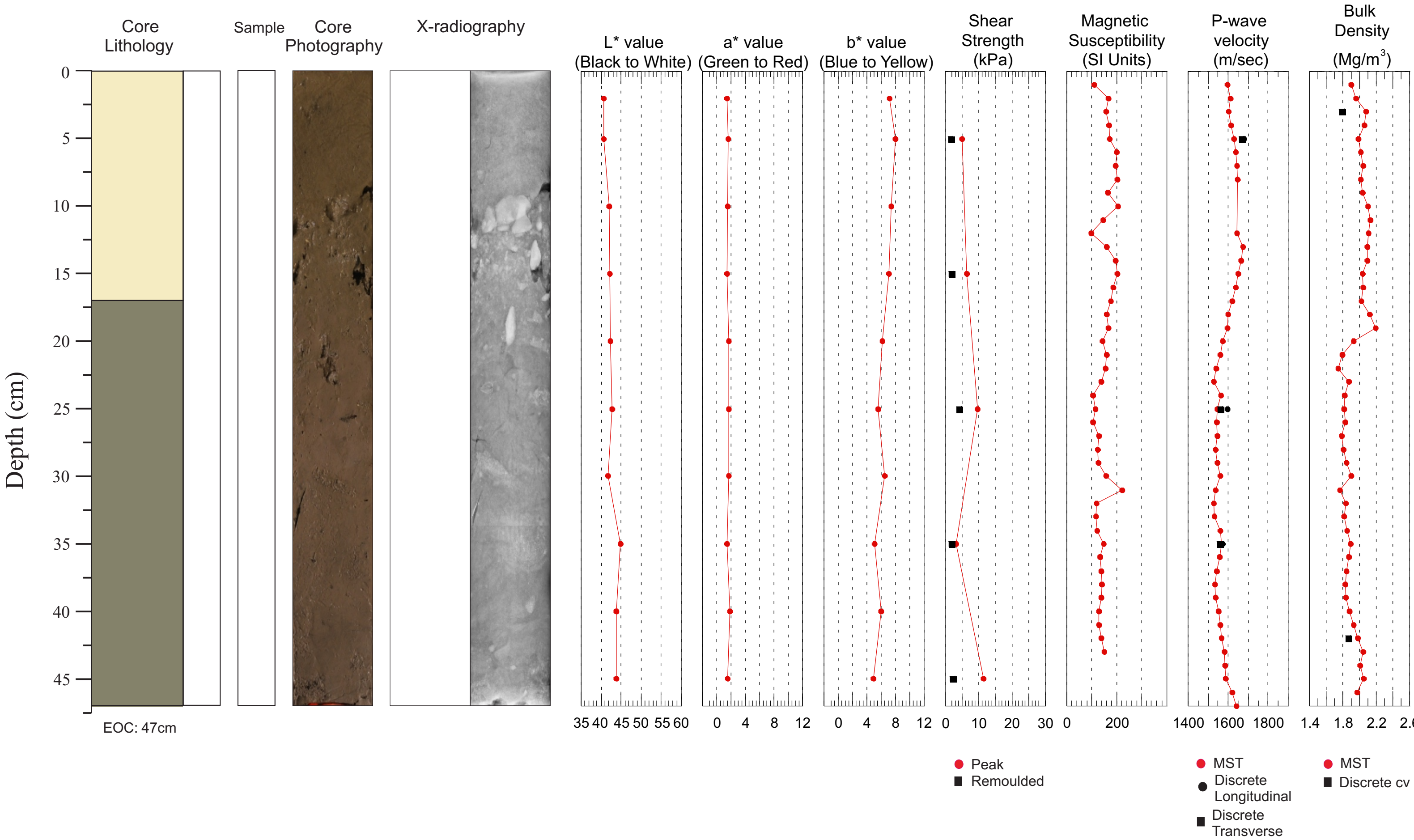

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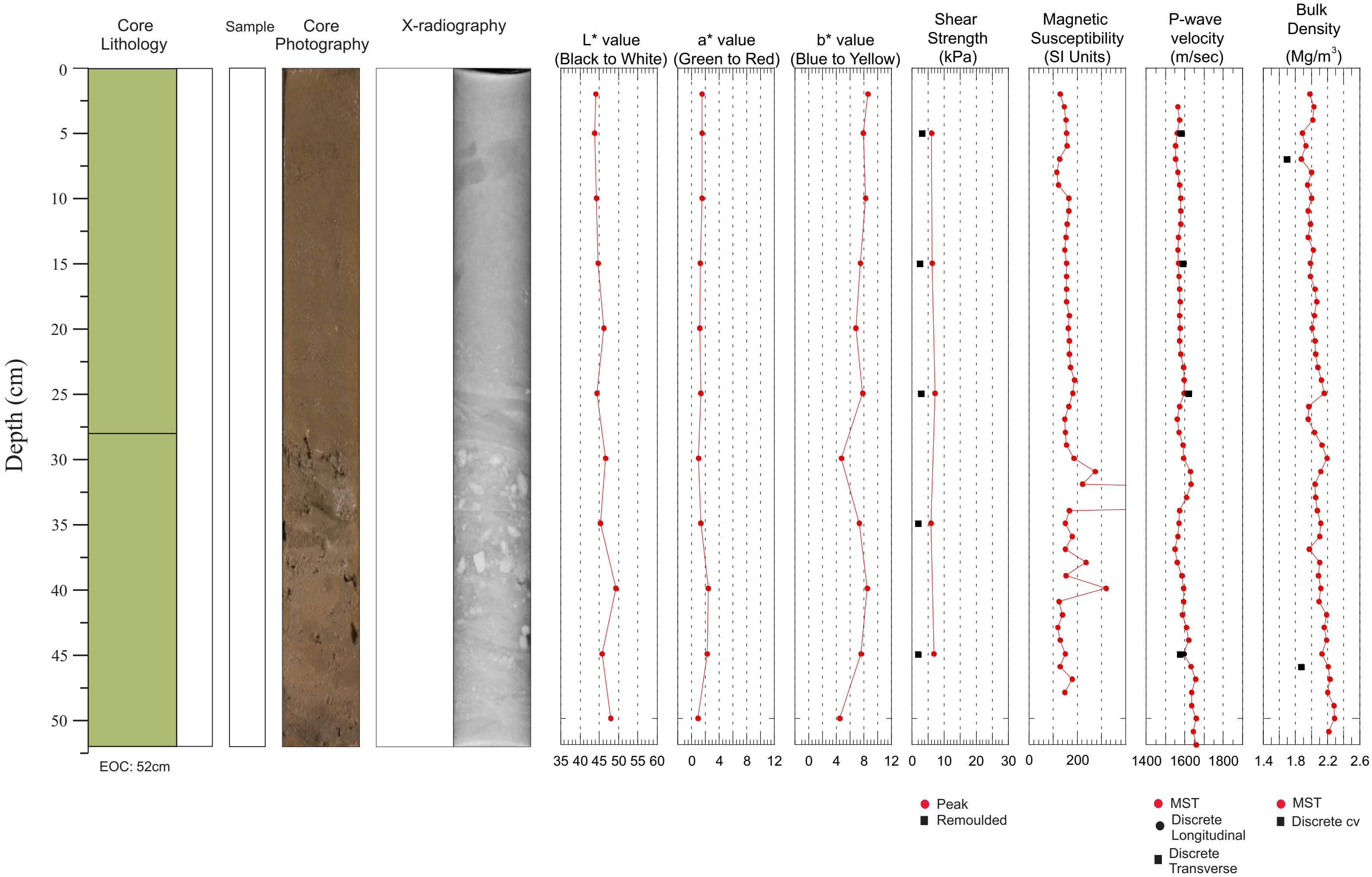

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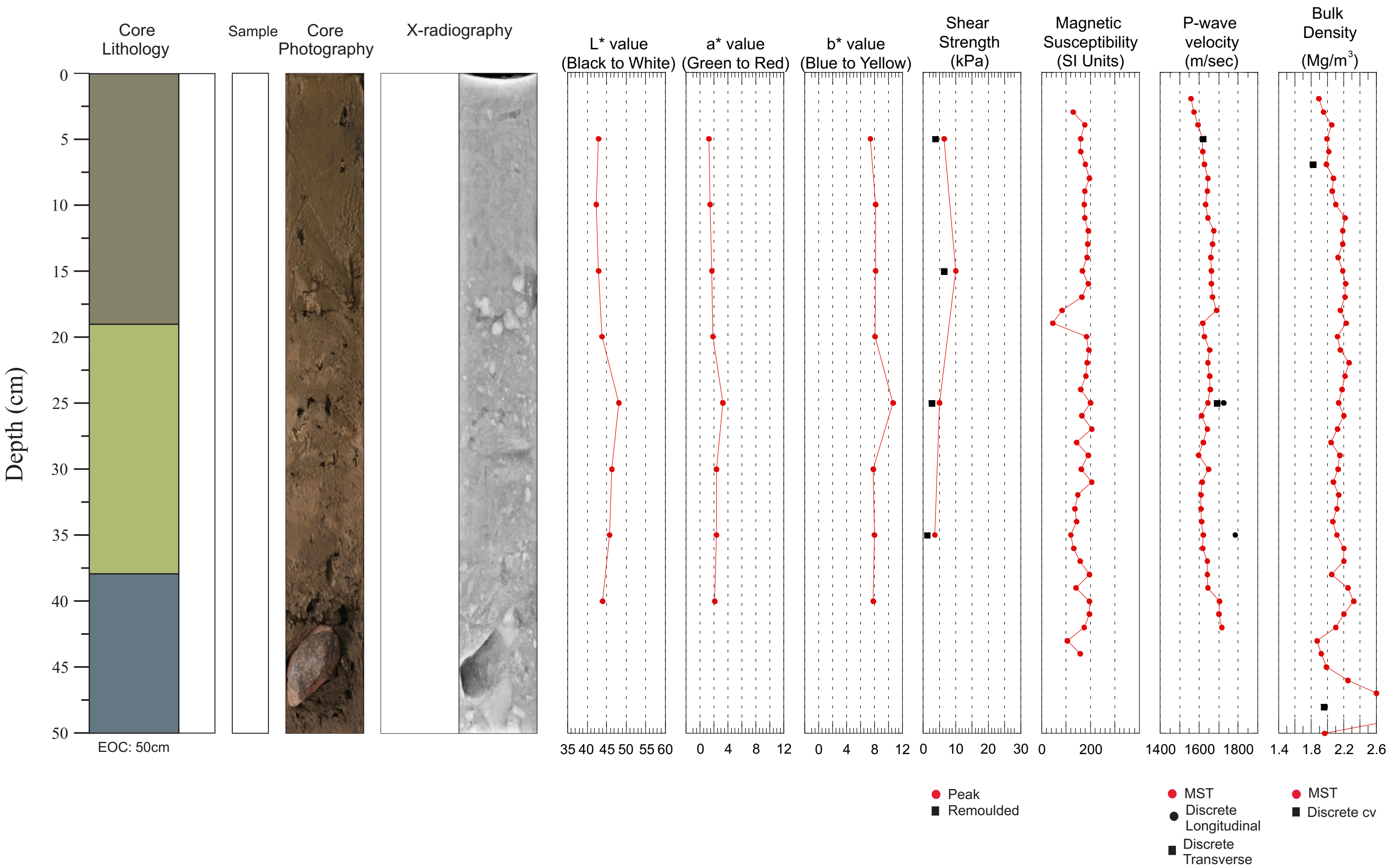

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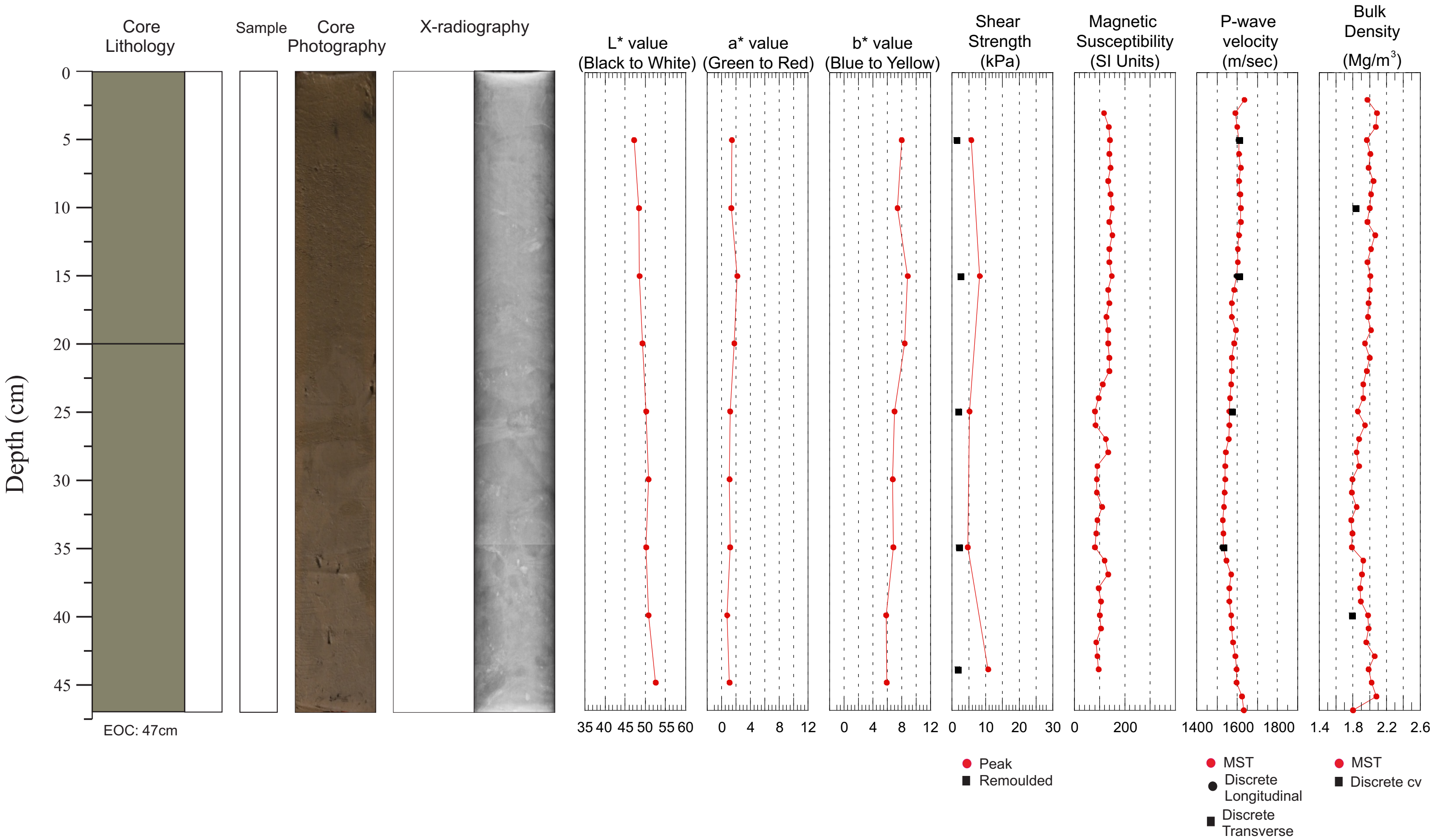

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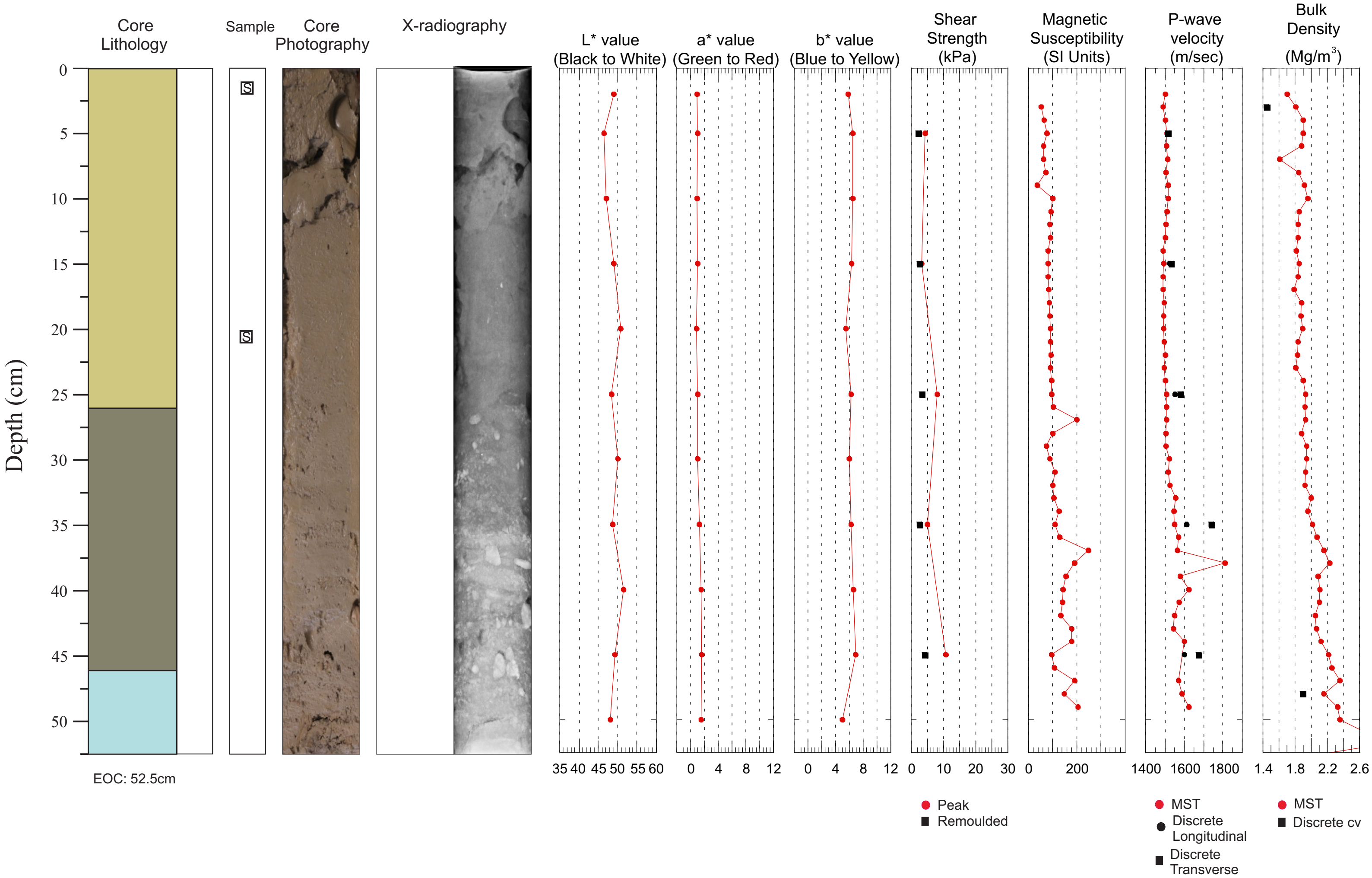

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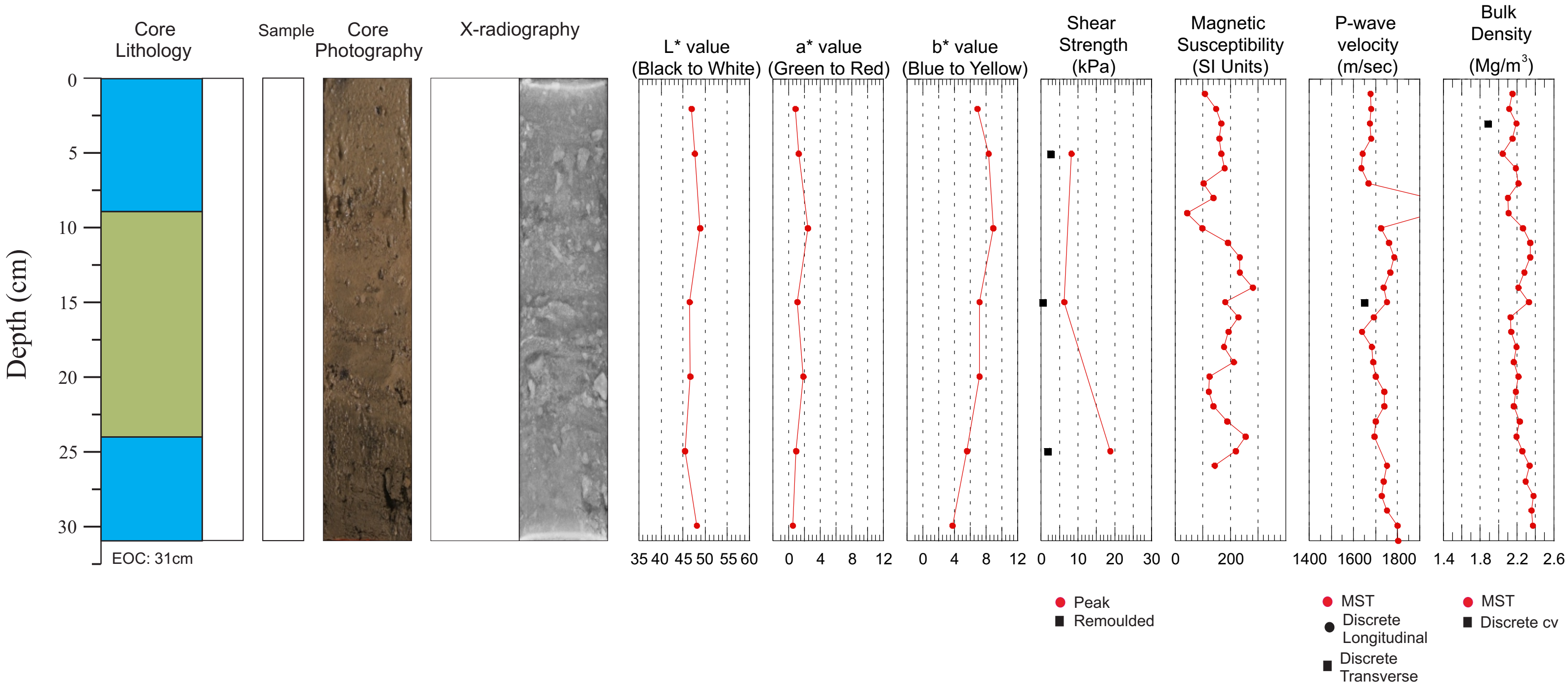

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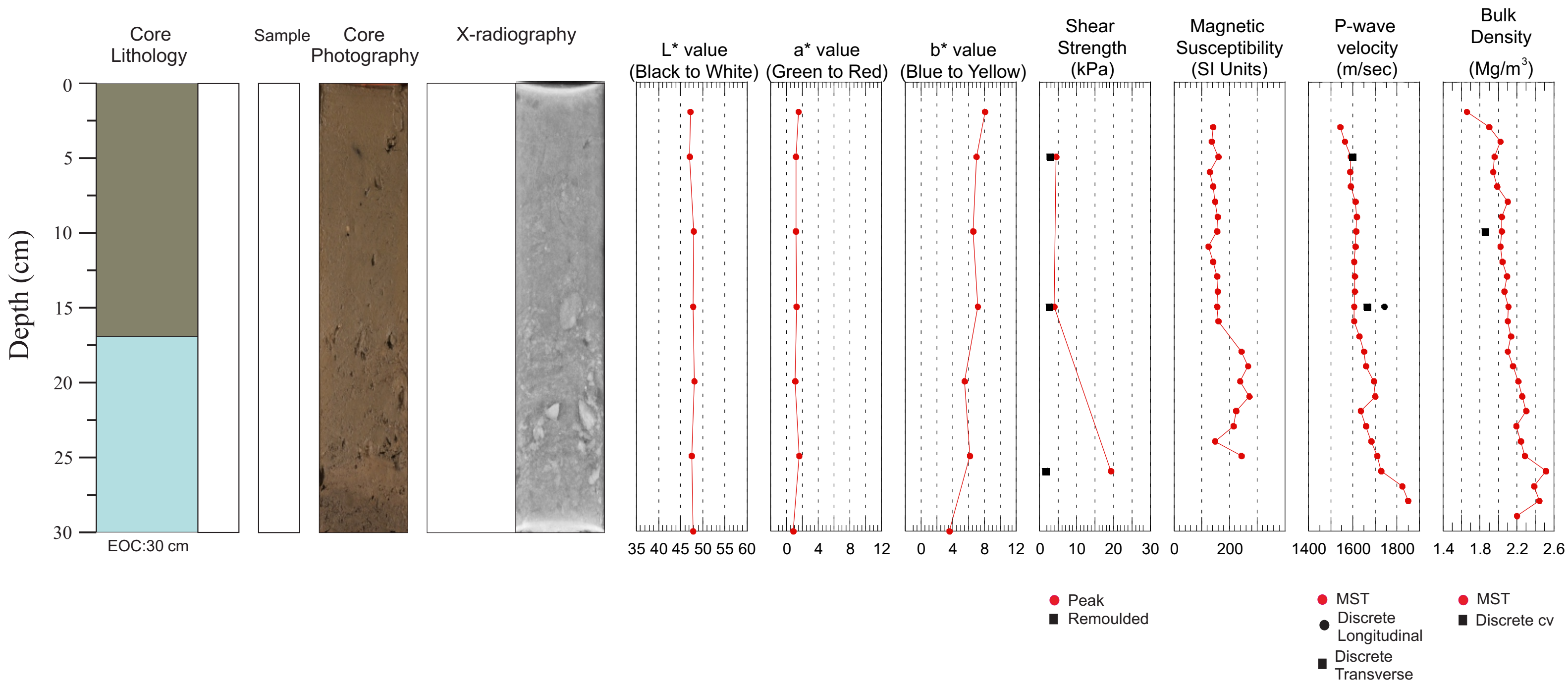

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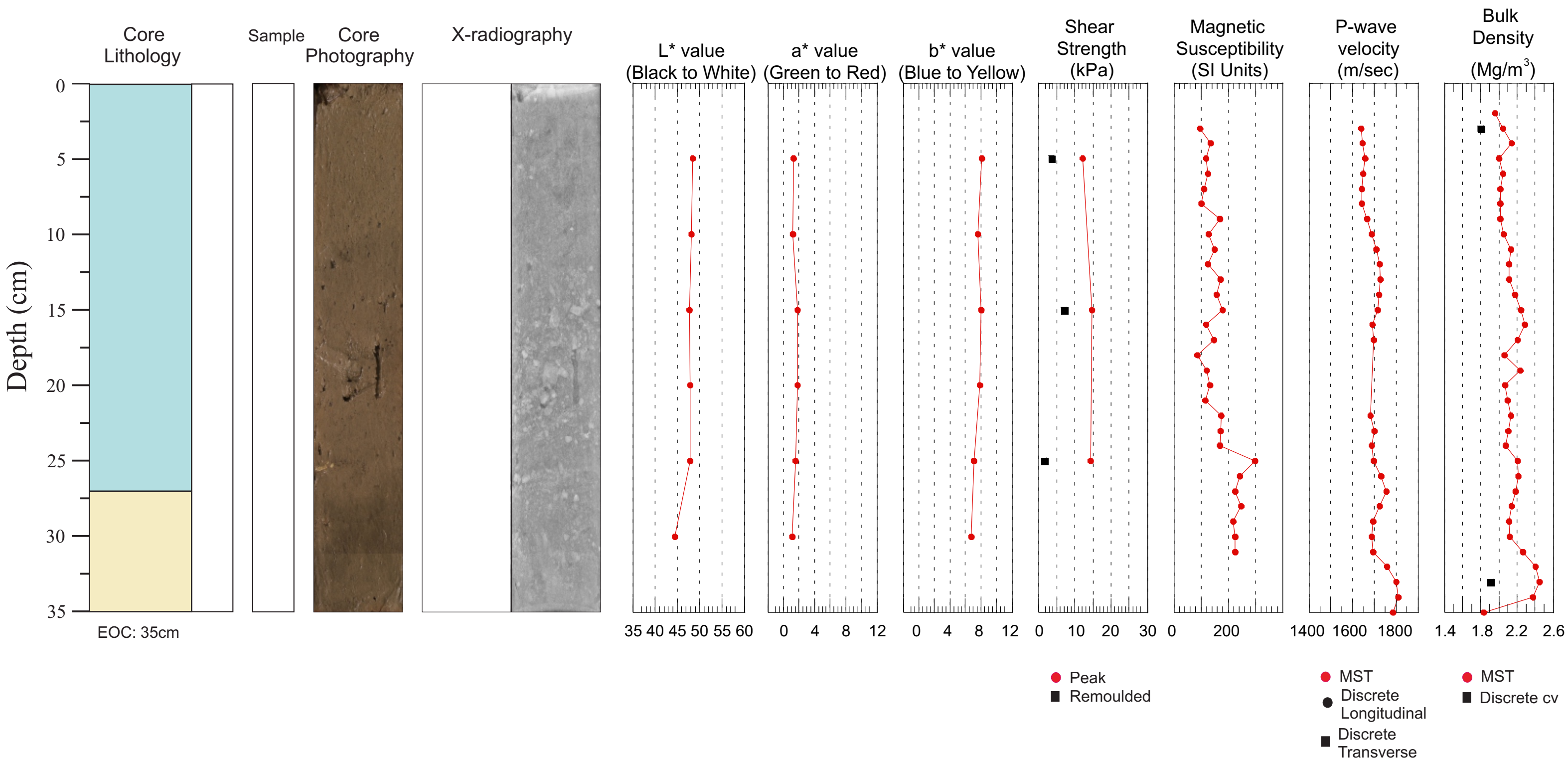

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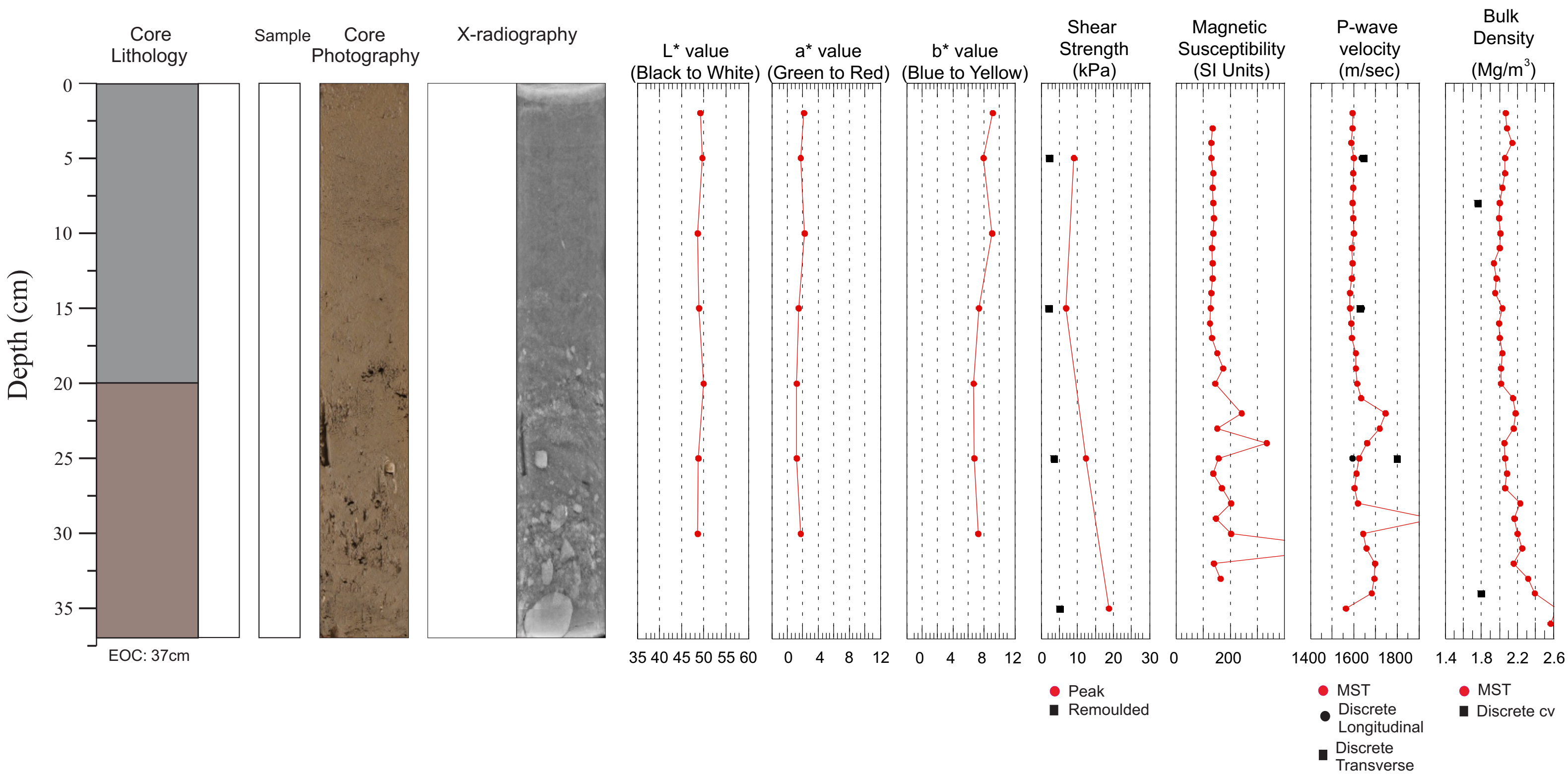

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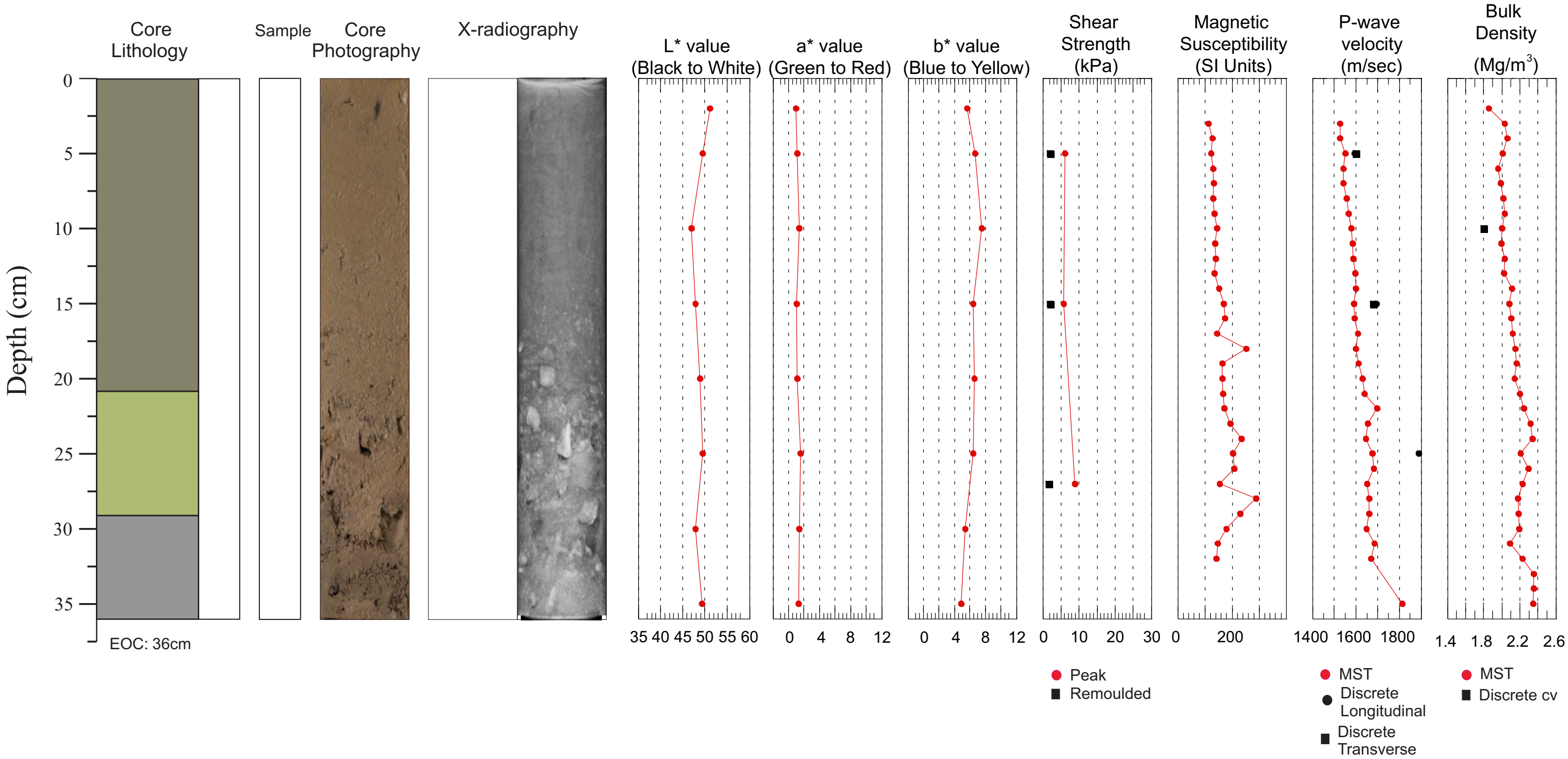

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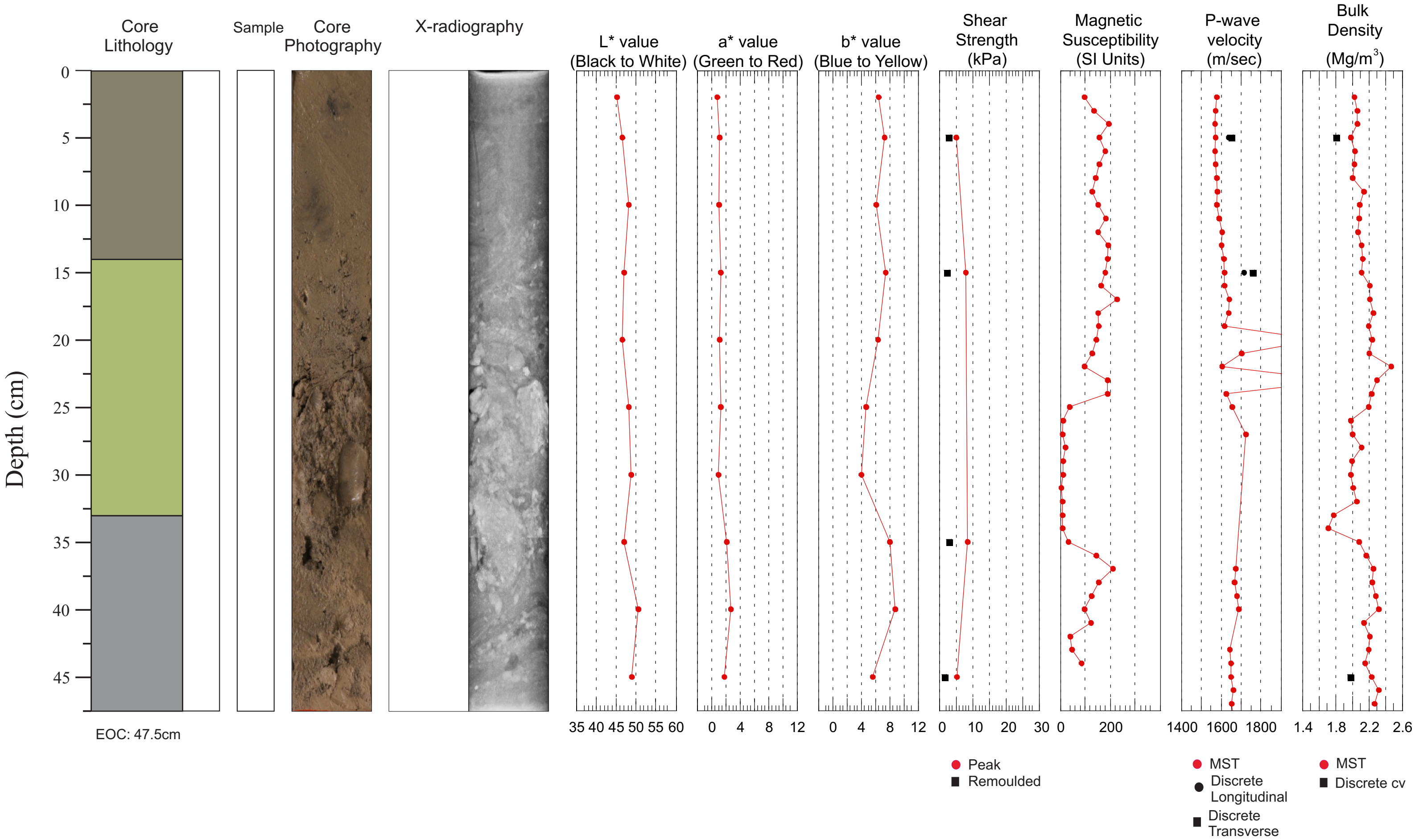

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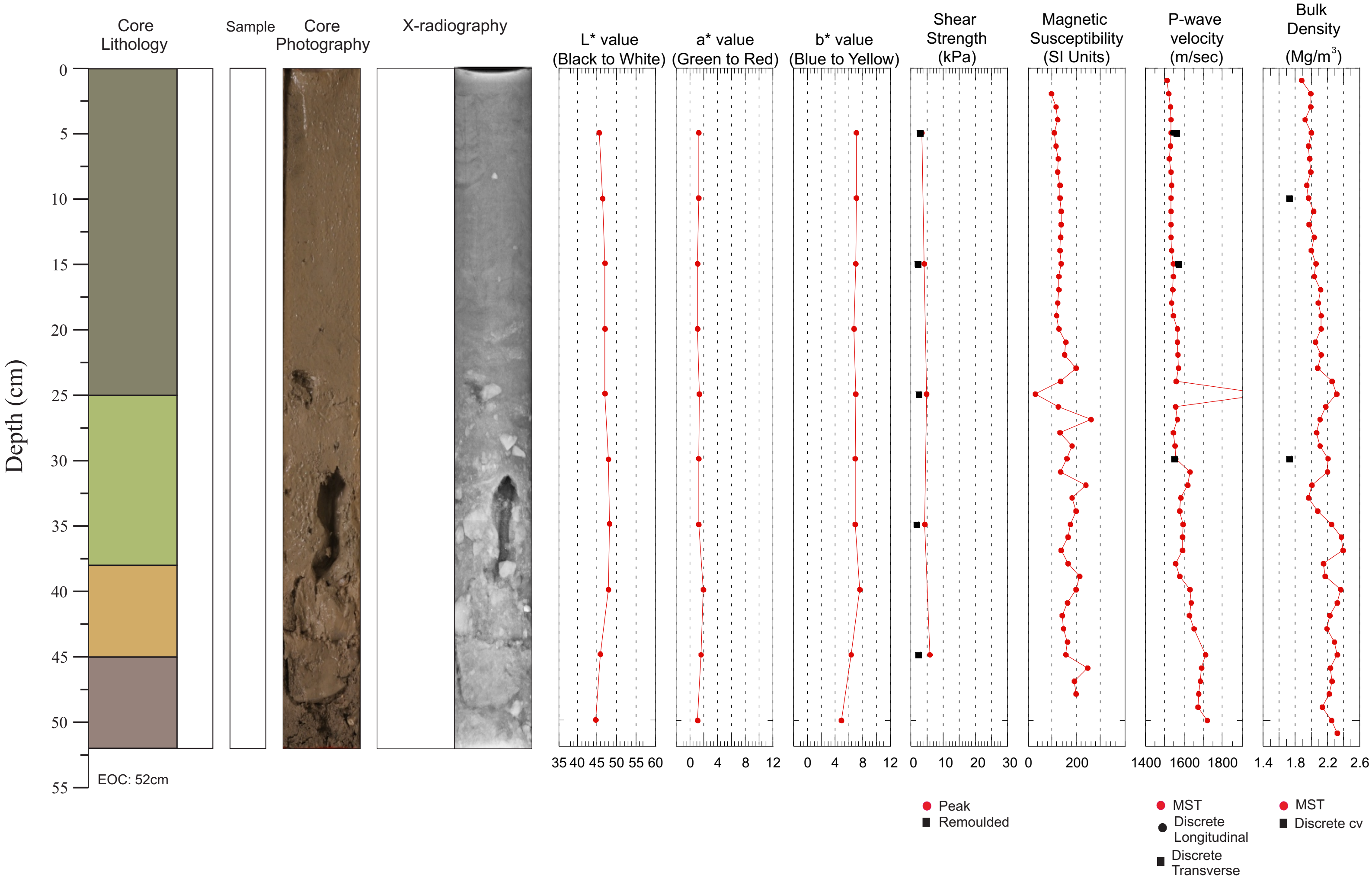

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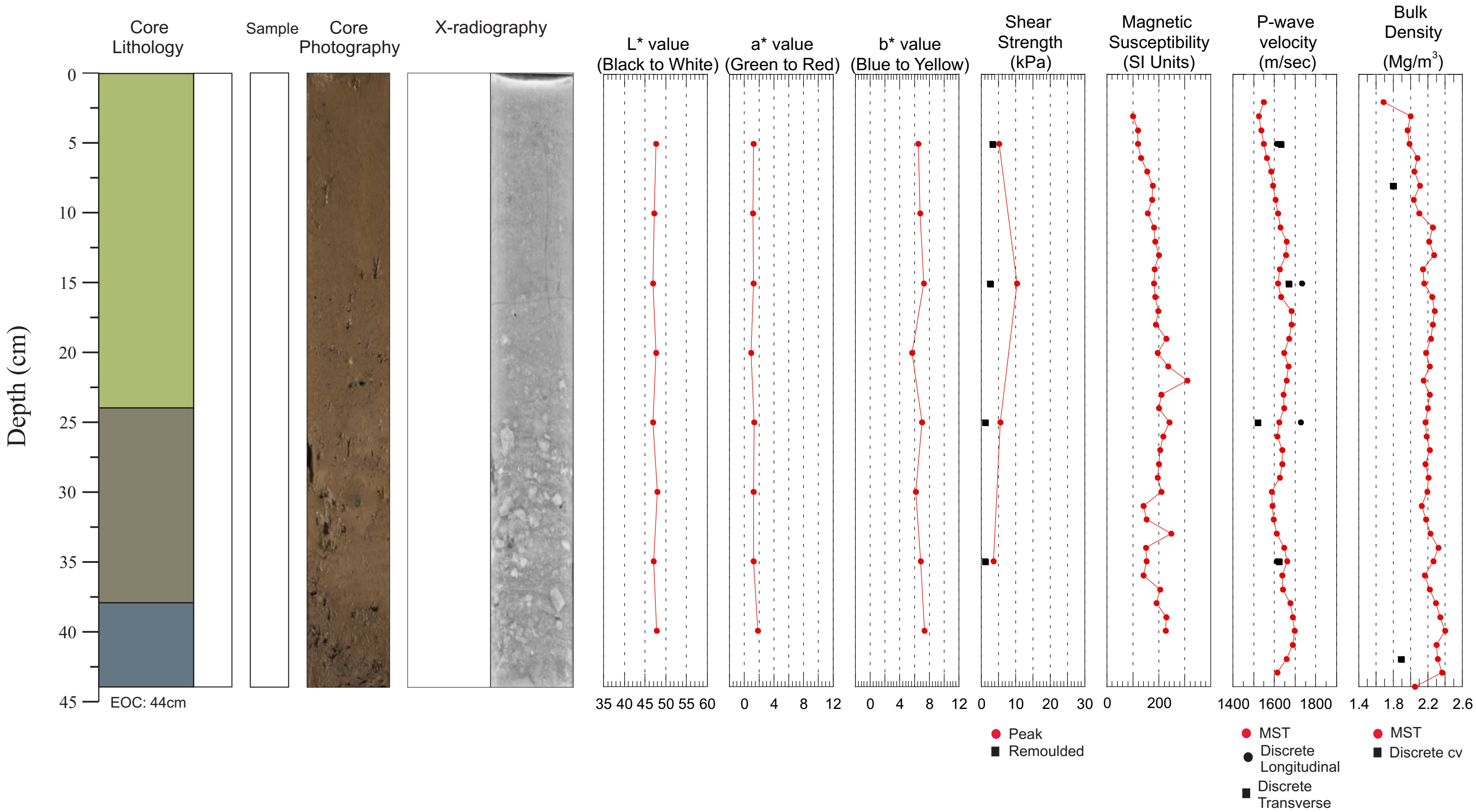

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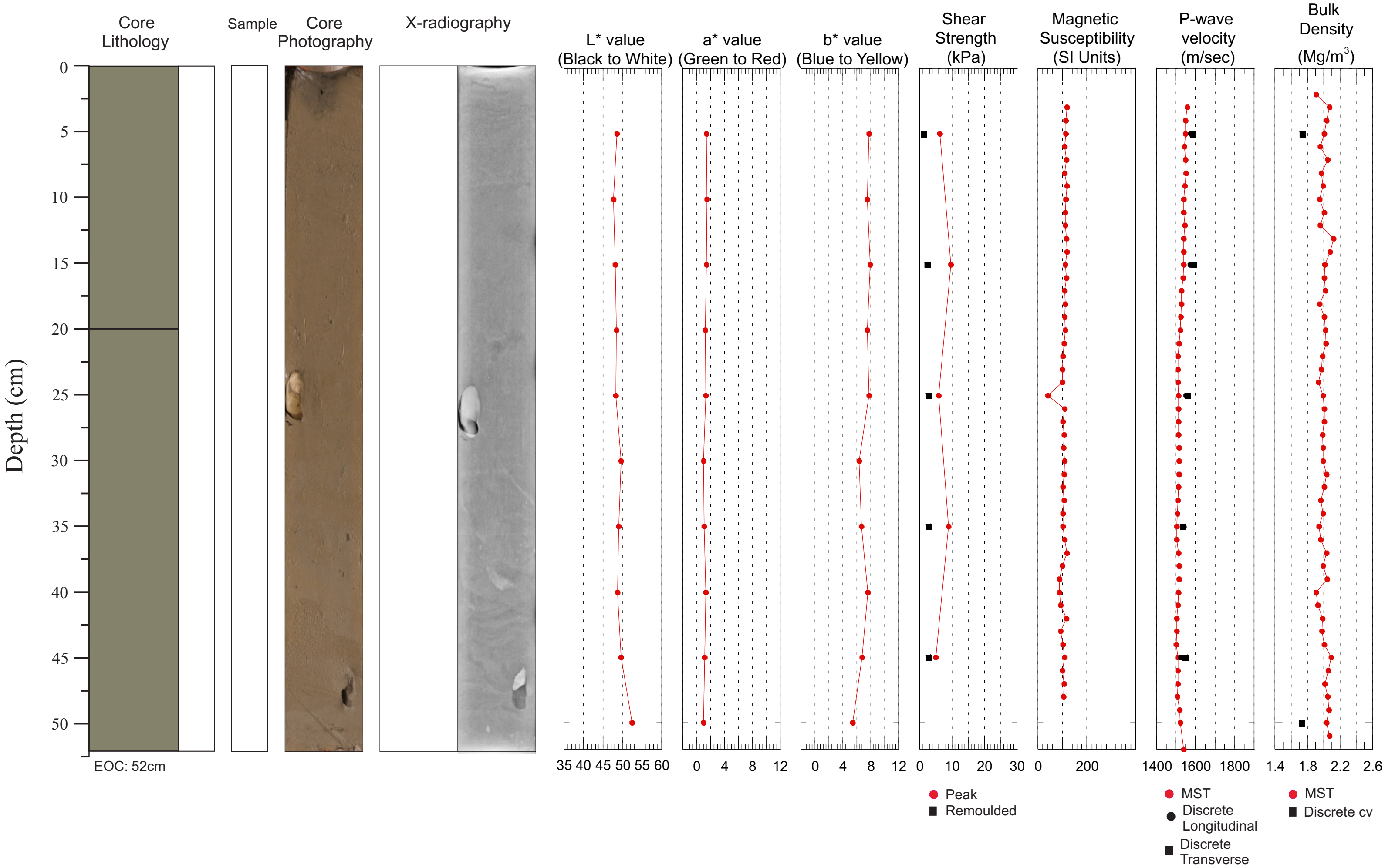

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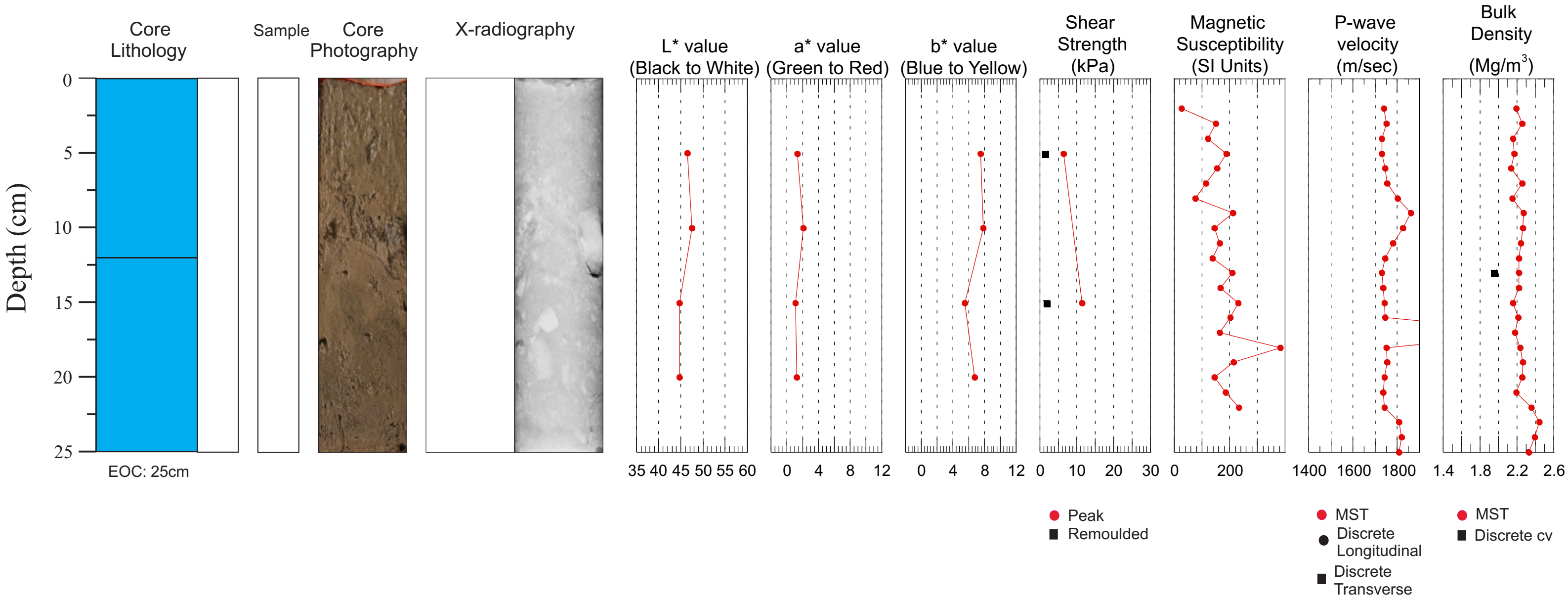

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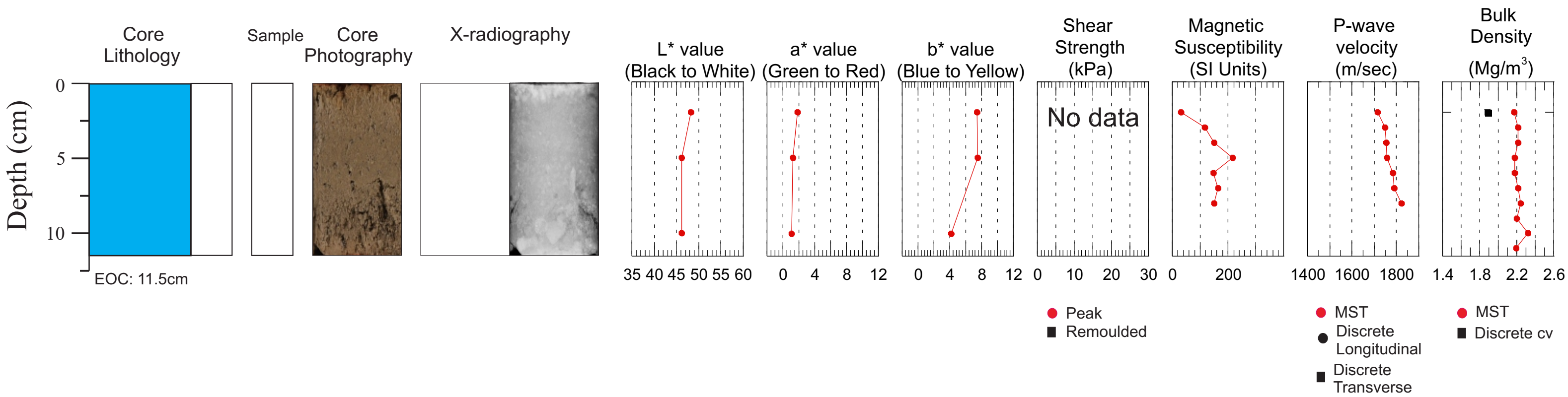

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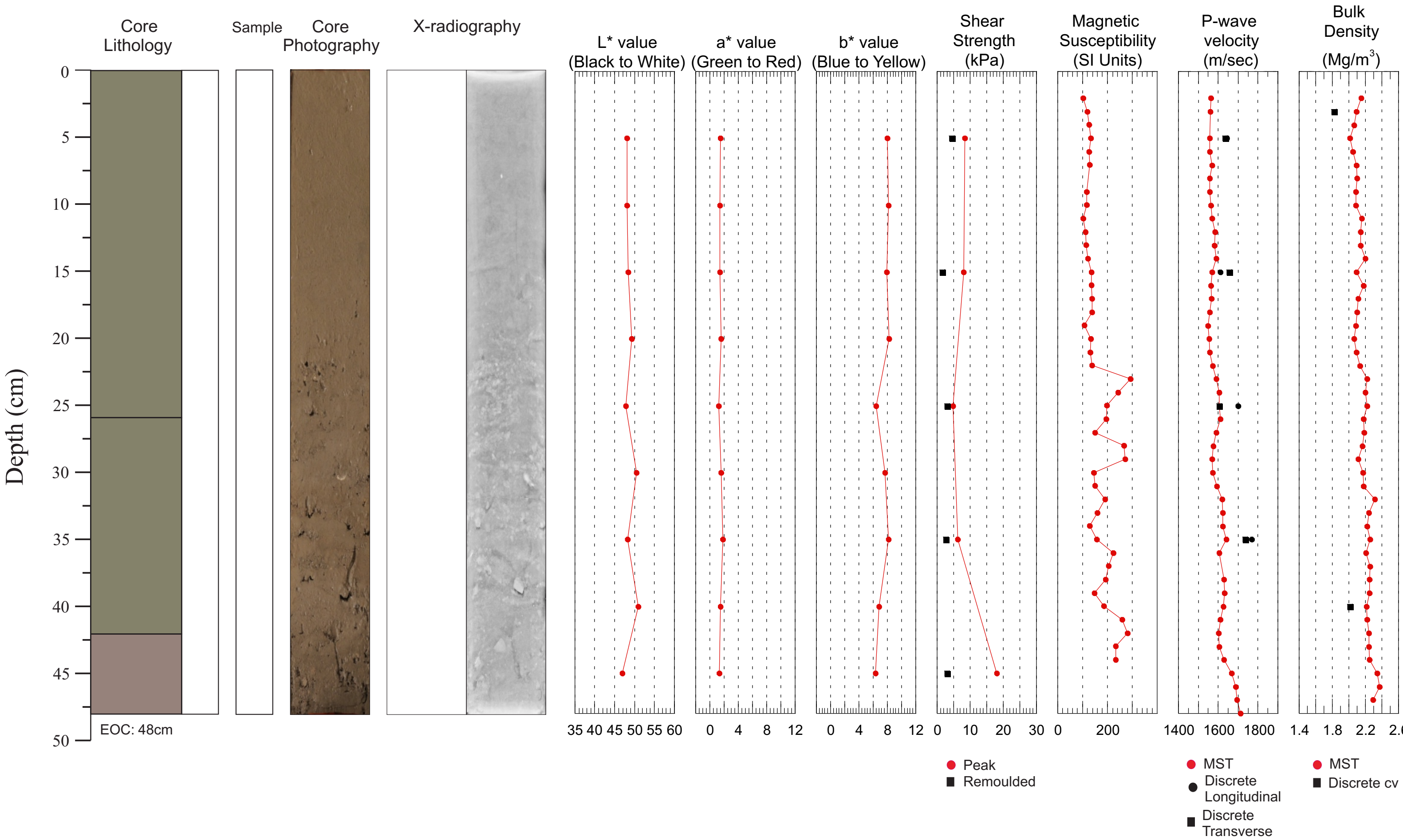

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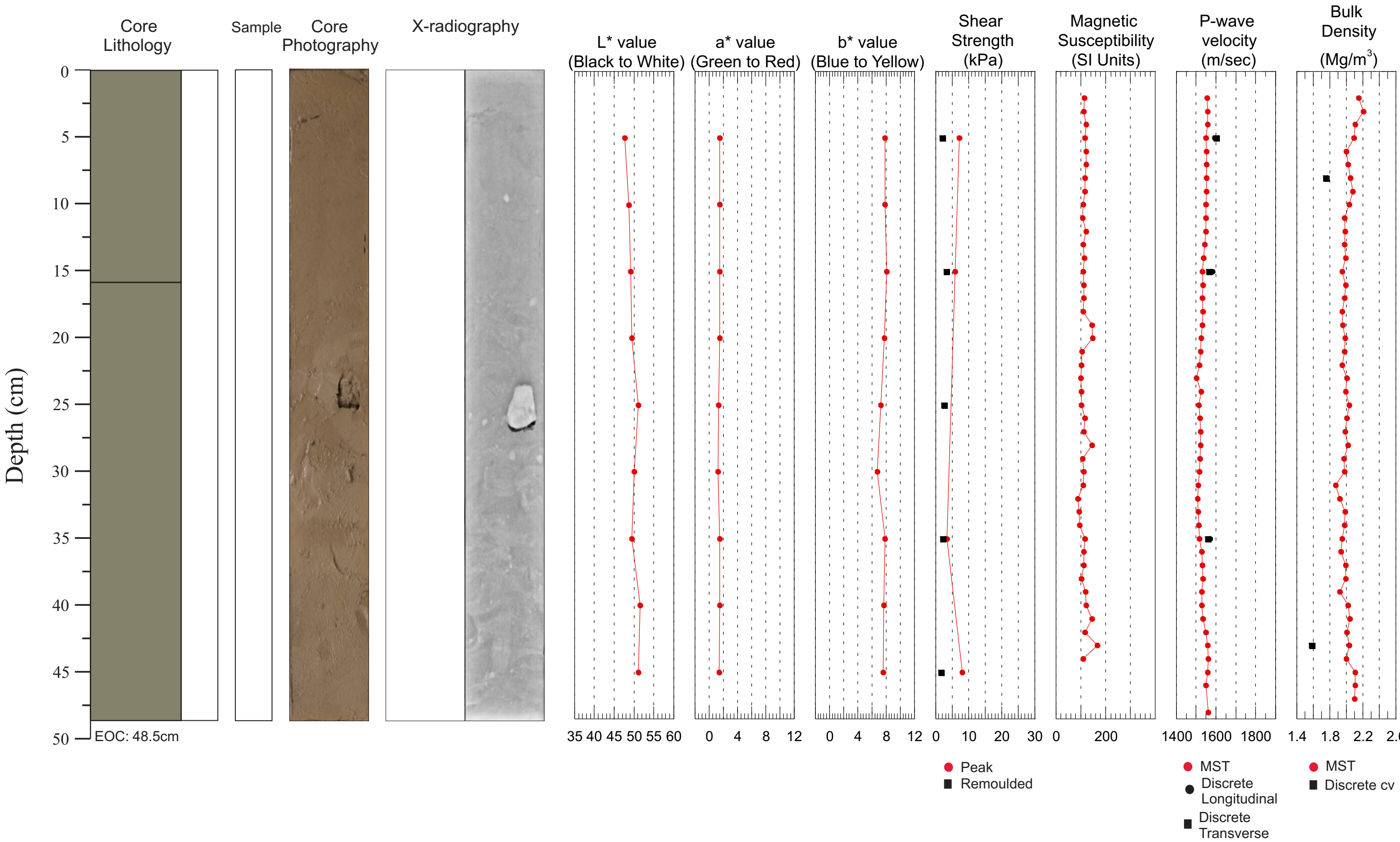

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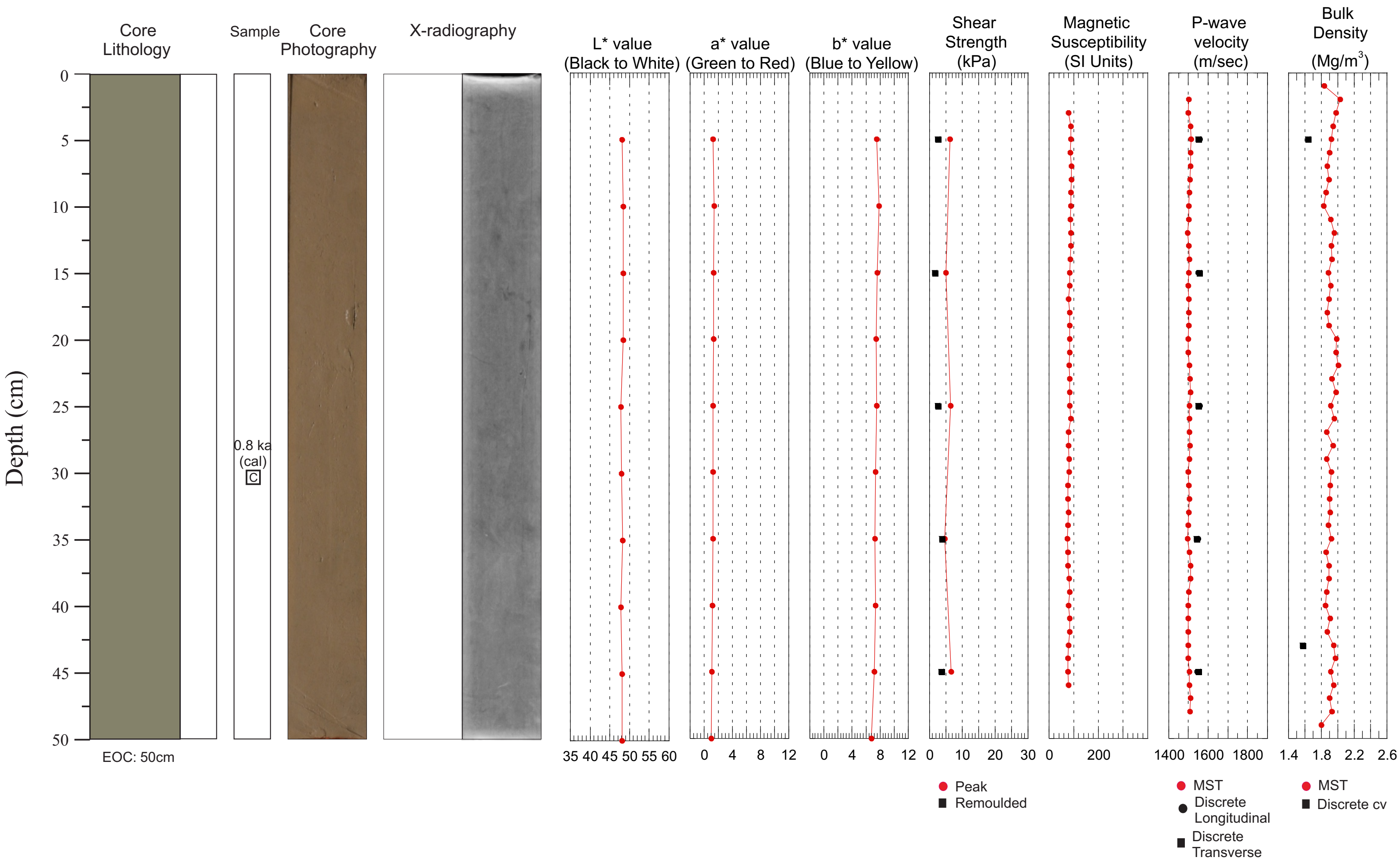

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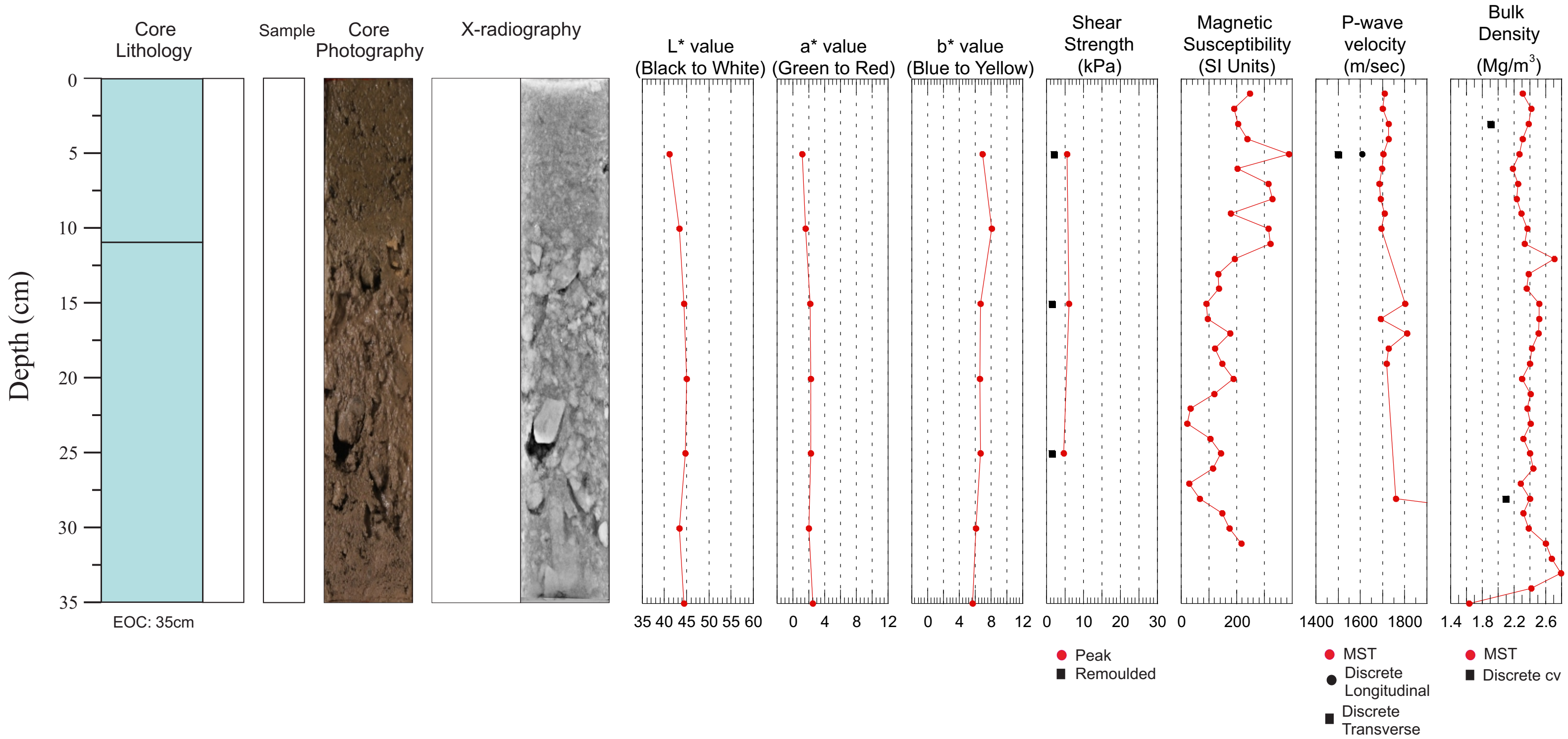
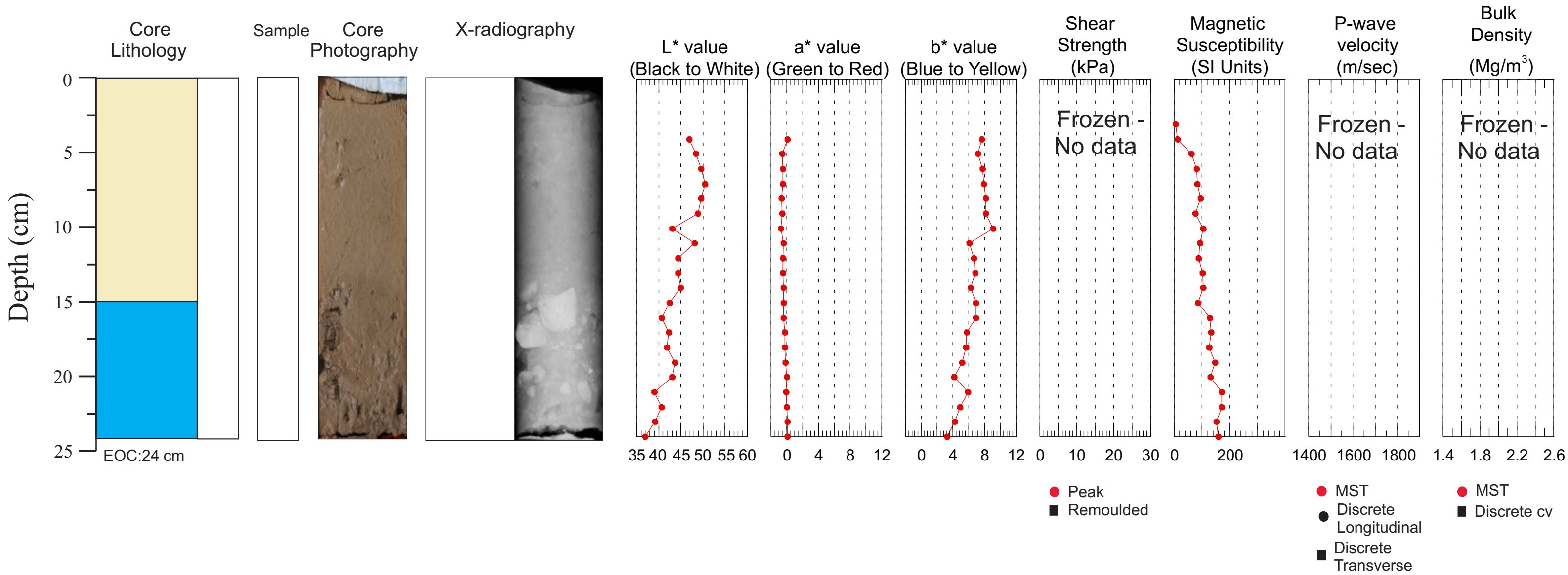
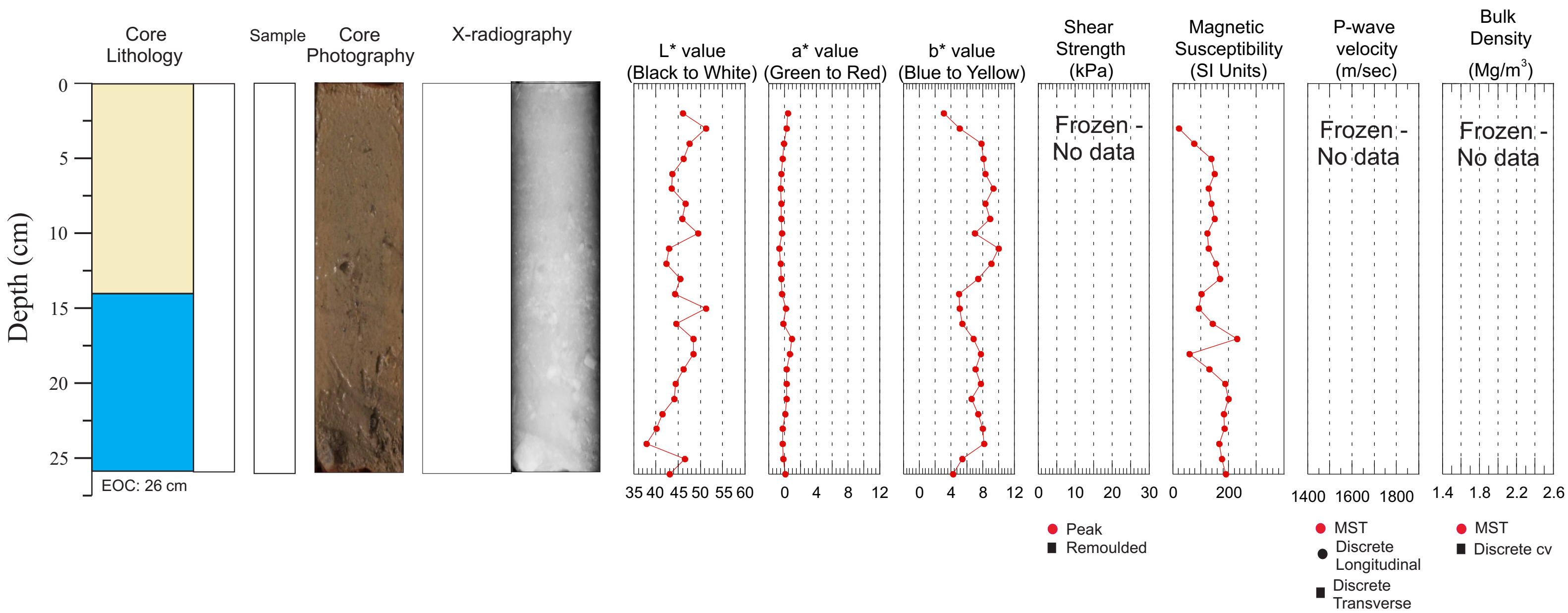


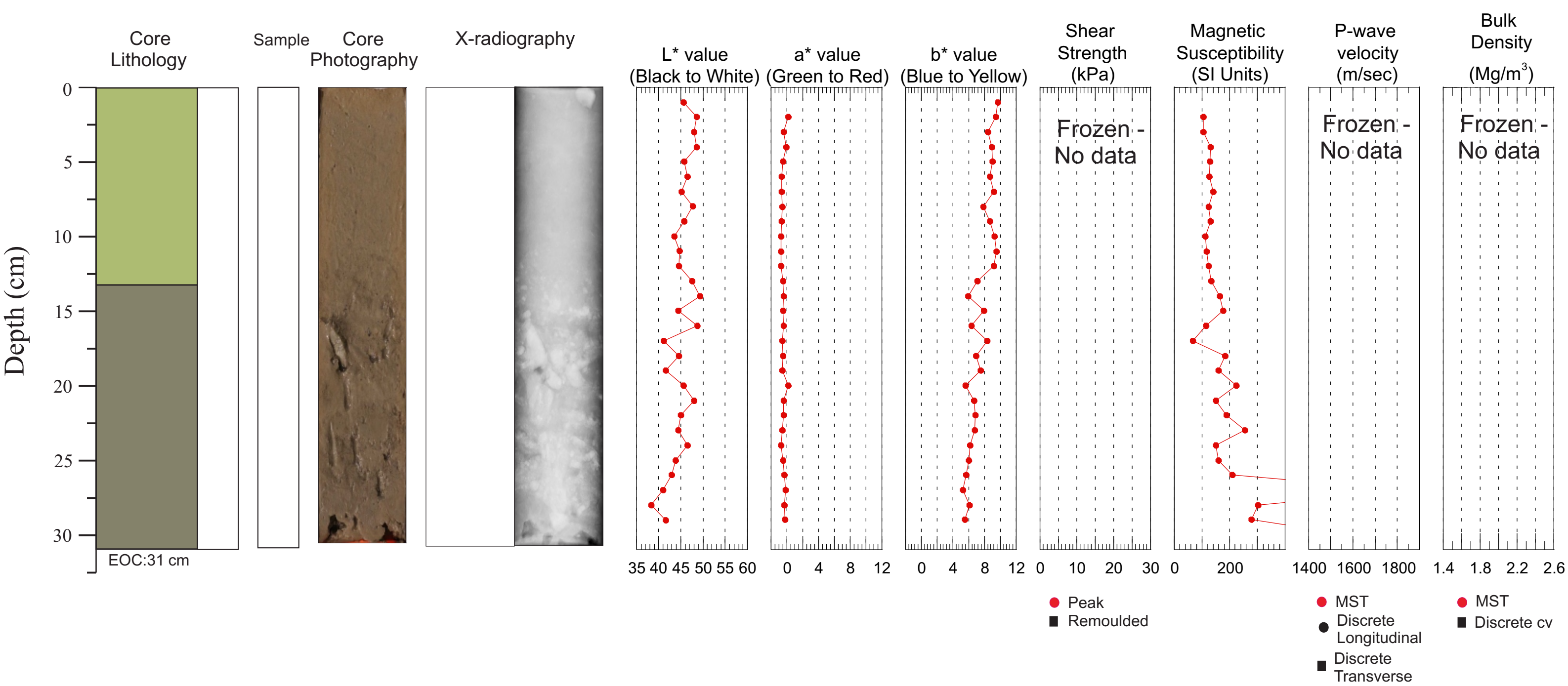
2010061 Phase1 0001A Push Core



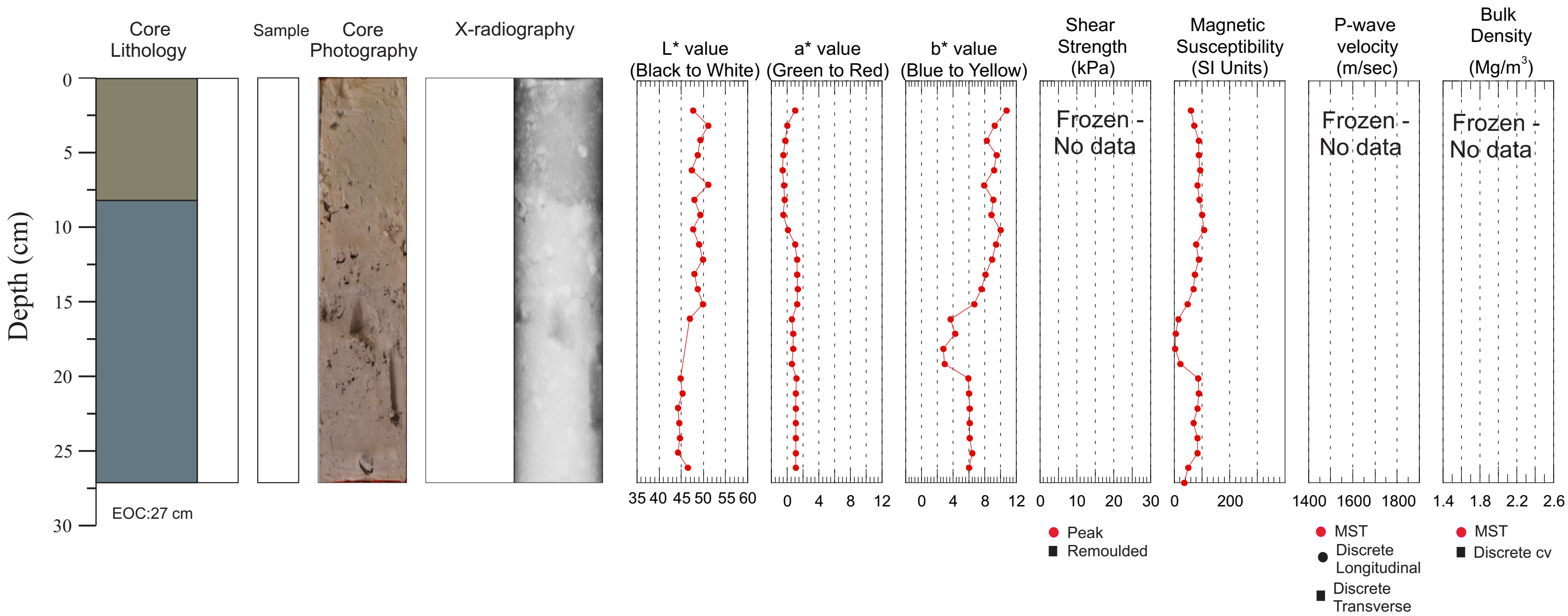
2010061 Phase1 0003A Push Core



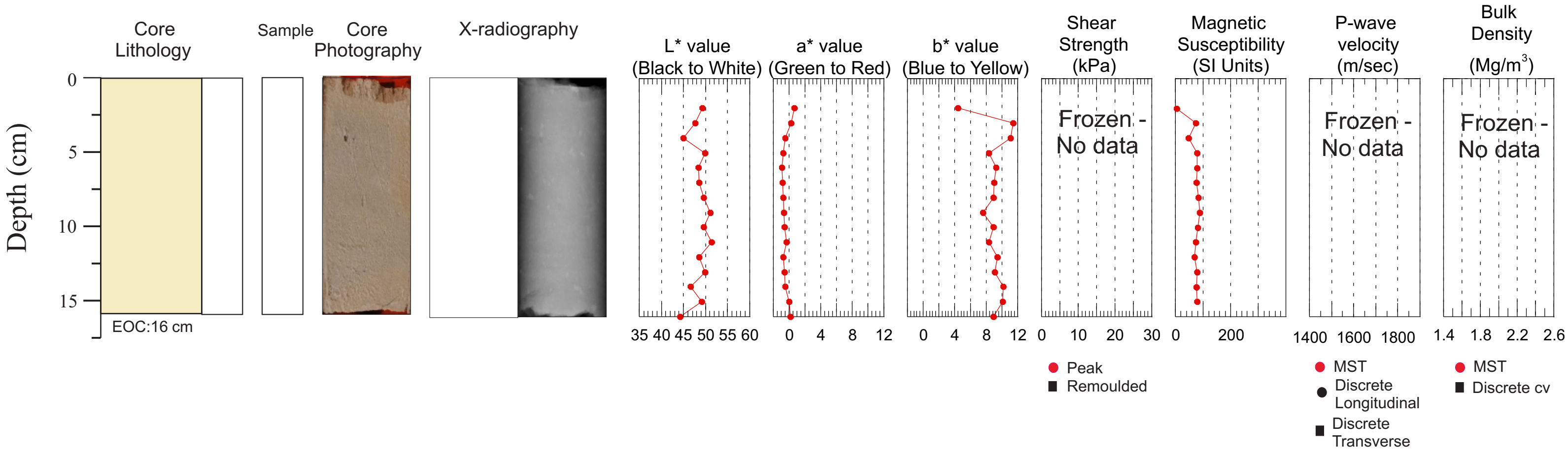
2010061 Phase1 0004A Push Core



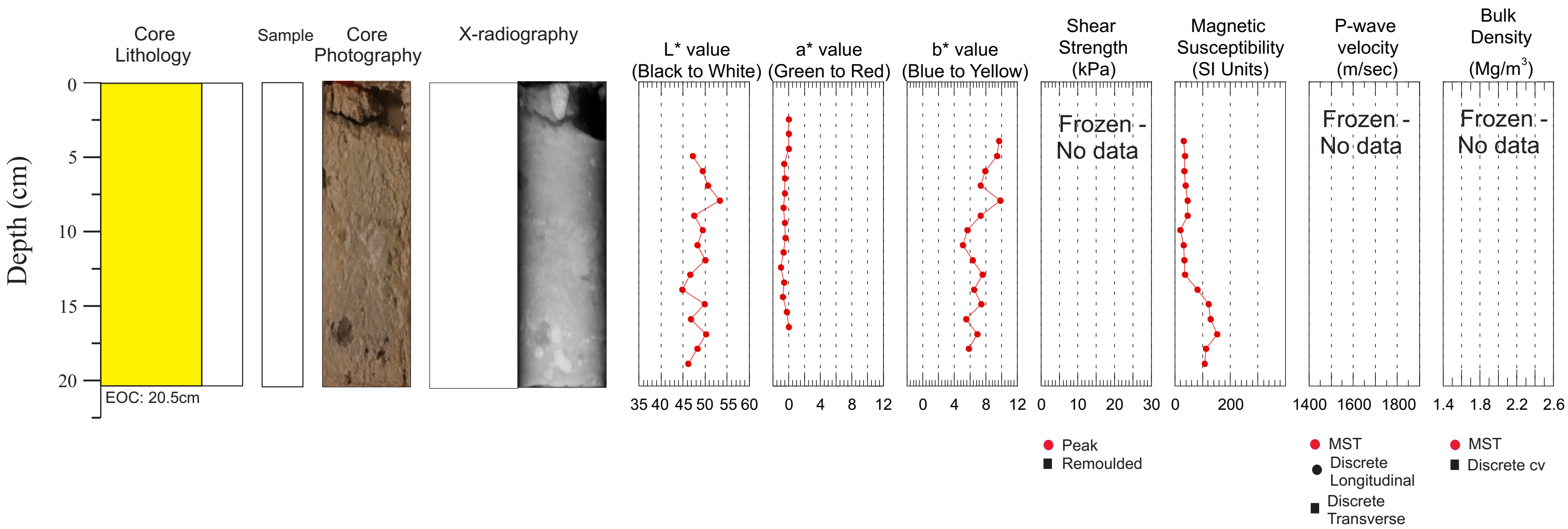
2010061 Phase1 0006A Push Core



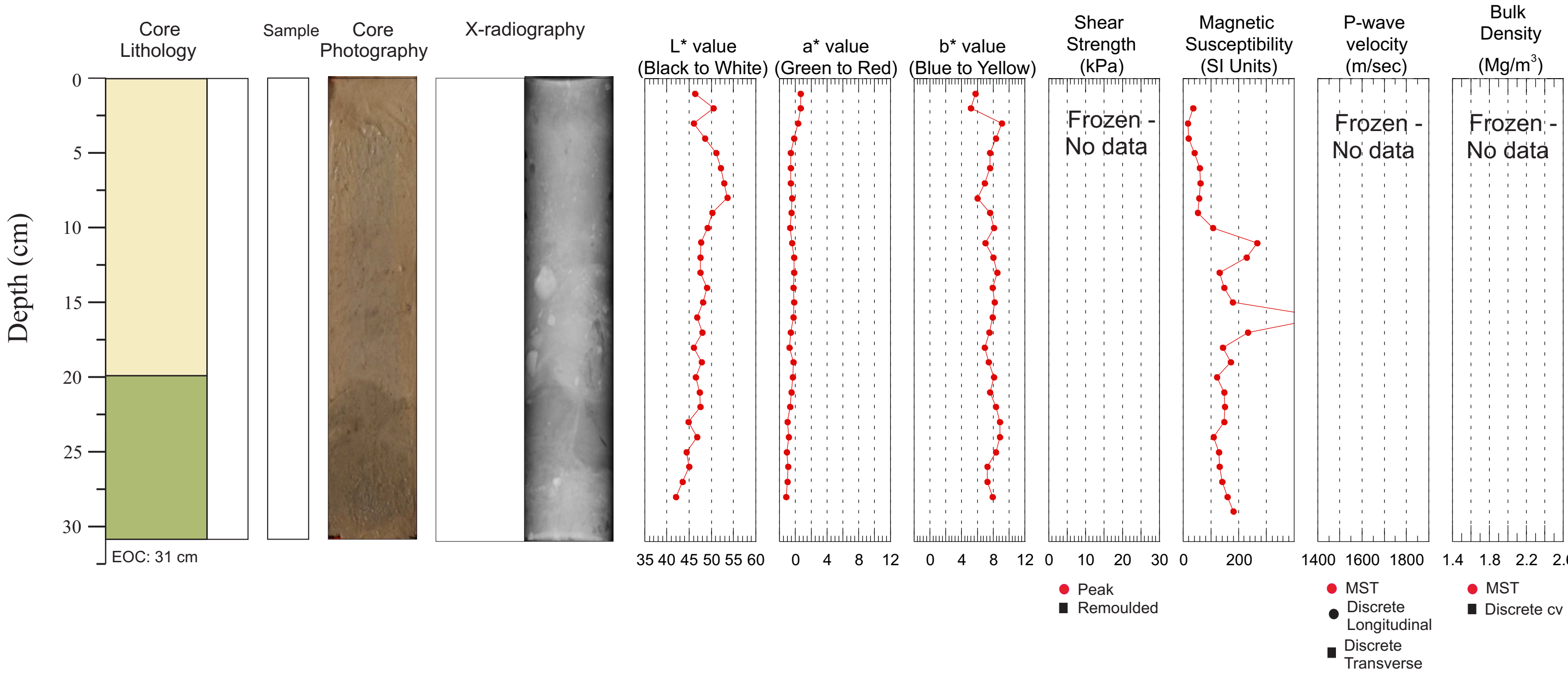
2010061 Phase1 0007A Push Core



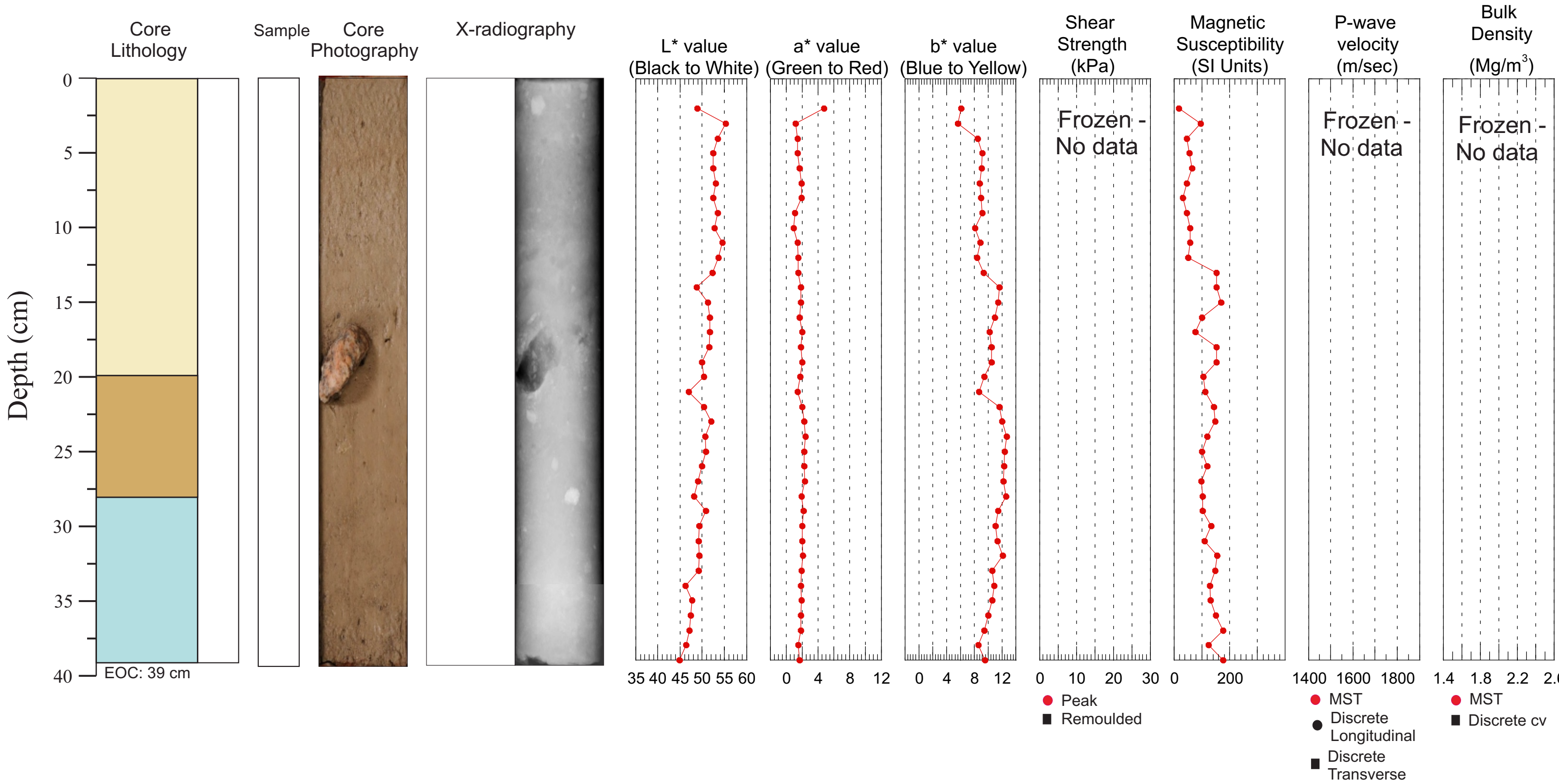
2010061 Phase1 0008A Push Core



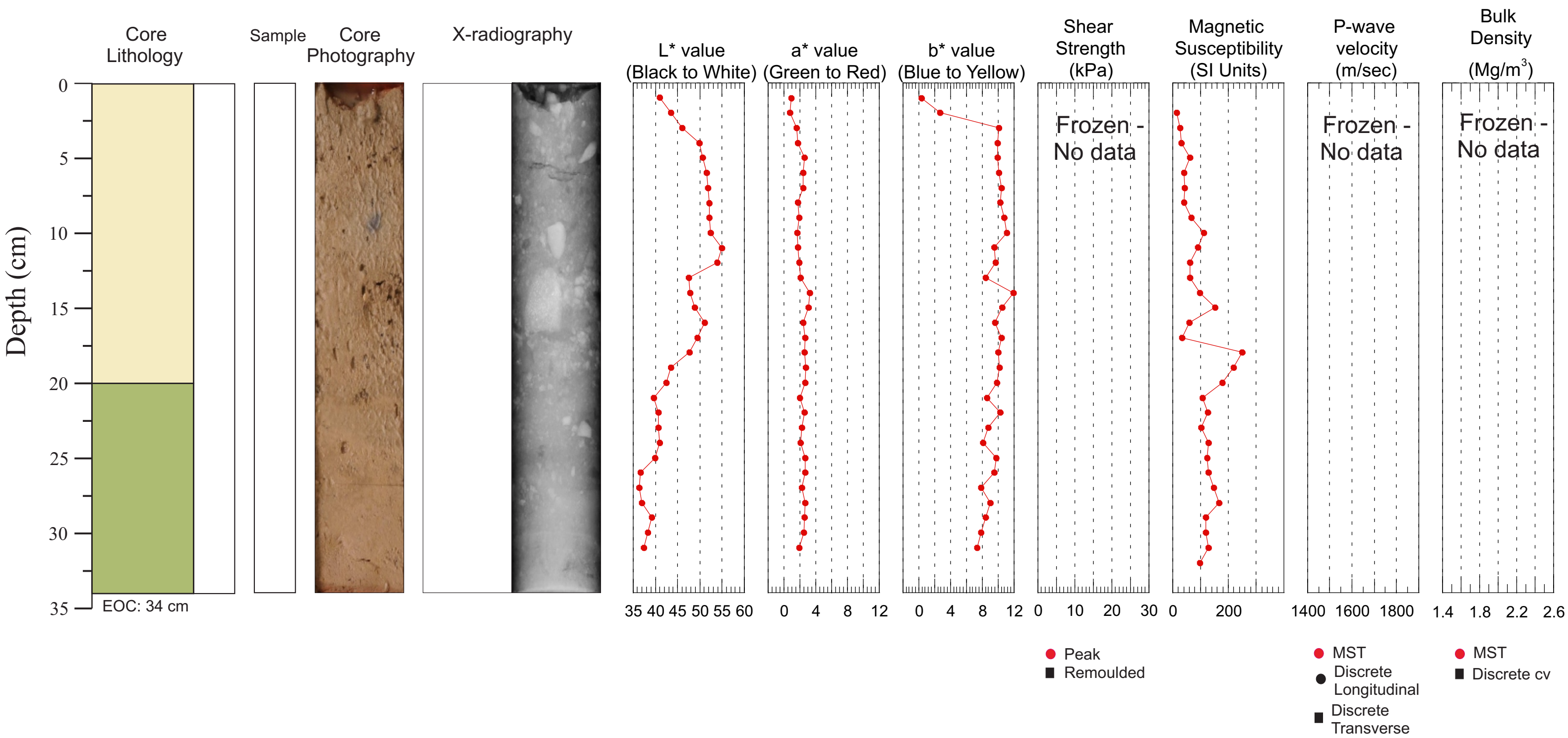
2010061 Phase1 0010A Push Core



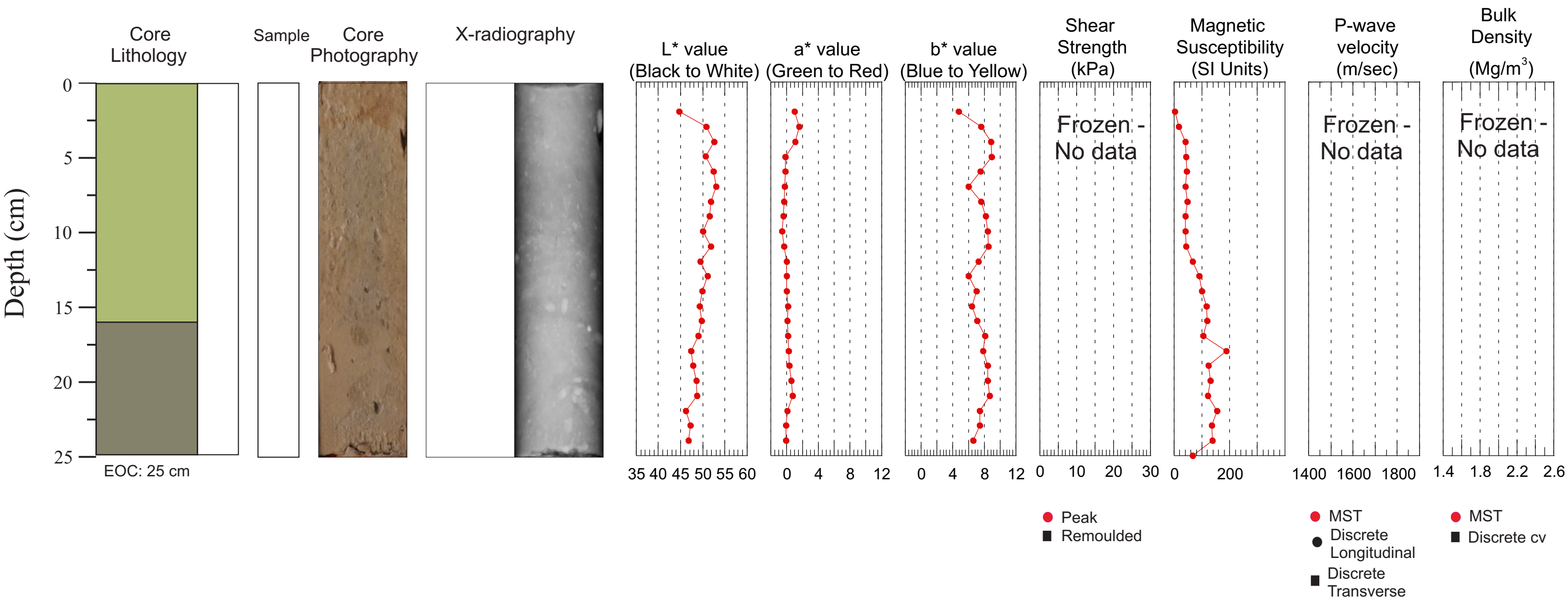
20010061 Phase1 0011A Push Core



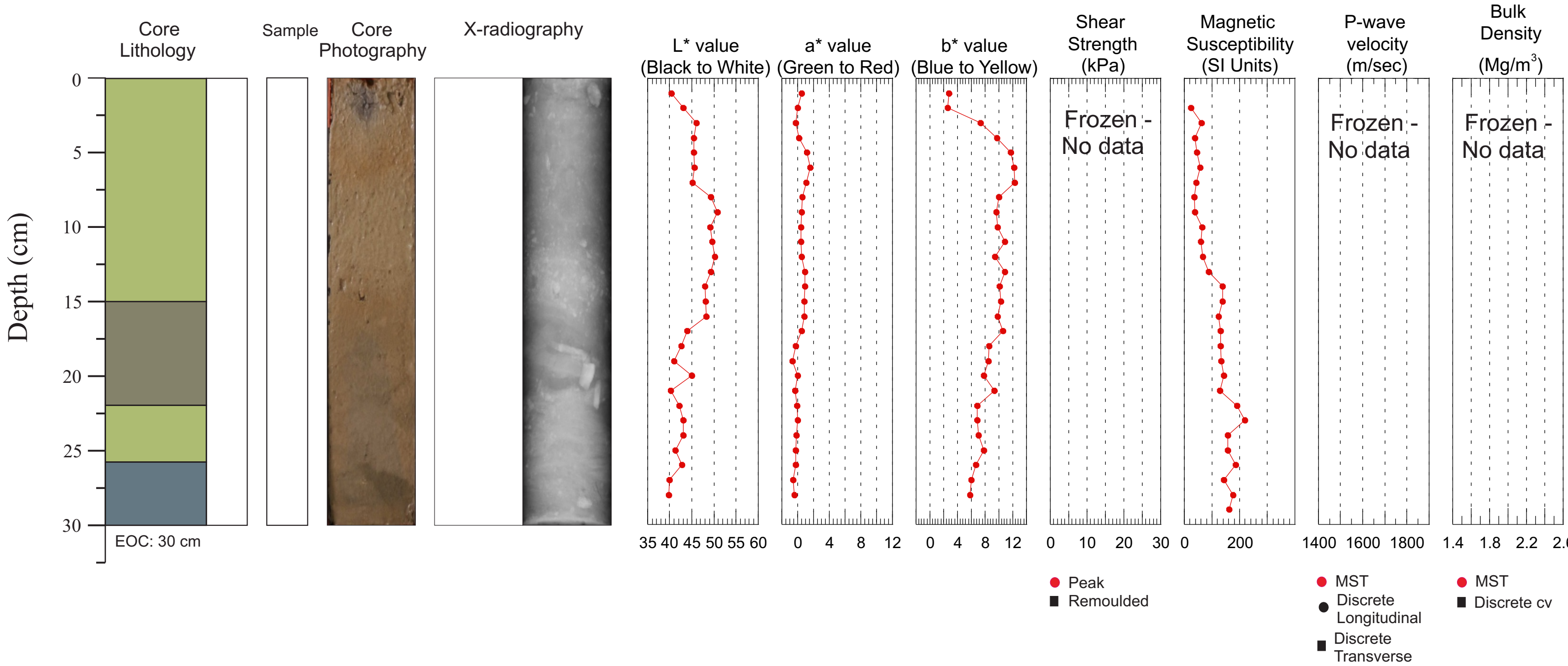
2010061 Phase1 0012A Push Core



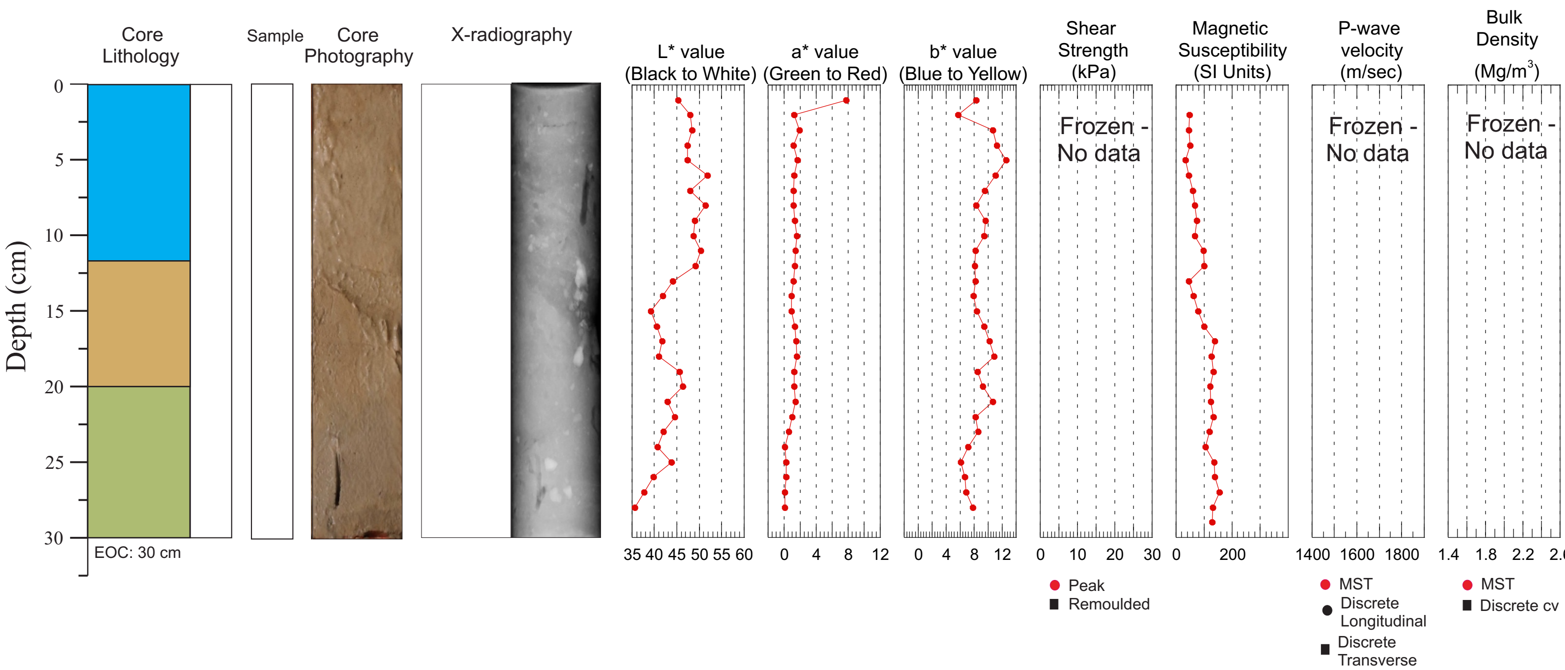
2010061 Phase1 0014A Push Core



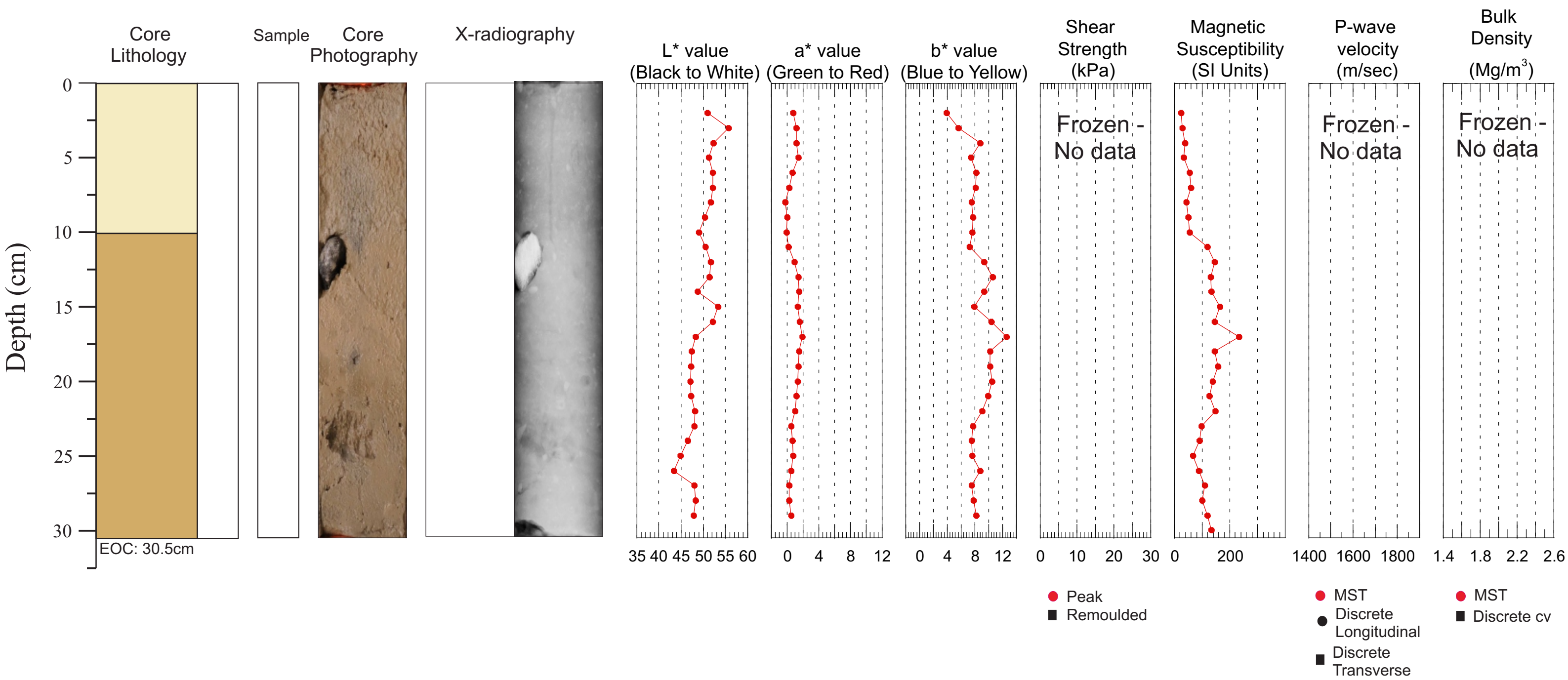
2010061 Phase1 0015A Push Core



2010061 Phase1 0016A Push Core



2010061 Phase1 0017A Push Core



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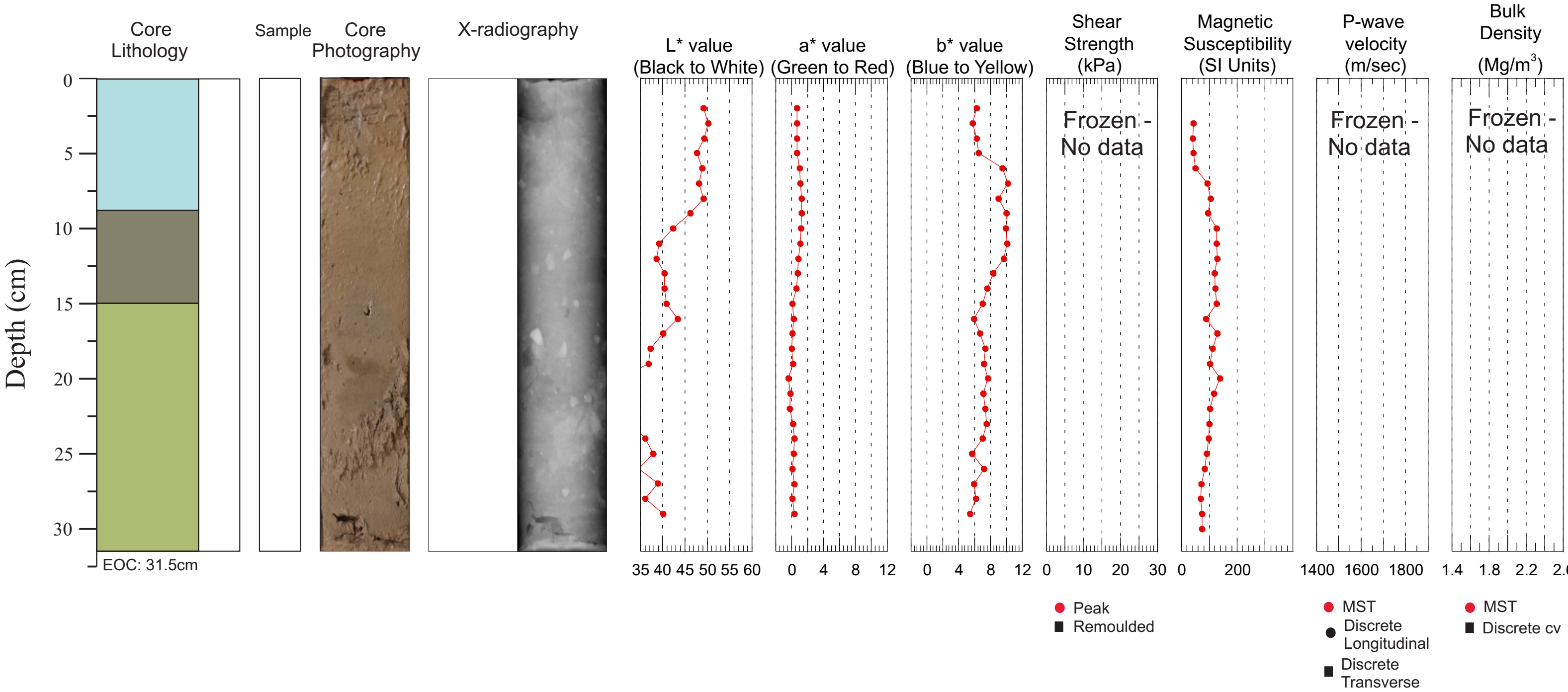
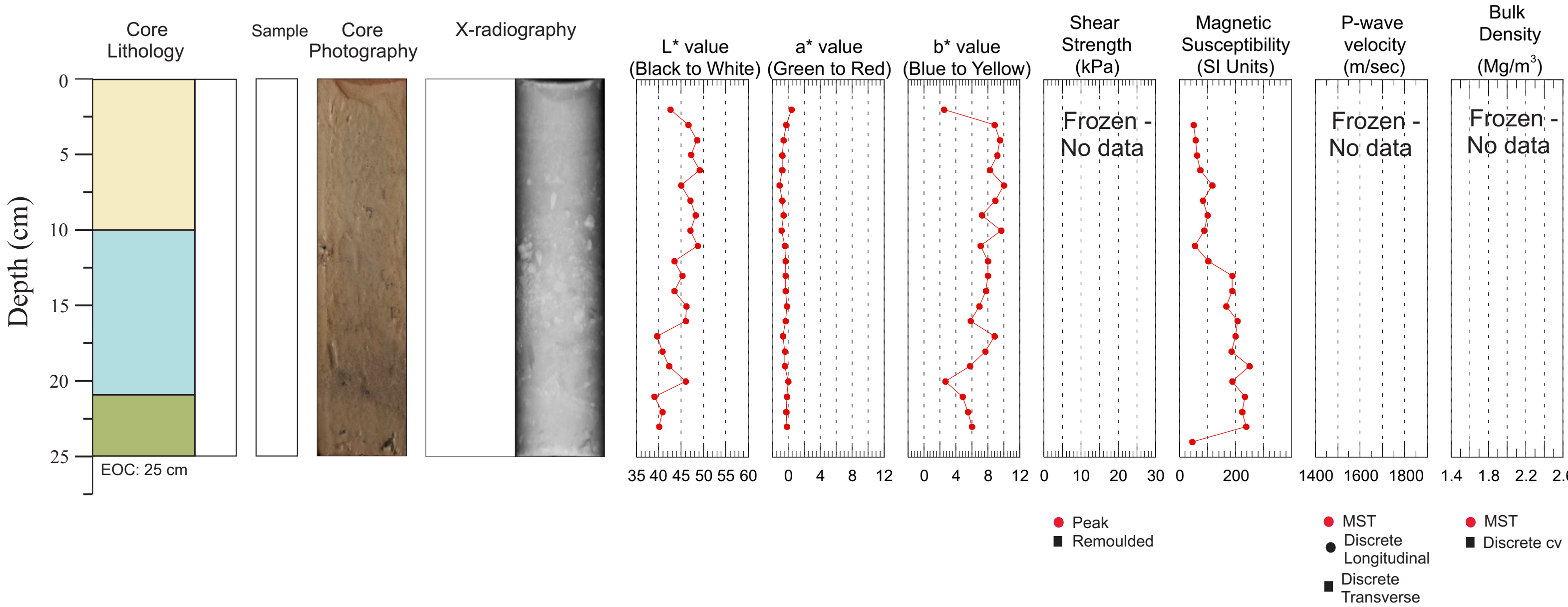


2010061 Phase1 0019A Push Core



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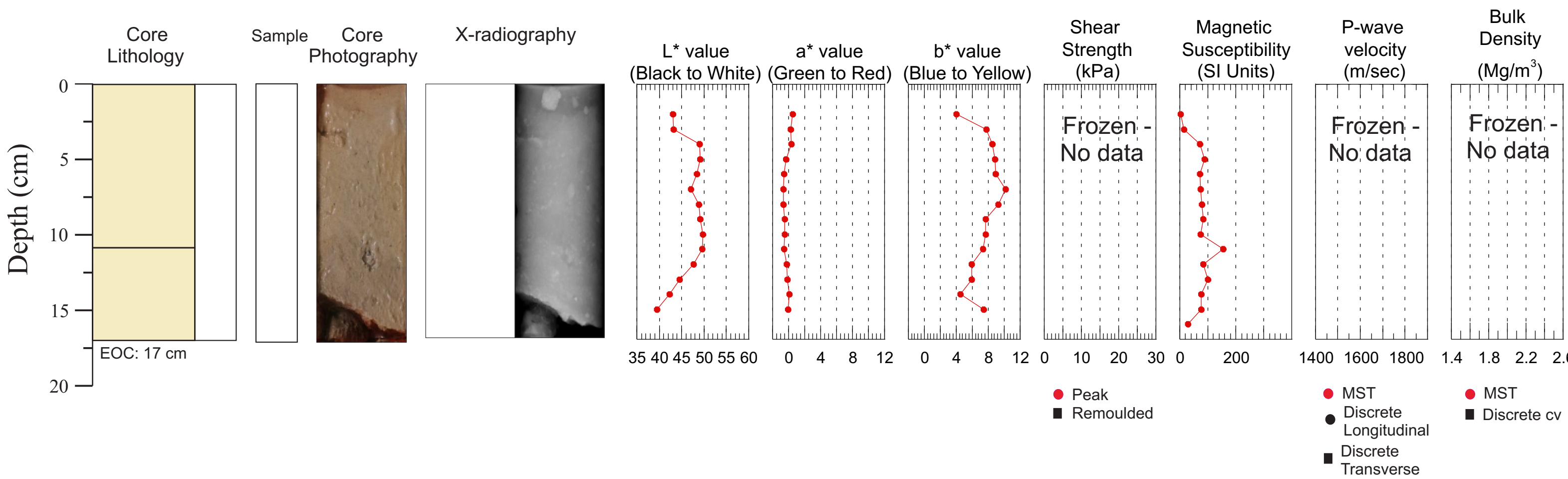

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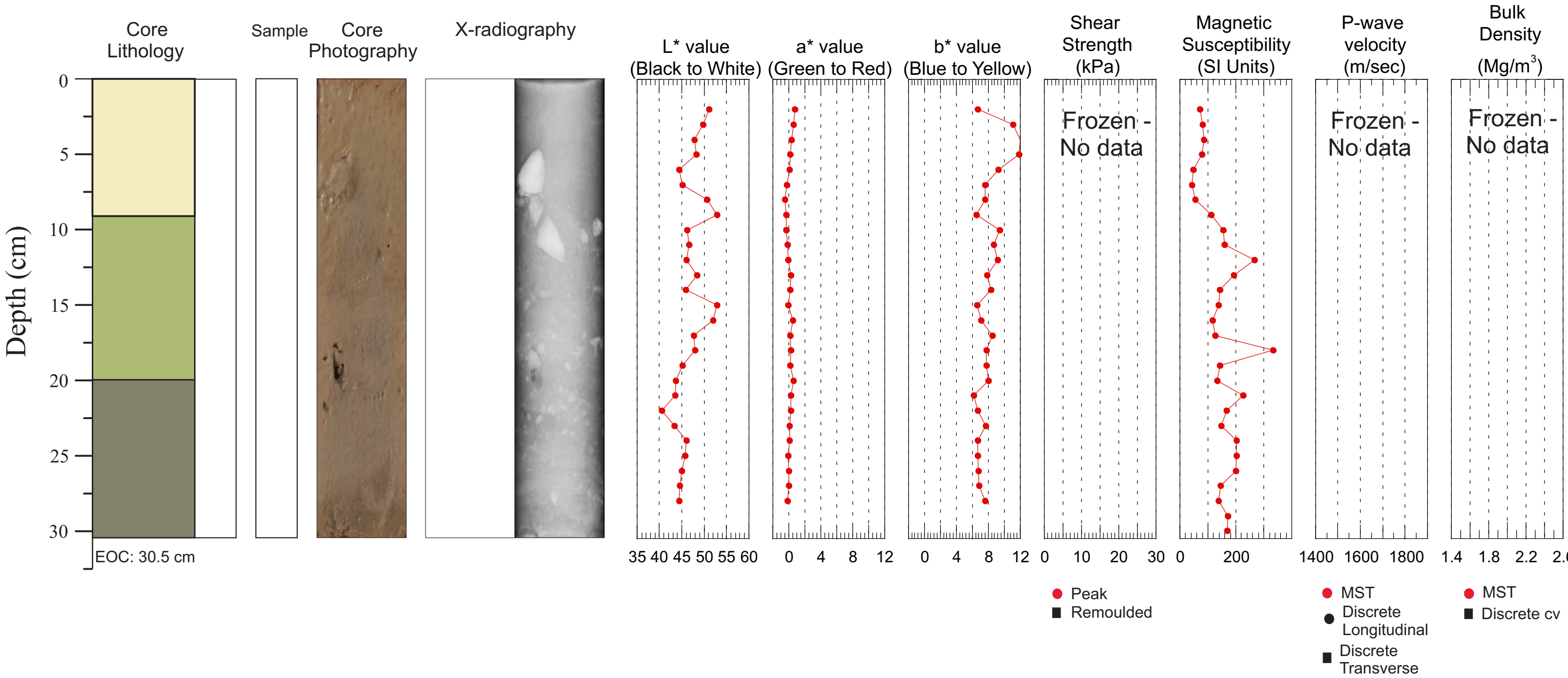
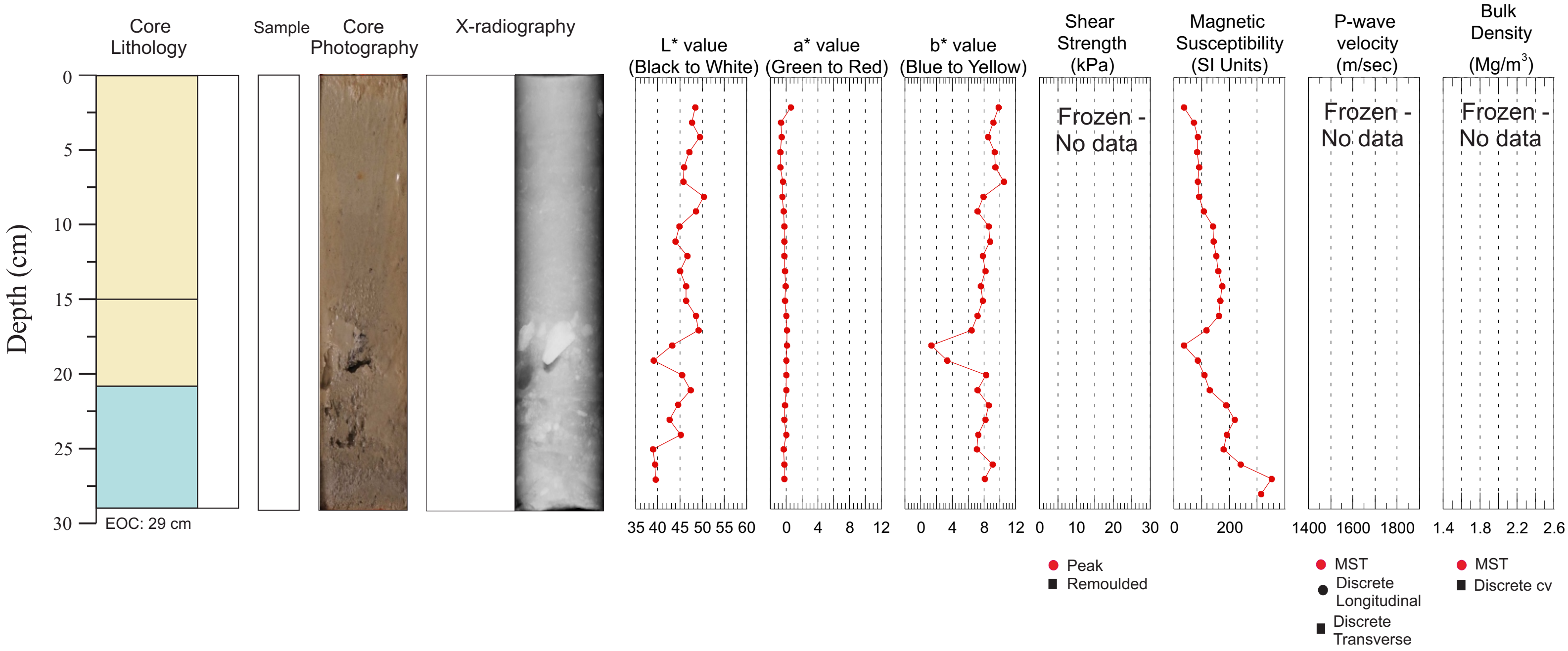
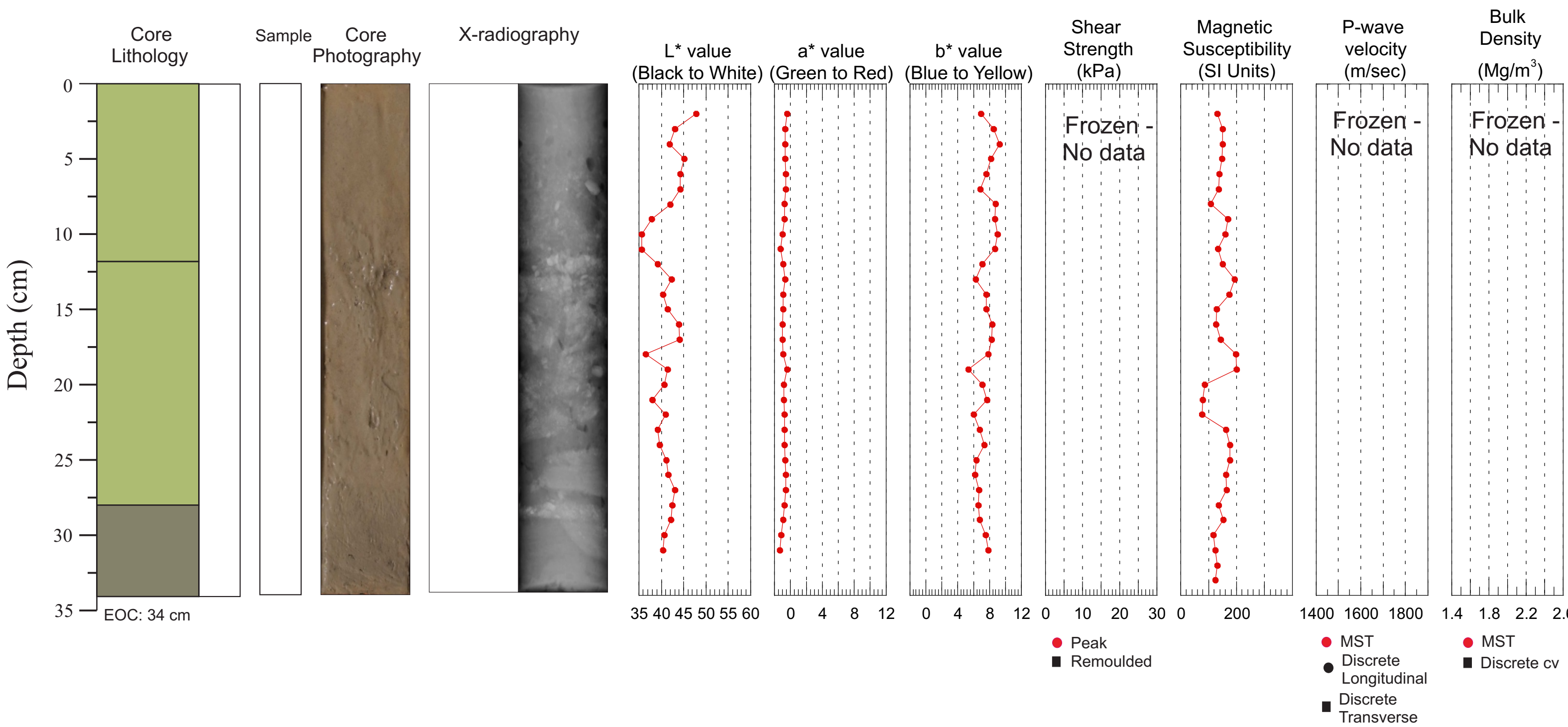


2010061 Phase1 0024A Push Core



2010061 Phase1 0026A Push Core



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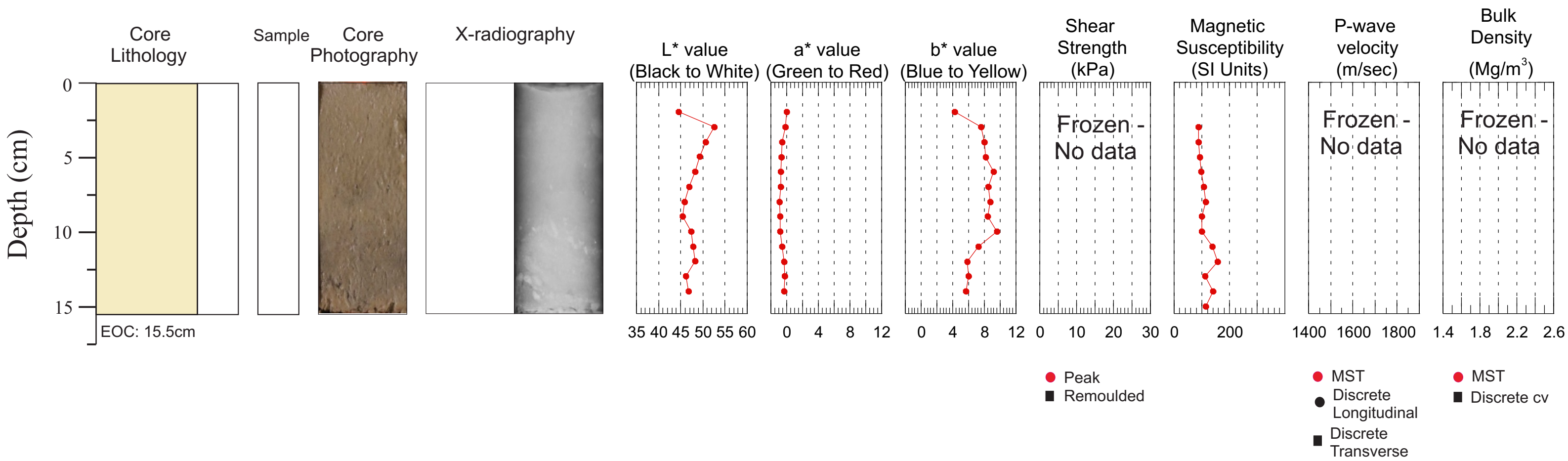
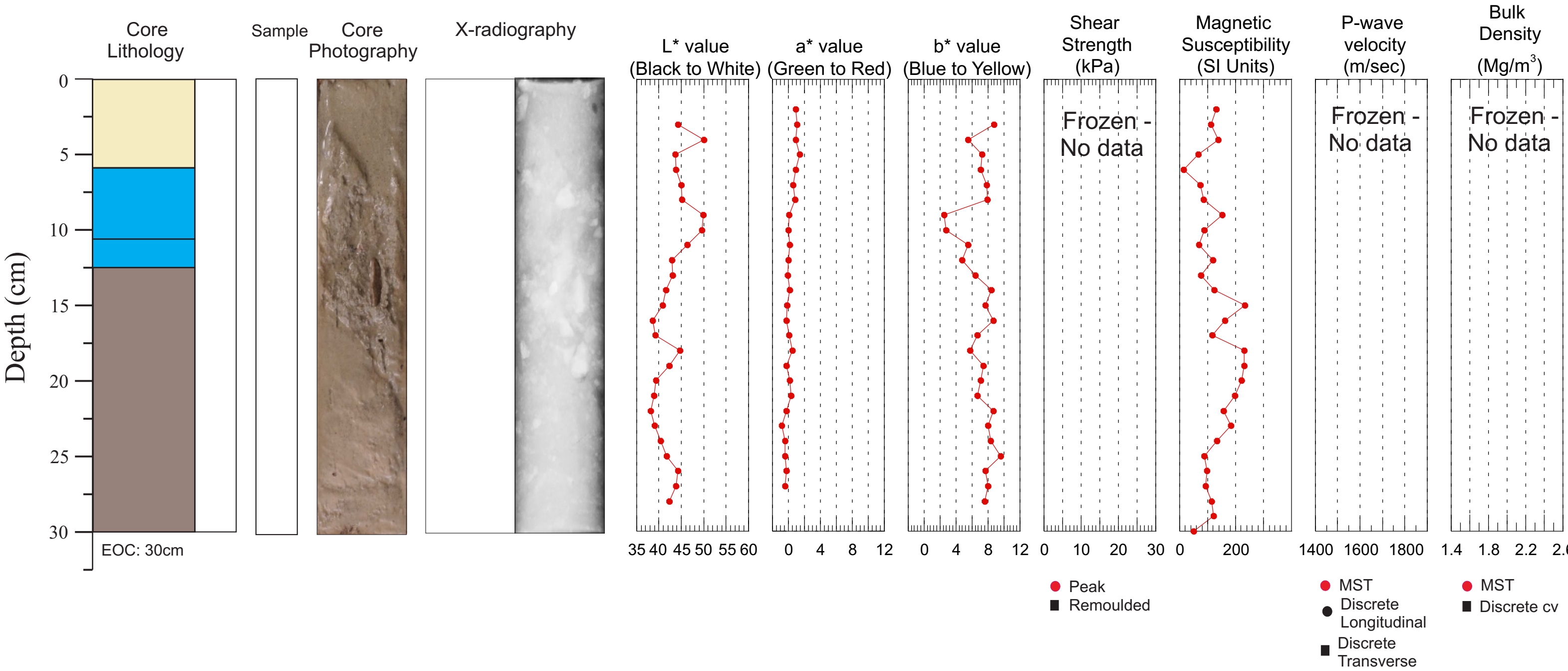


2010061 Phase1 0029A Push Core



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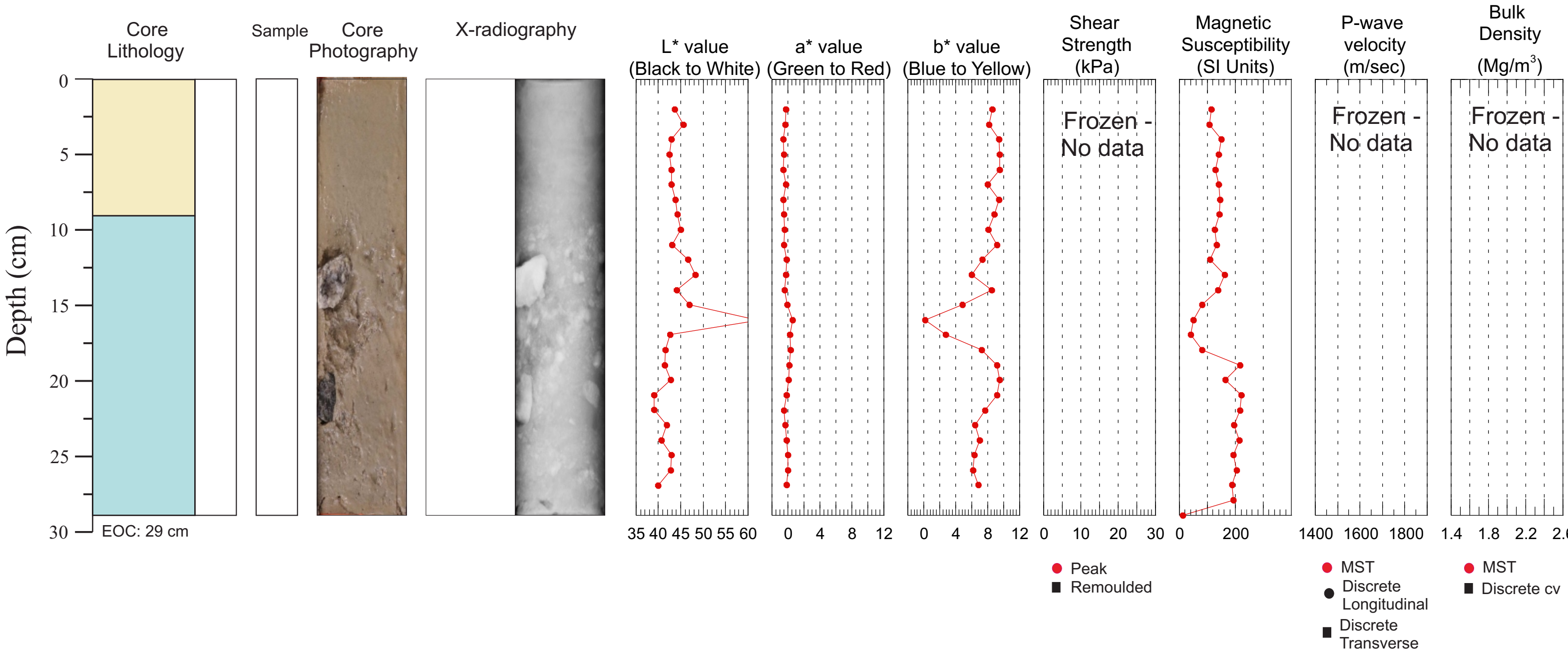
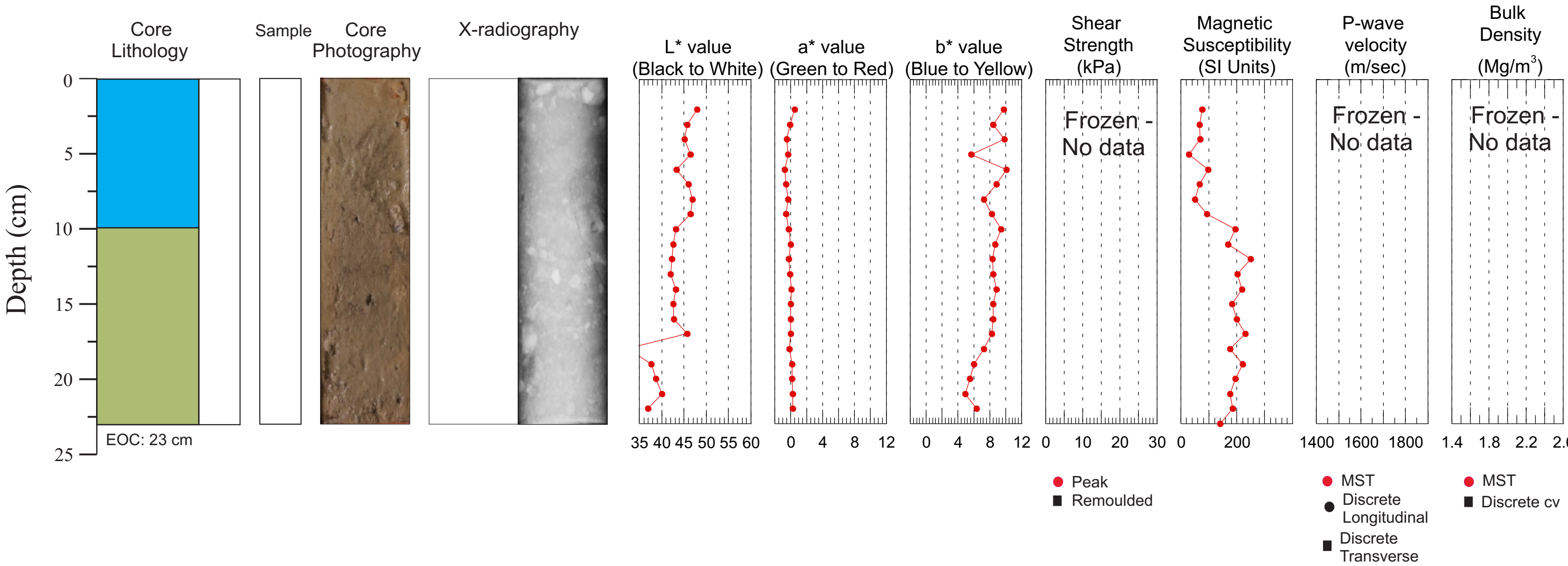
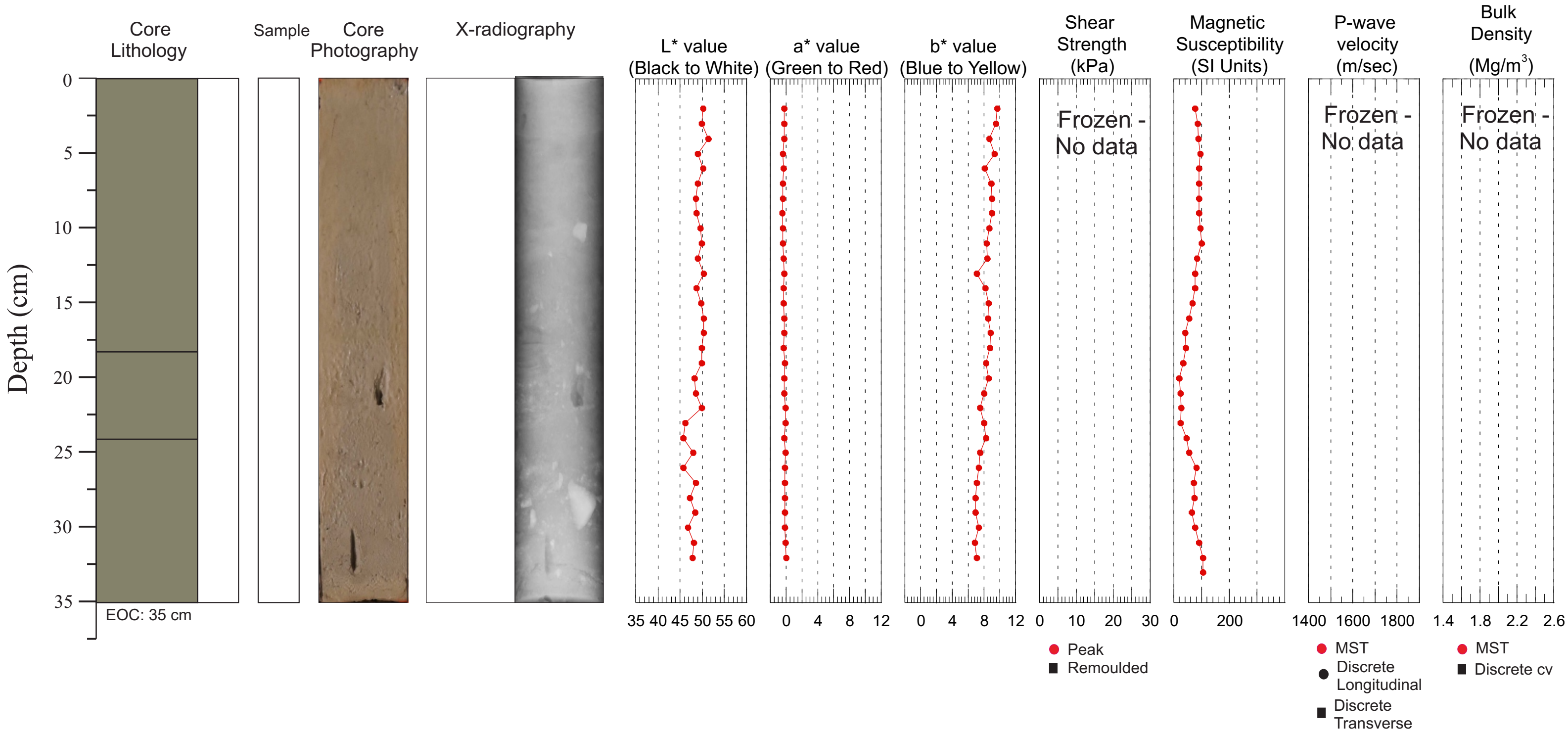


2010061 Phase1 0032A Push Core



2010061 Phase1 0035A Push Core



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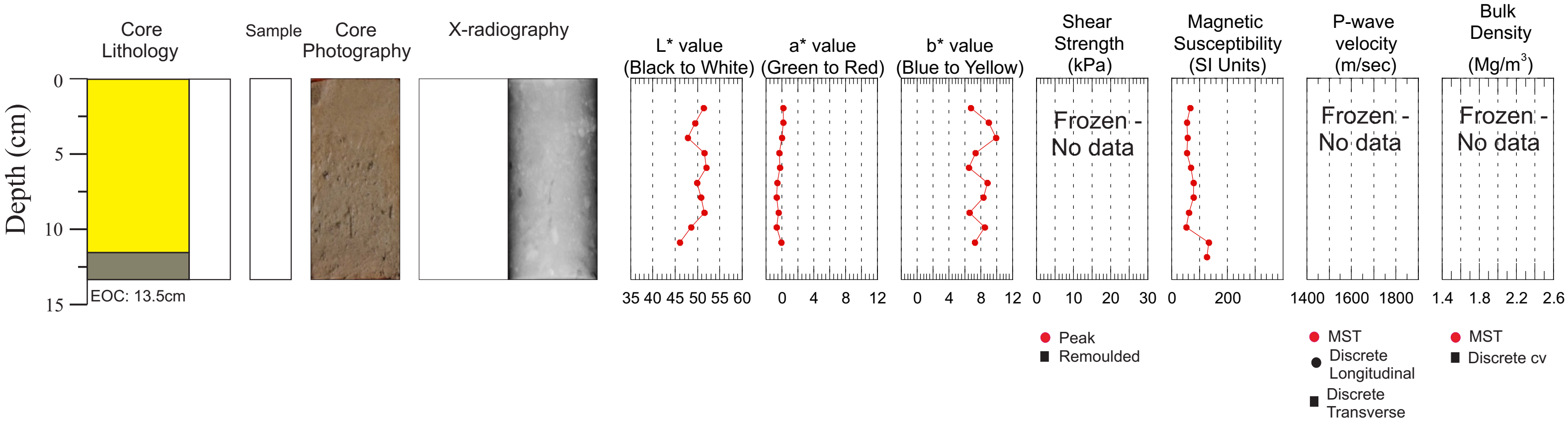

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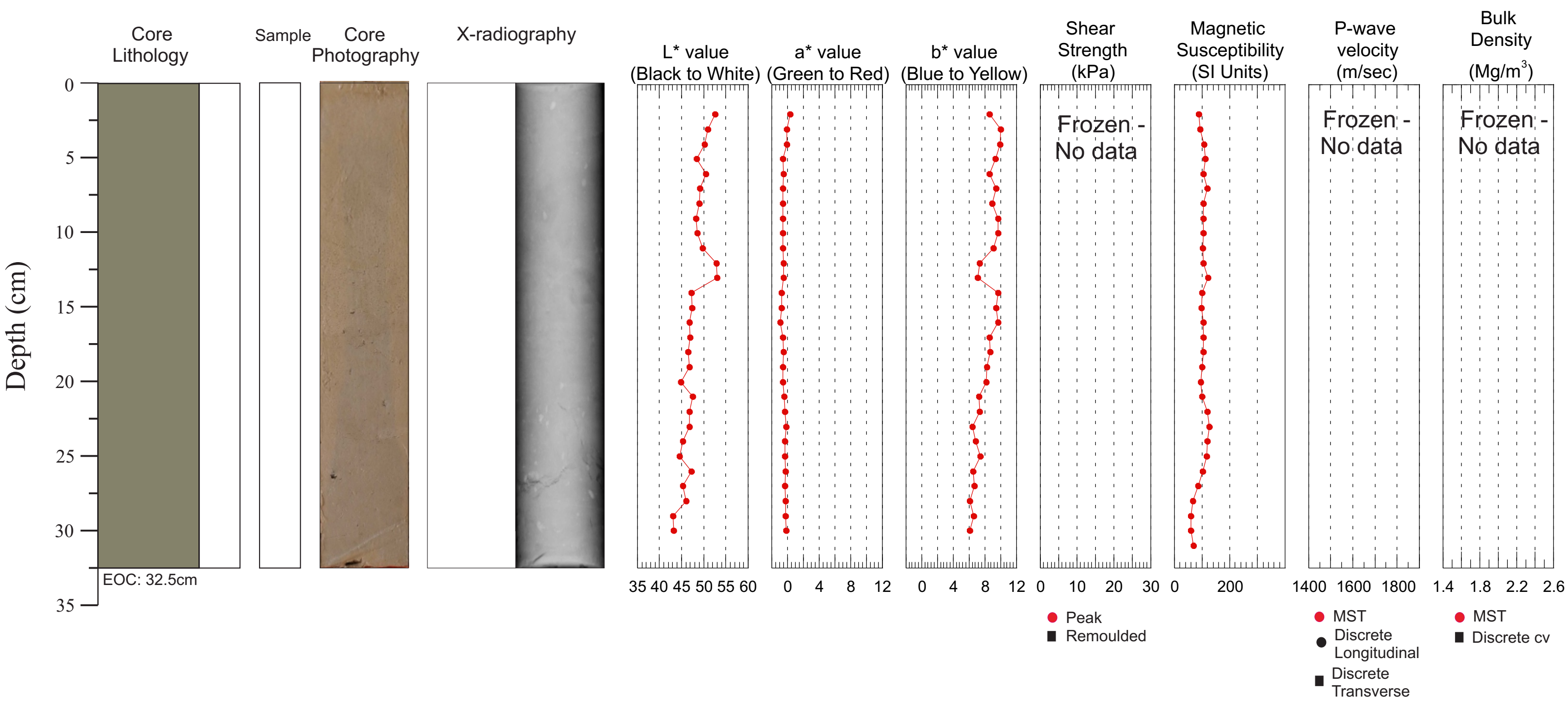

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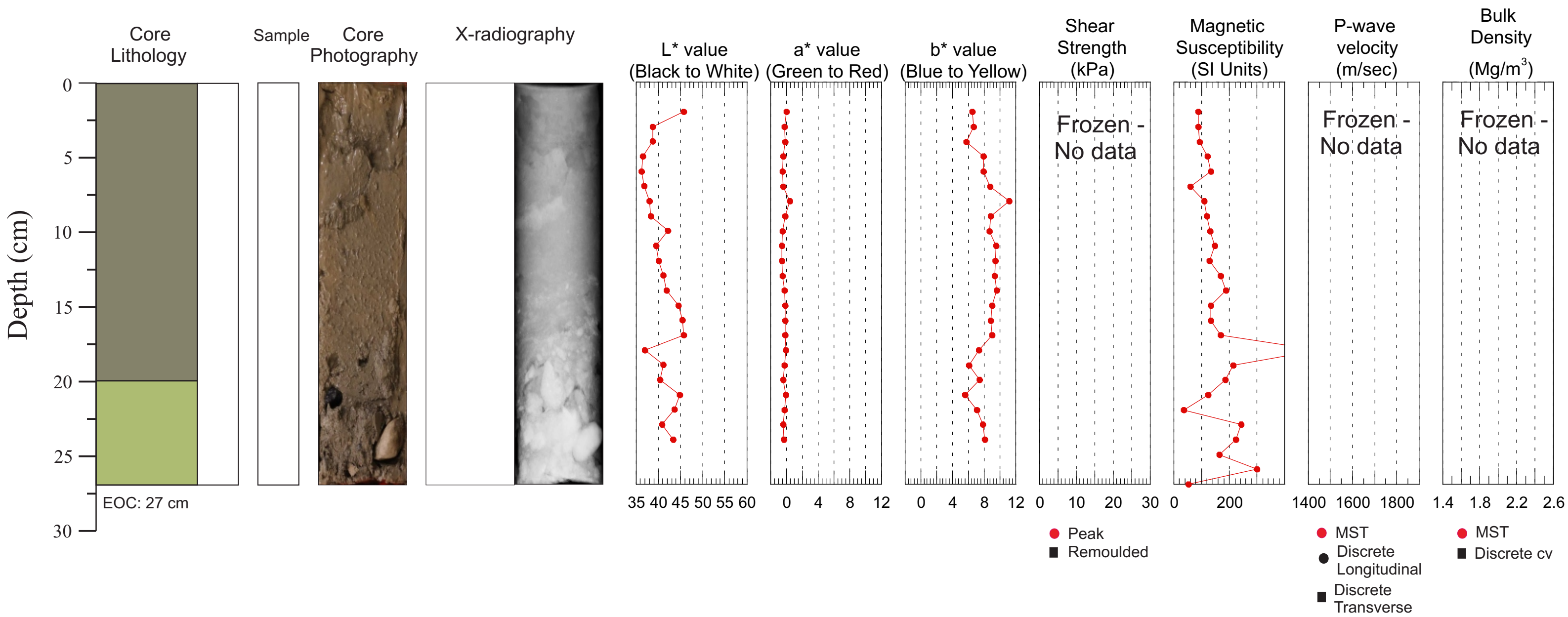

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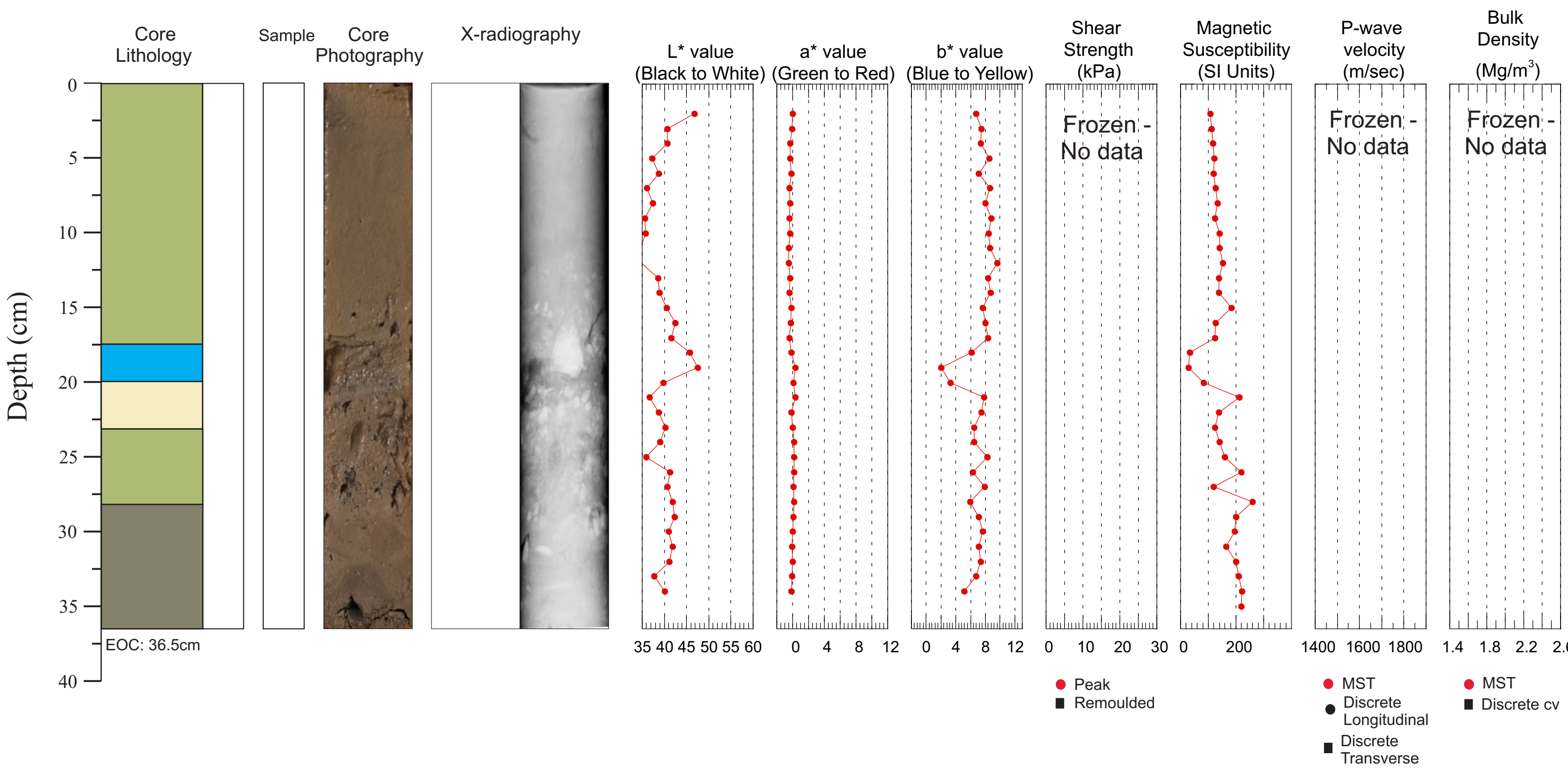

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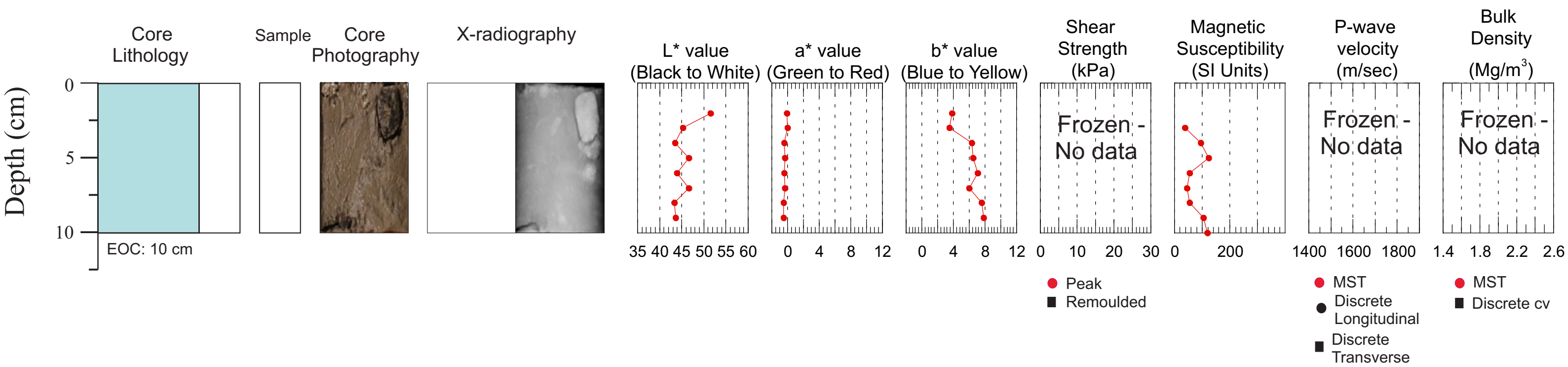

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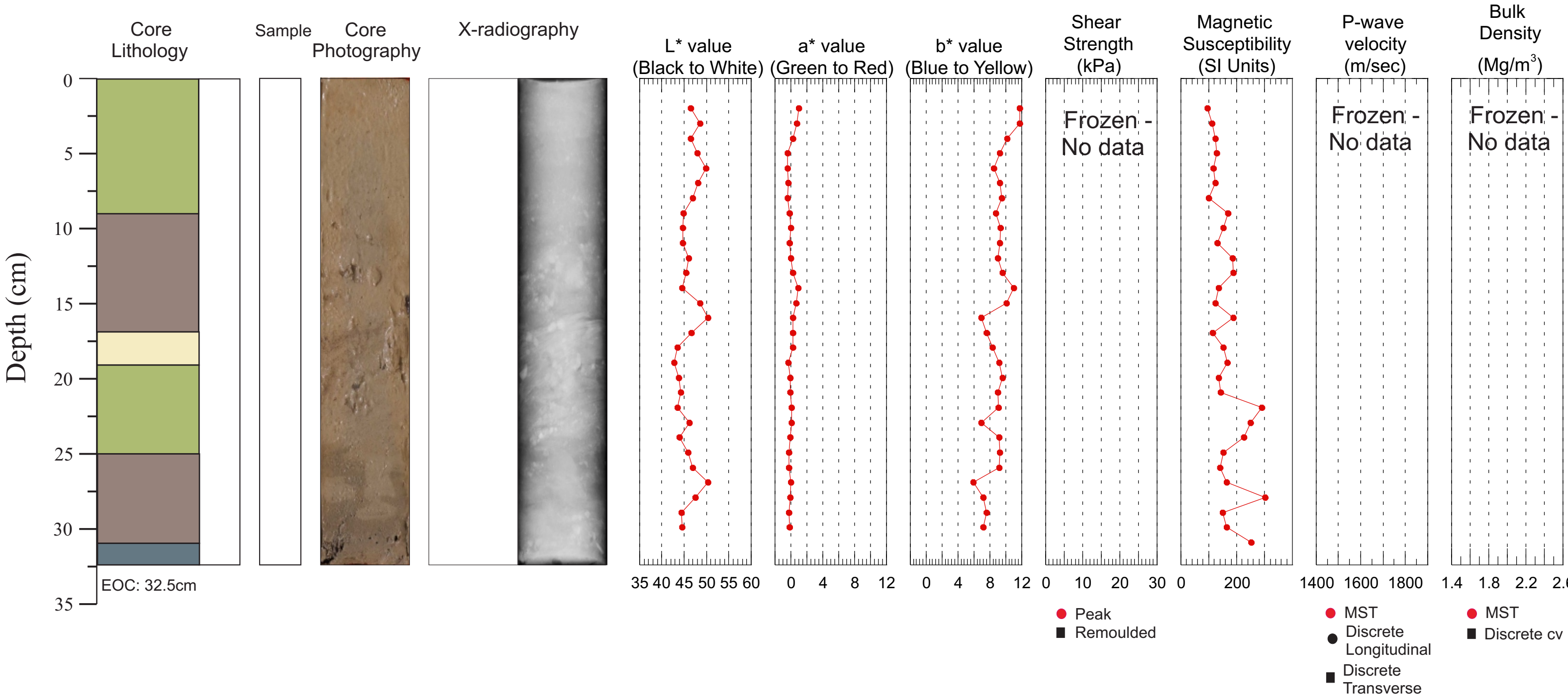

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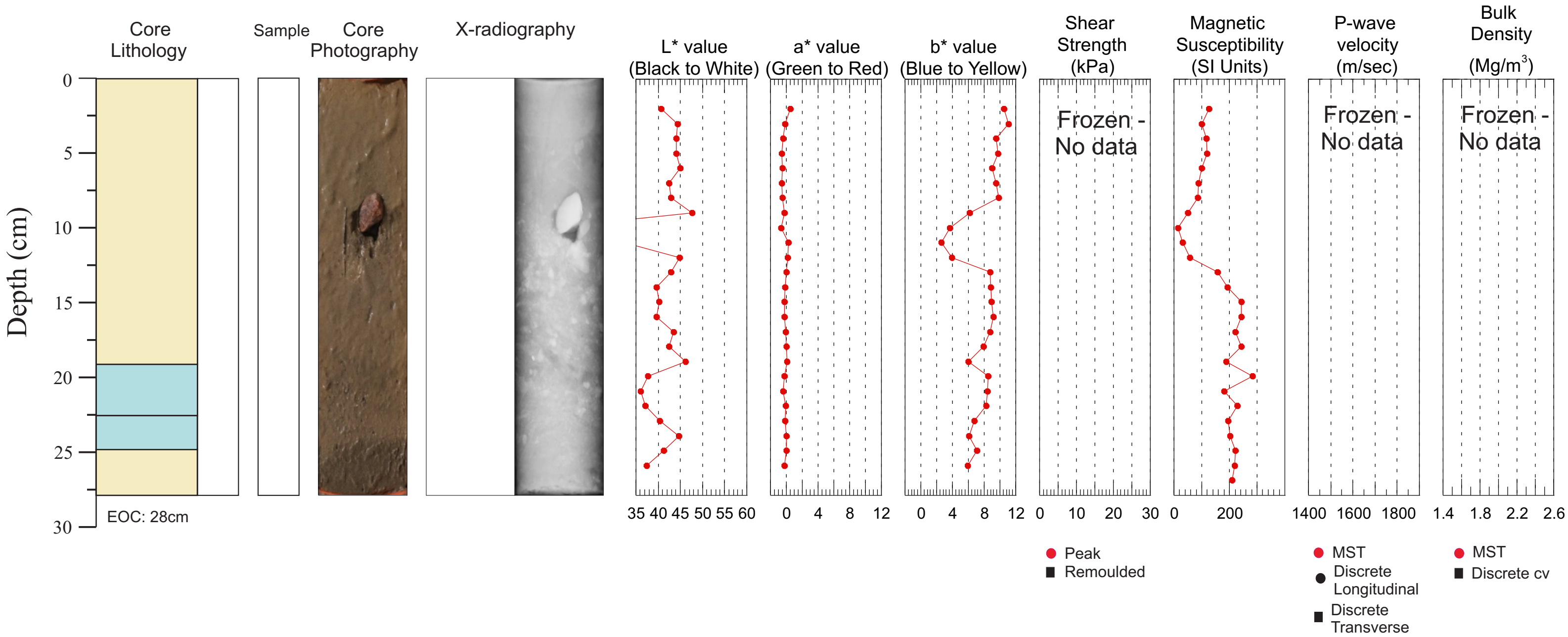
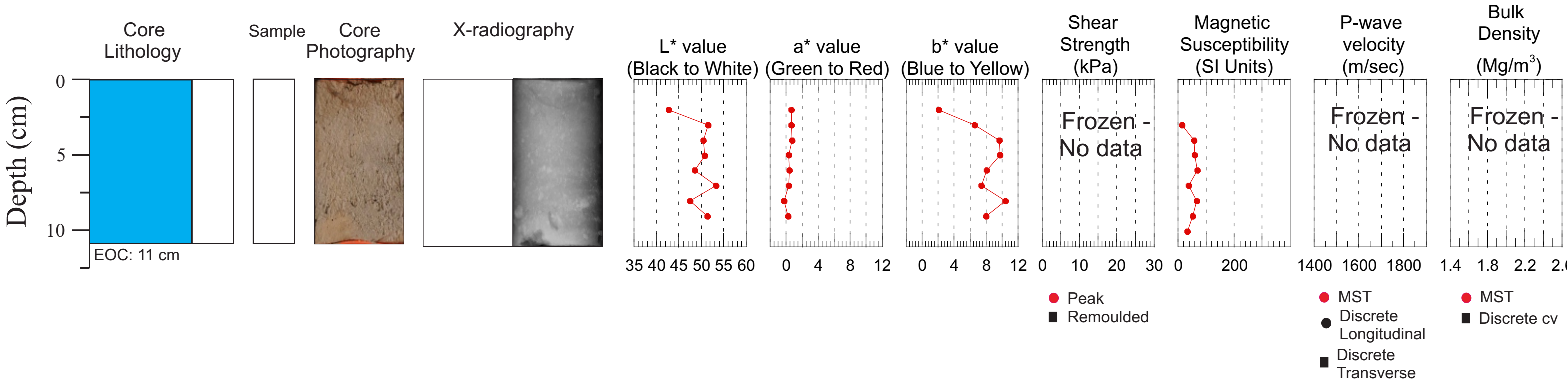


2010061 Phase1 0045A Push Core



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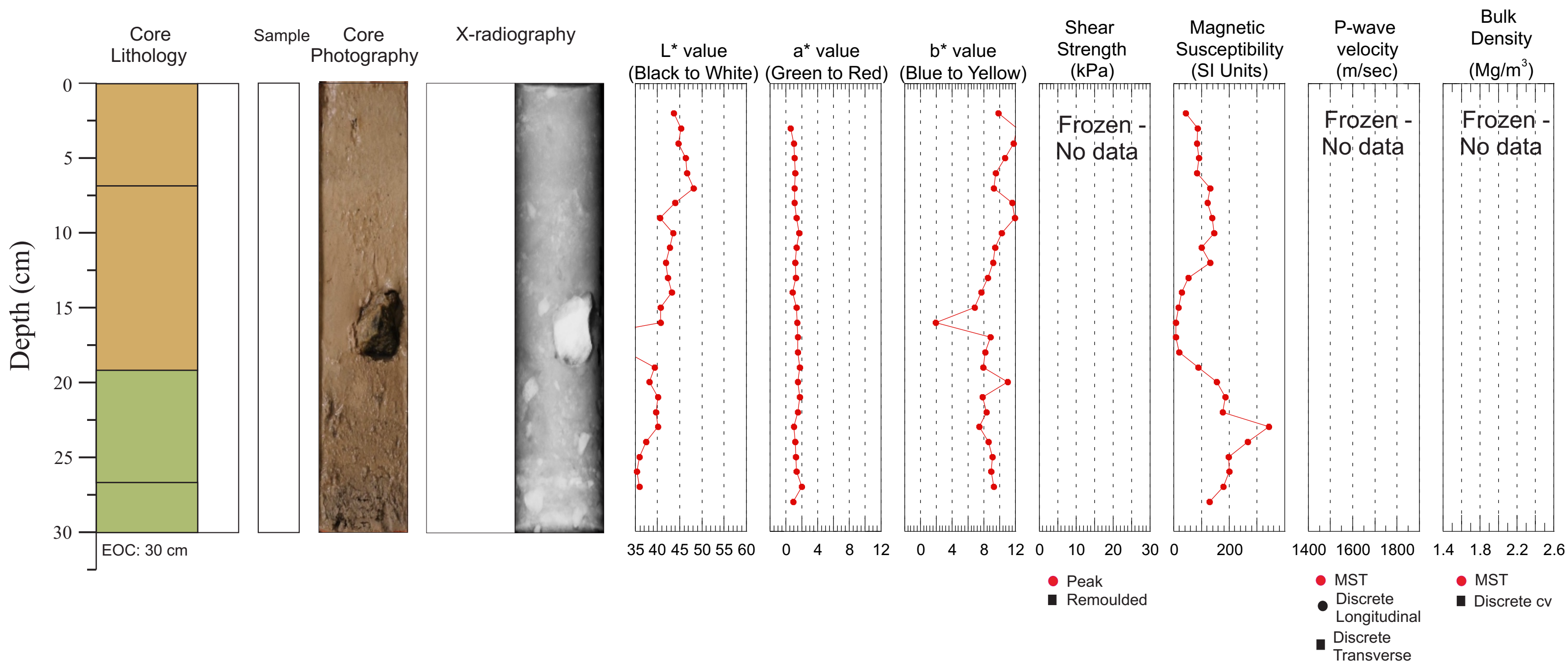
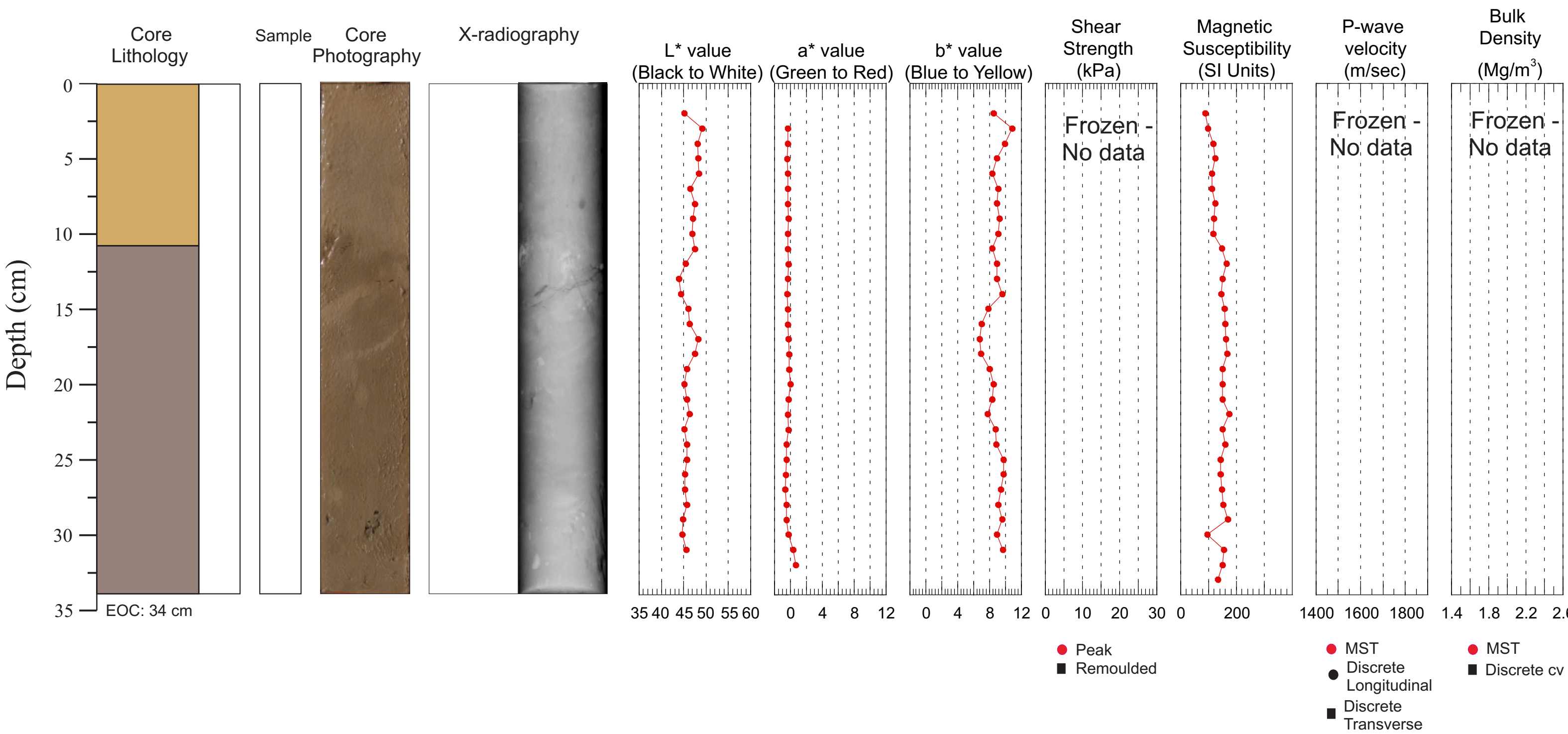
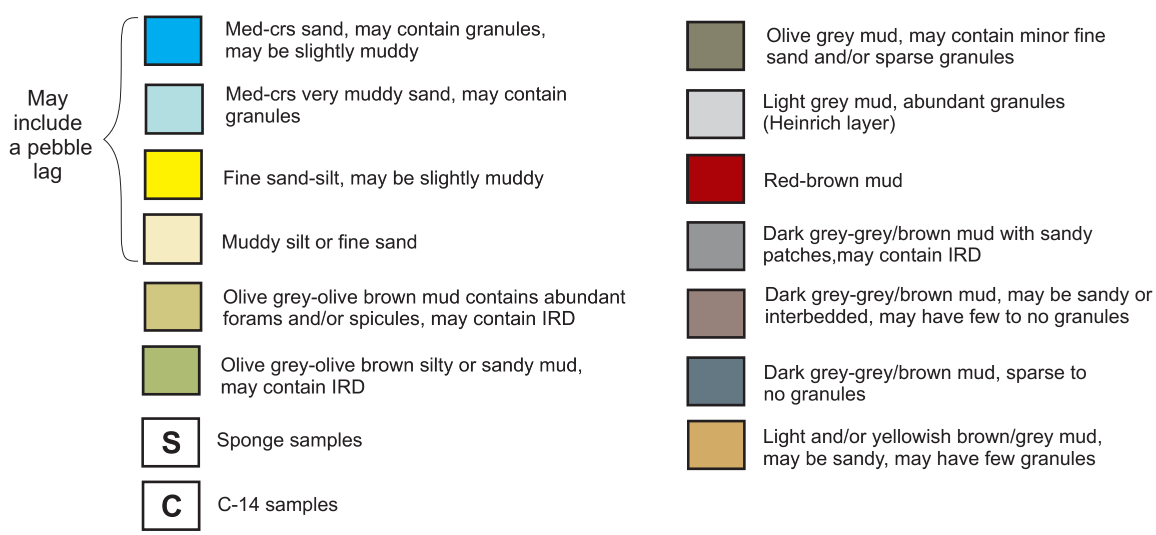


2010061 Phase1 0048A Push Core





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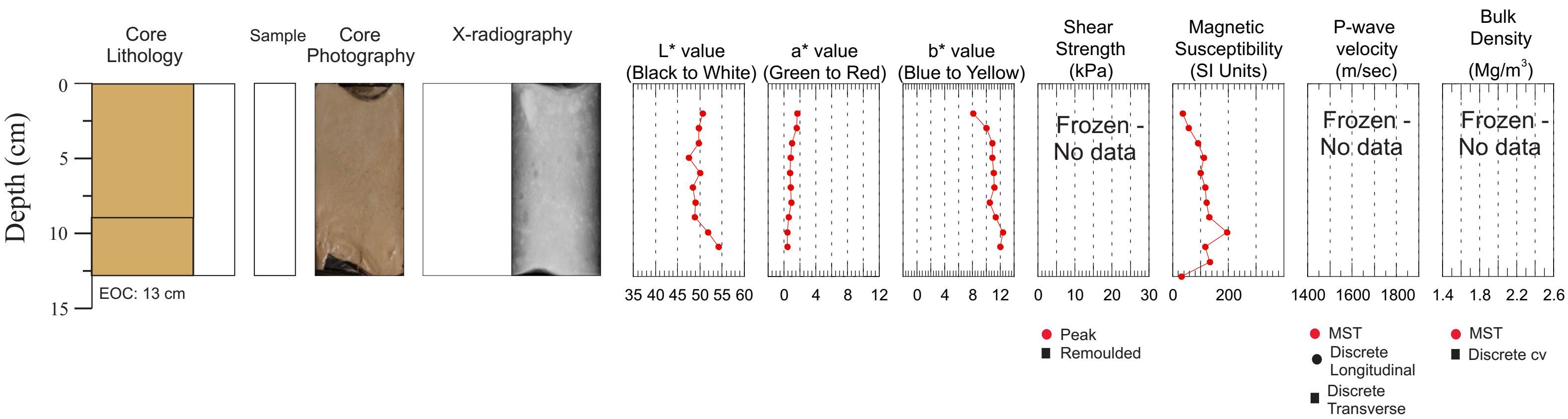
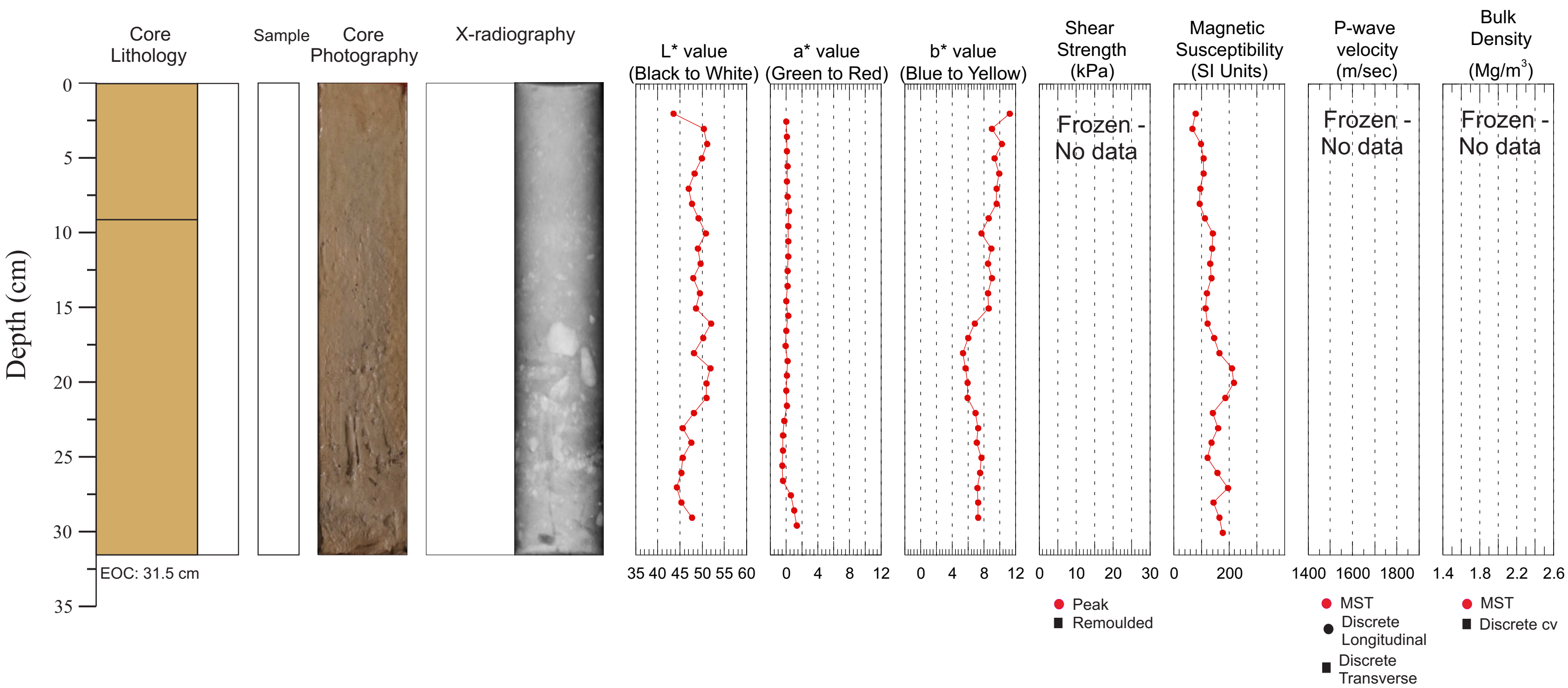


2010061 Phase1 0051A Push Core



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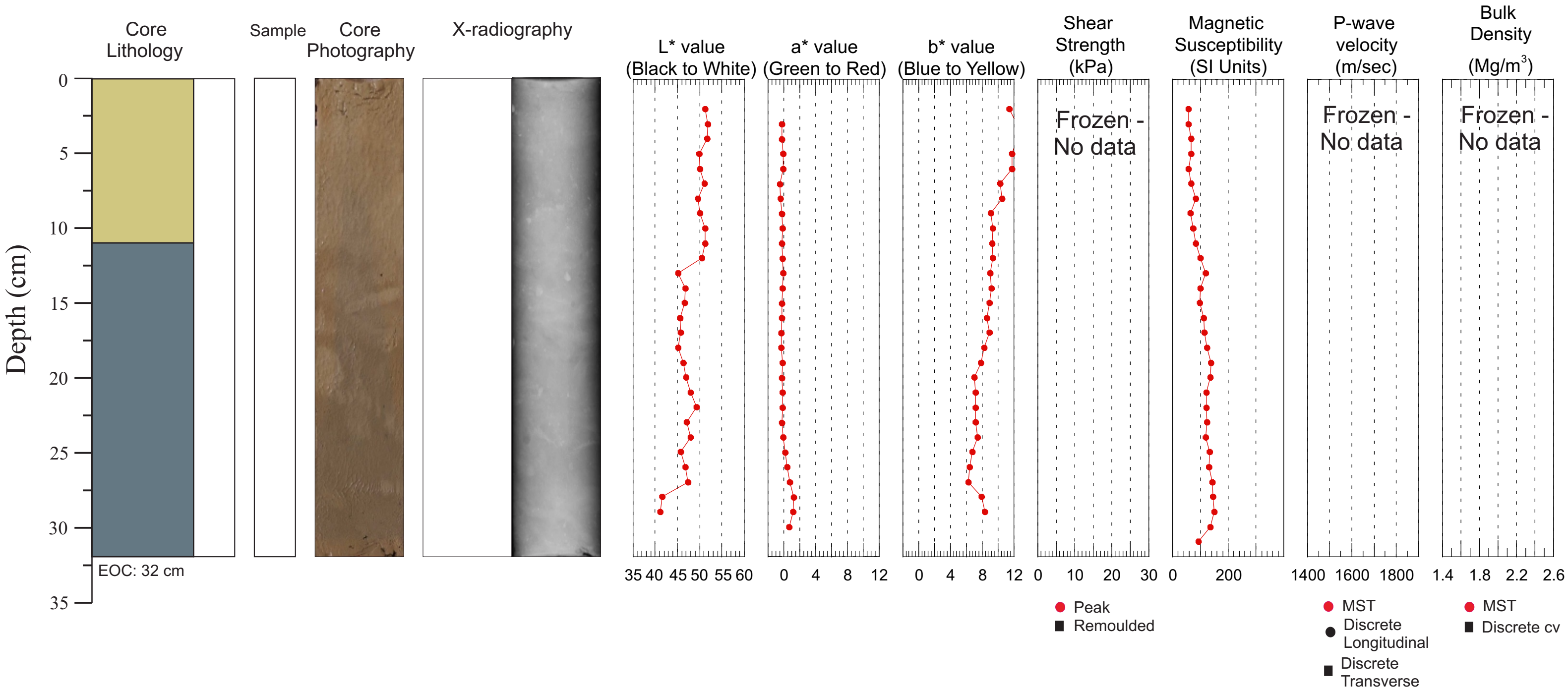

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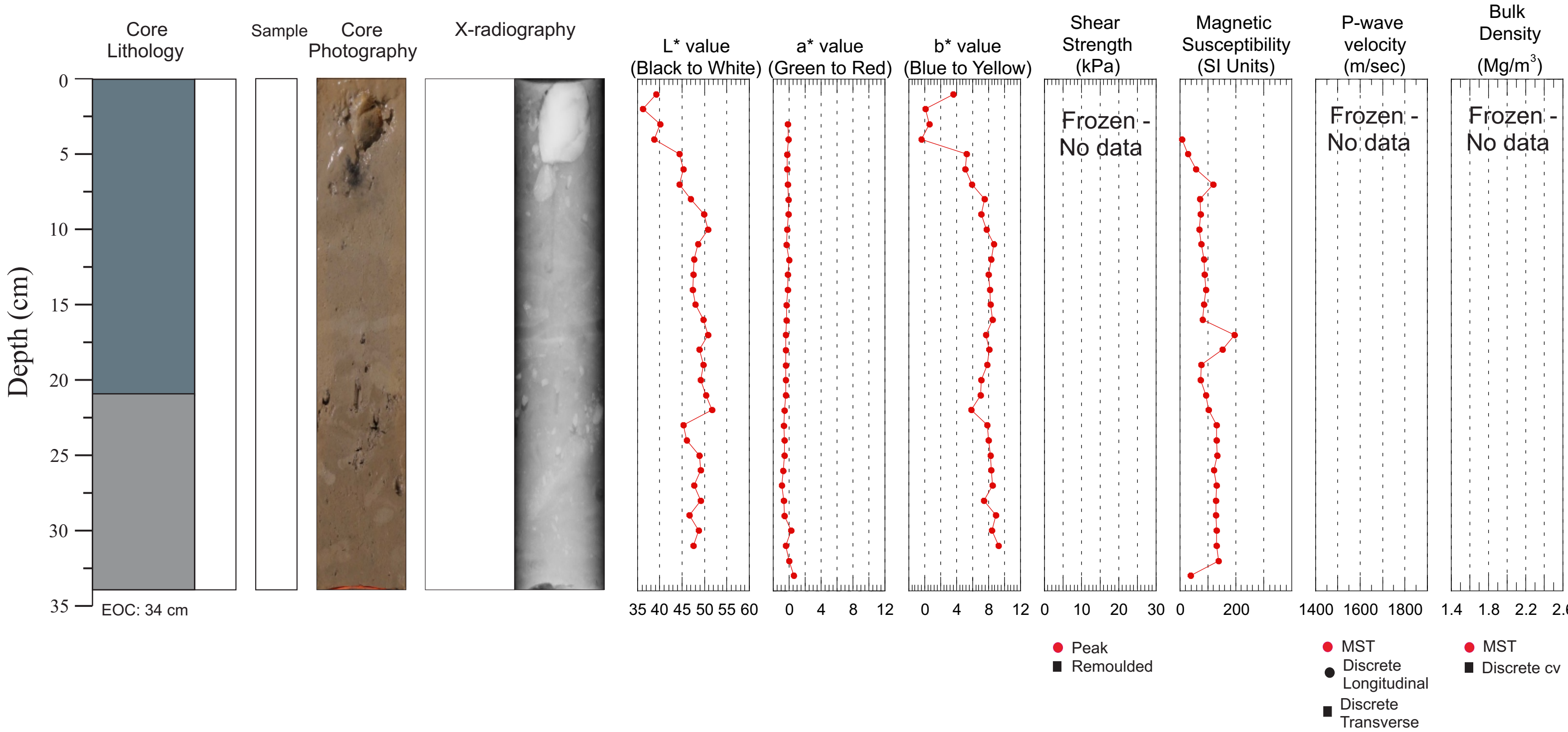
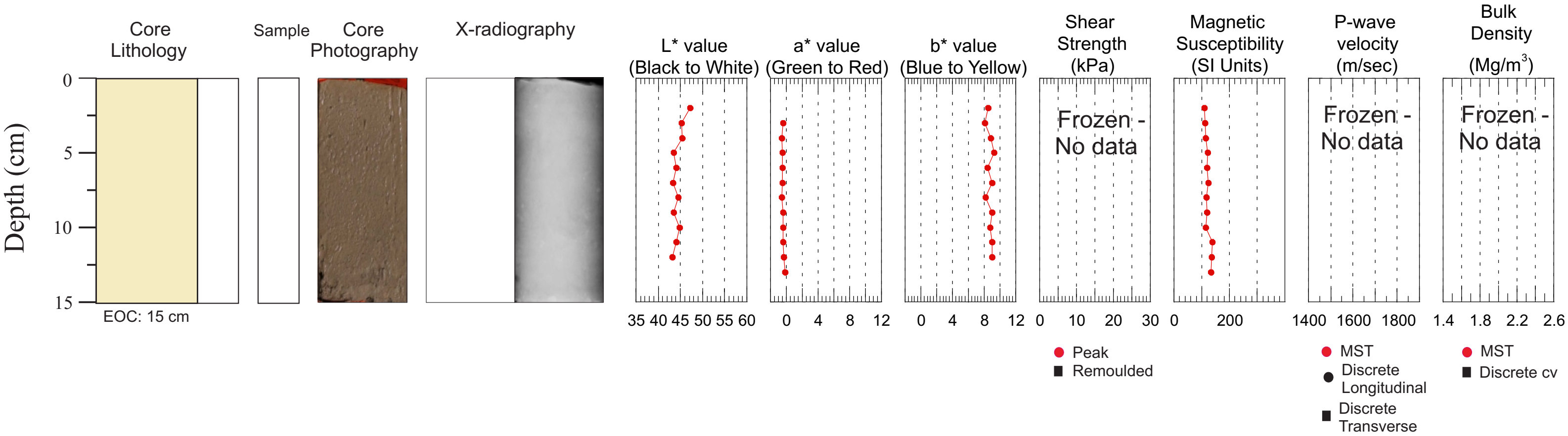


2010061 Phase1 0055A Push Core



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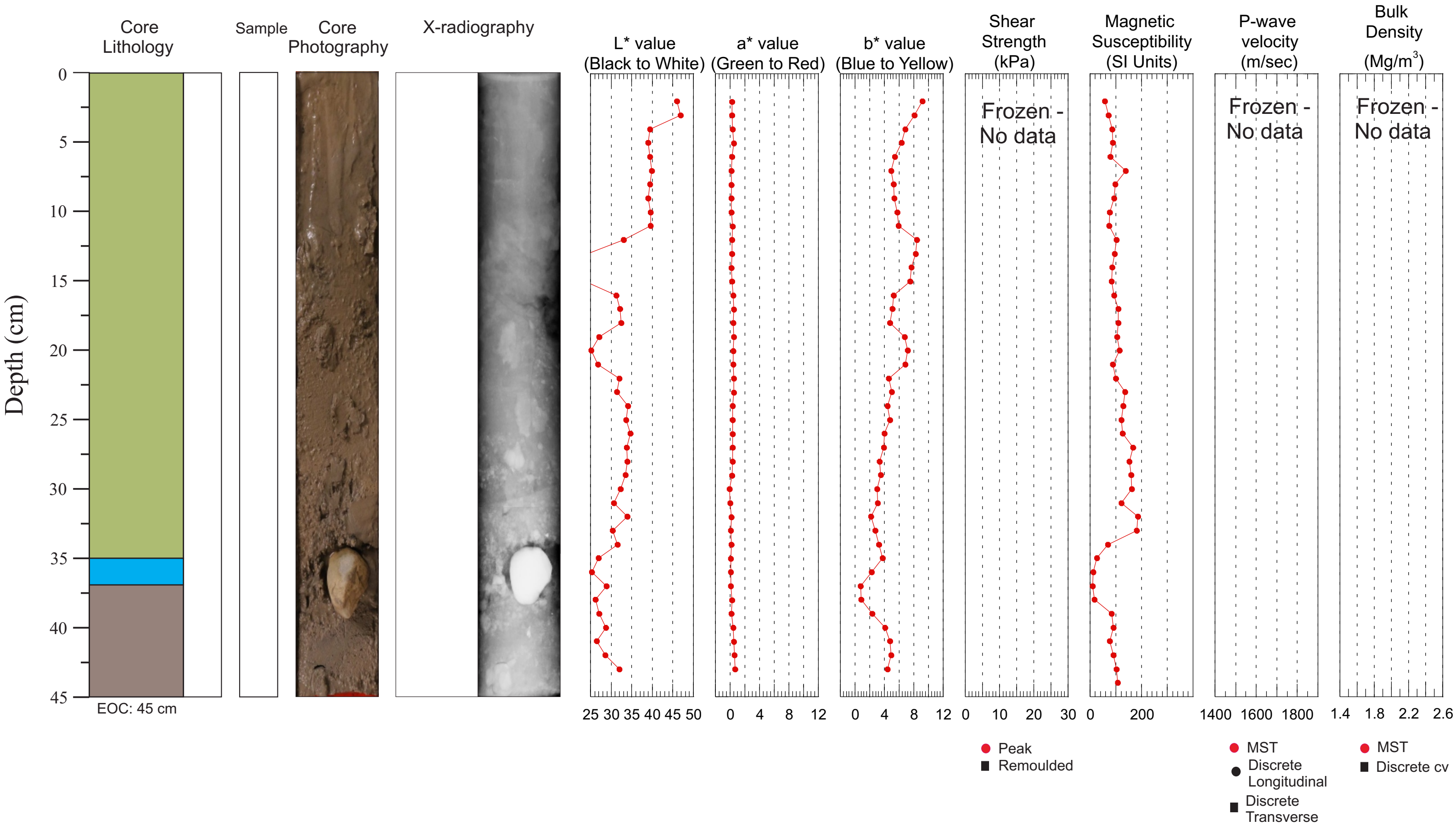
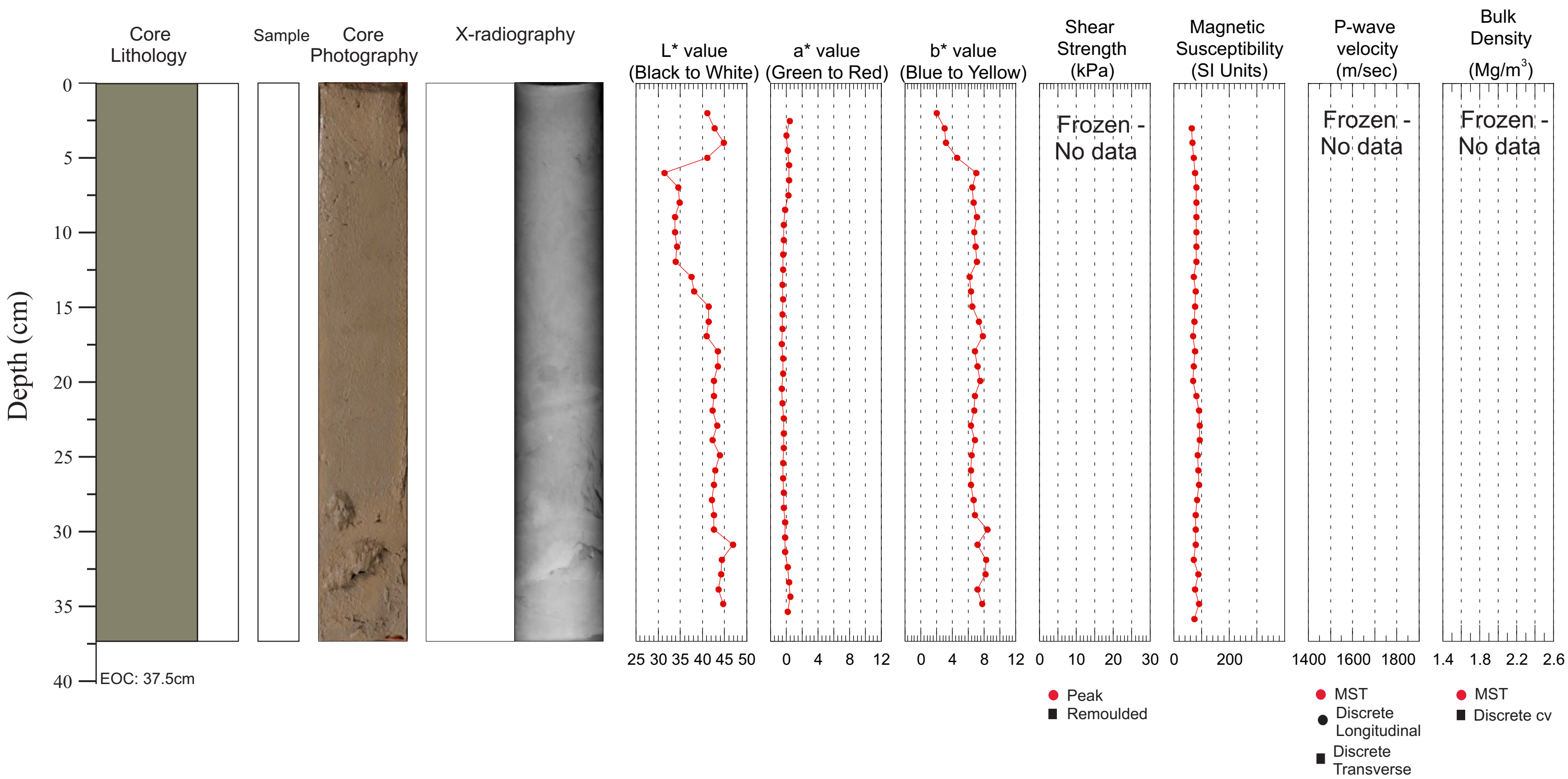
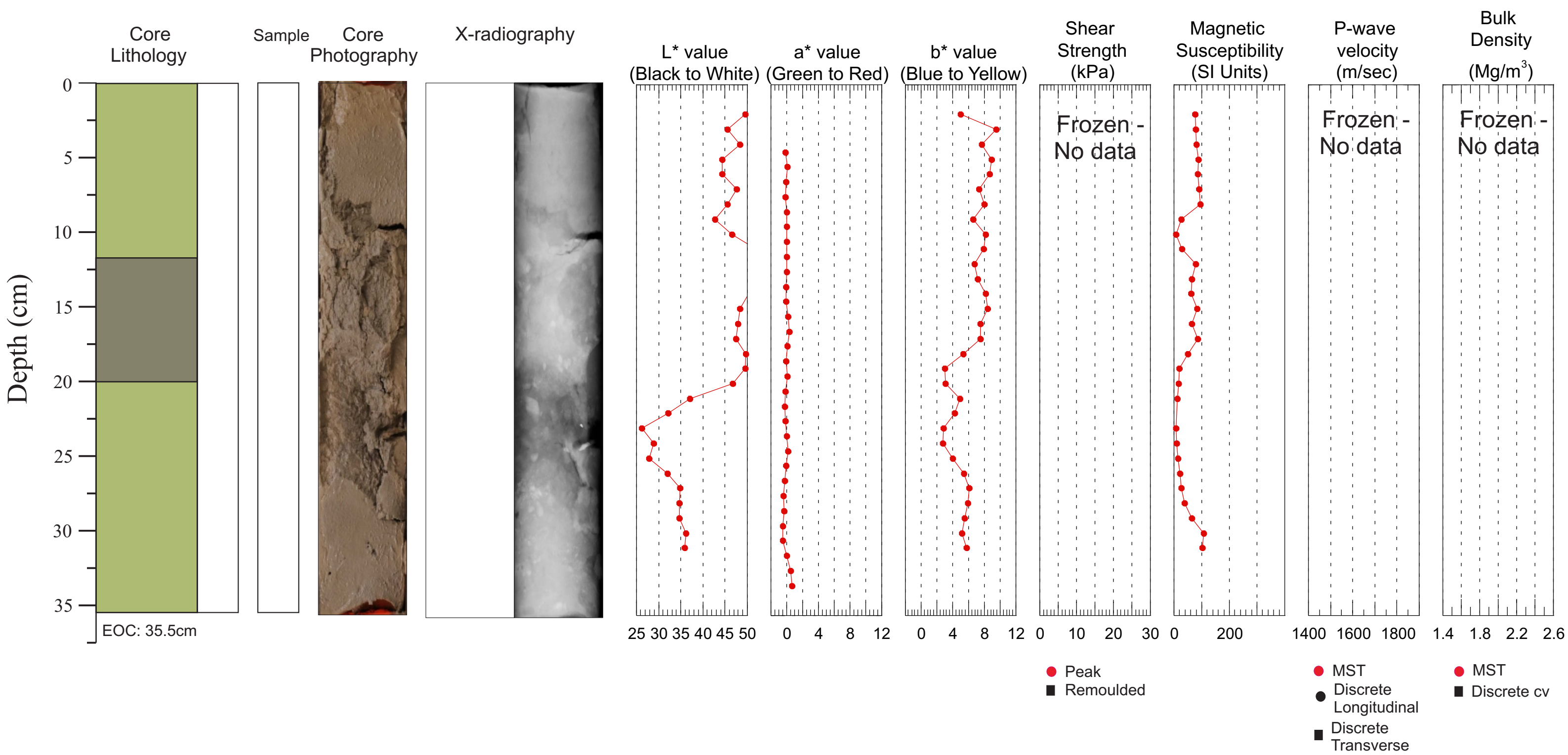


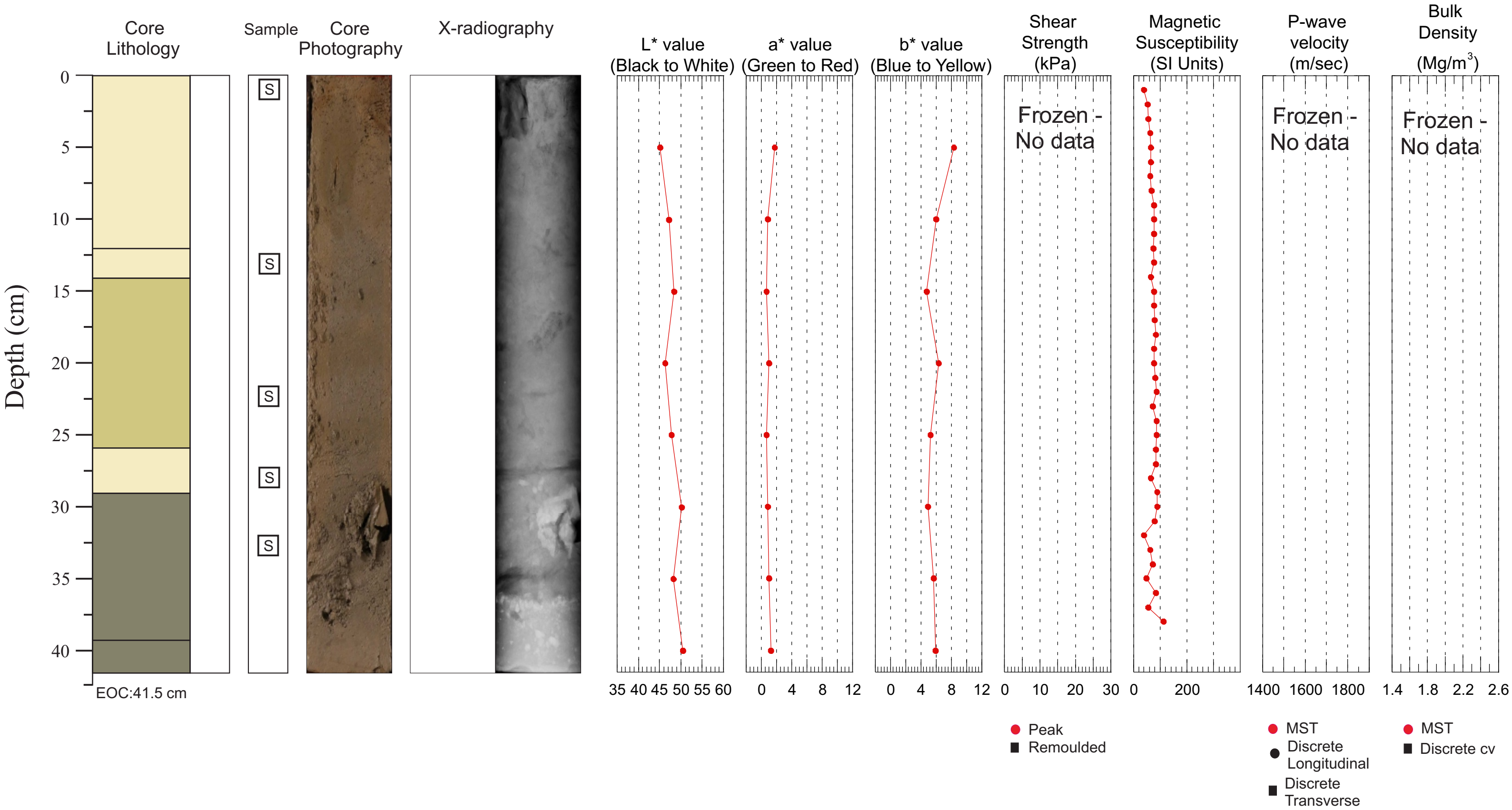
2010061 Phase1 0058A Push Core



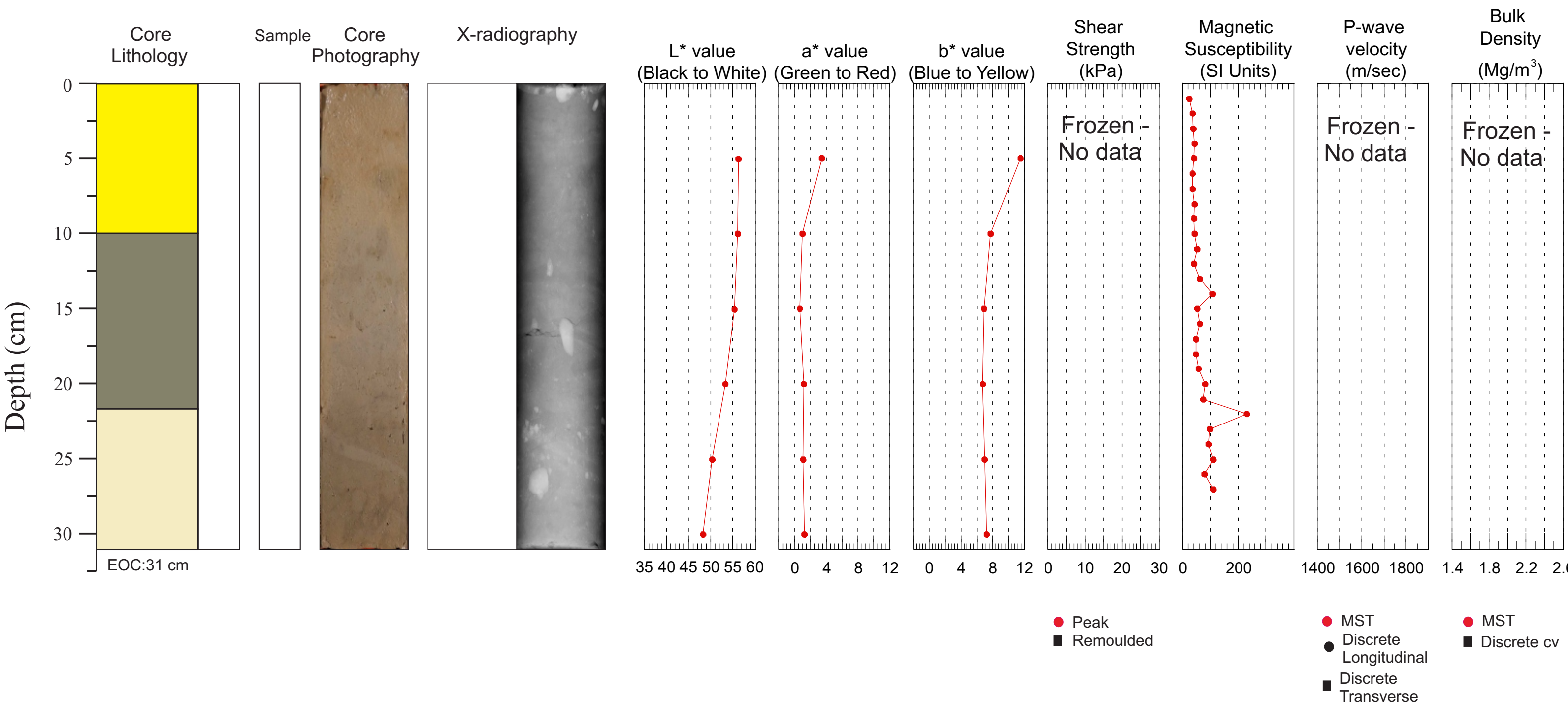
2010061 Phase1 0059A Push Core



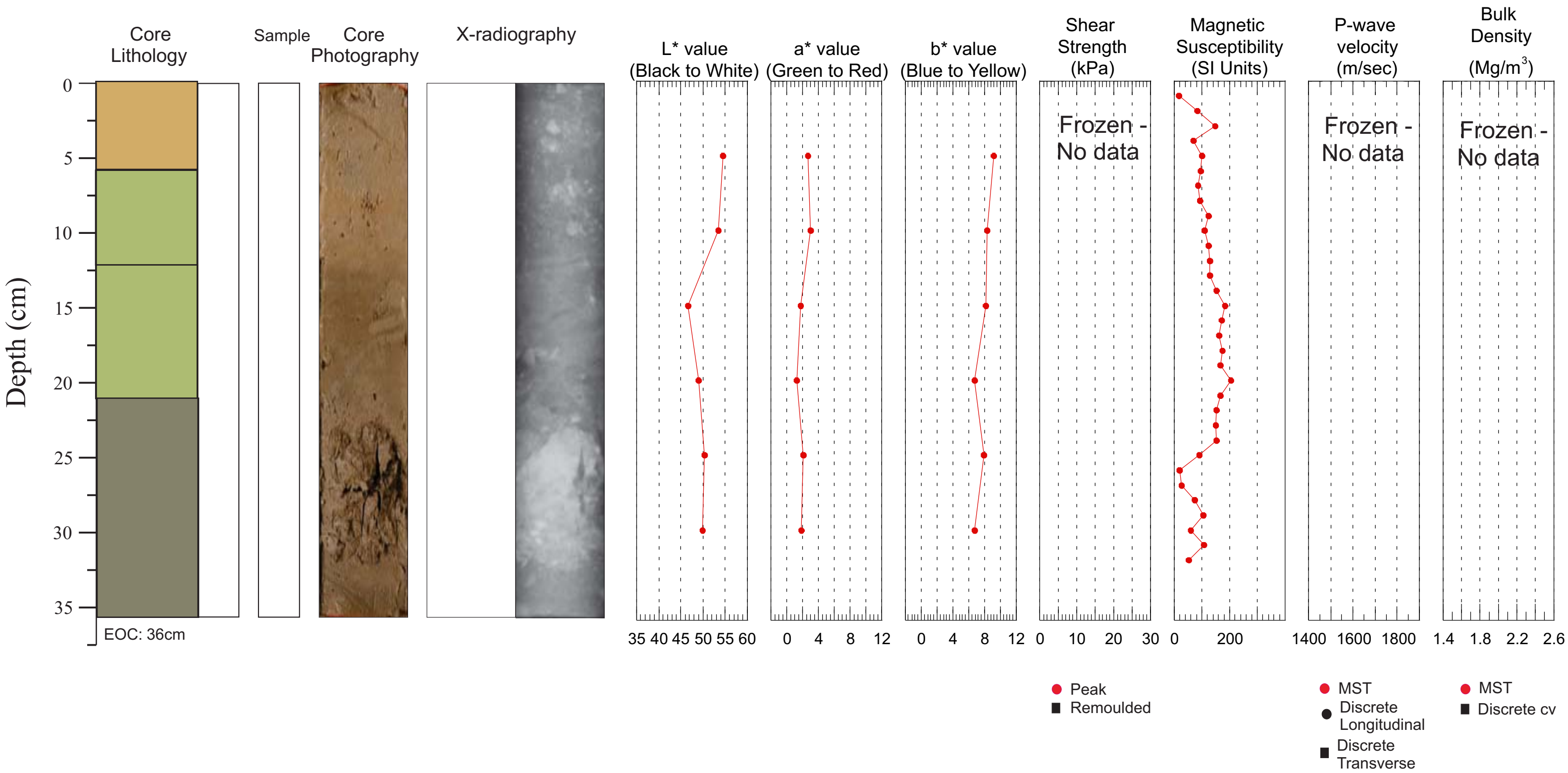
2010061 Phase 2 0001A Push Core



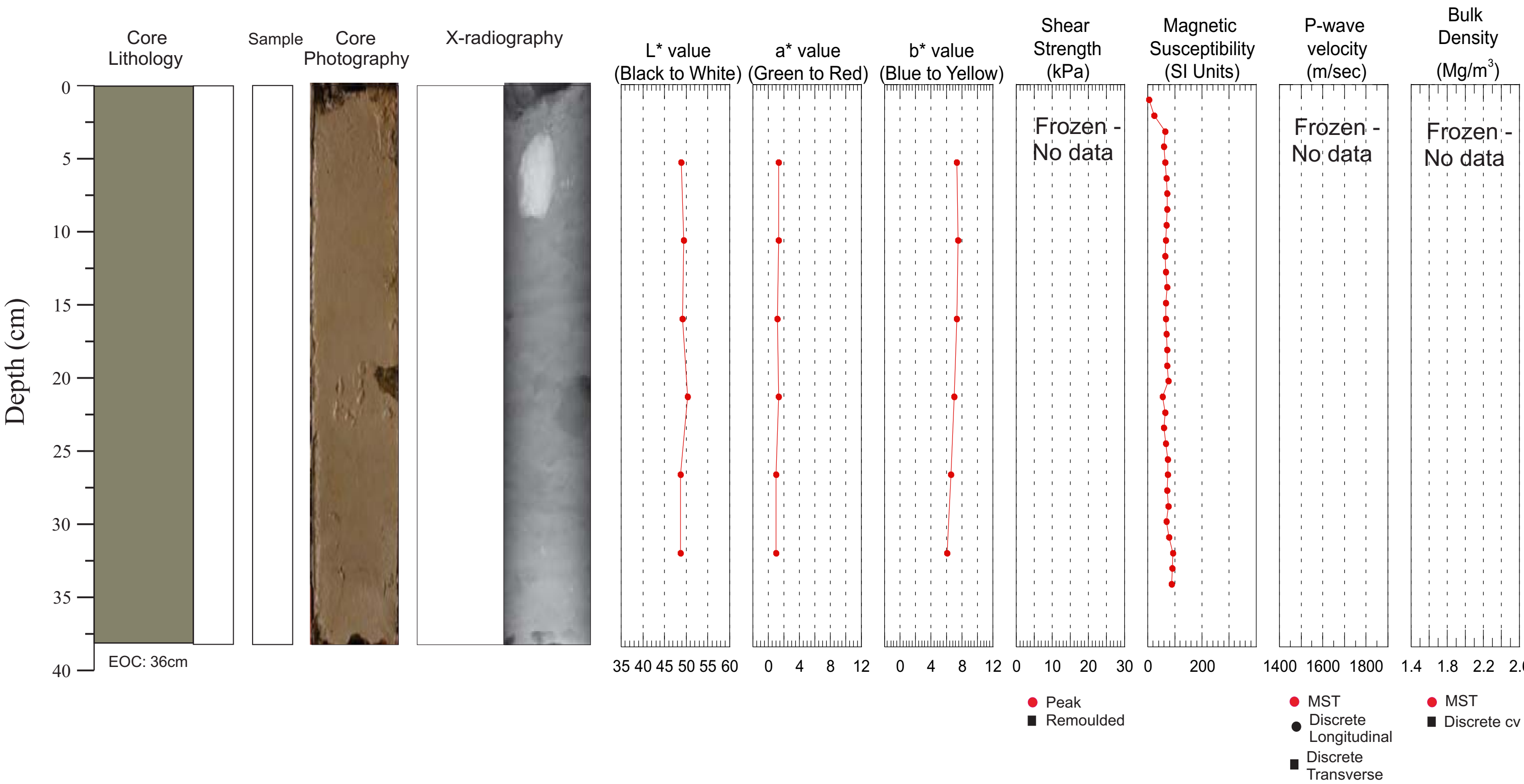
2010061 Phase 2 0003A Push Core



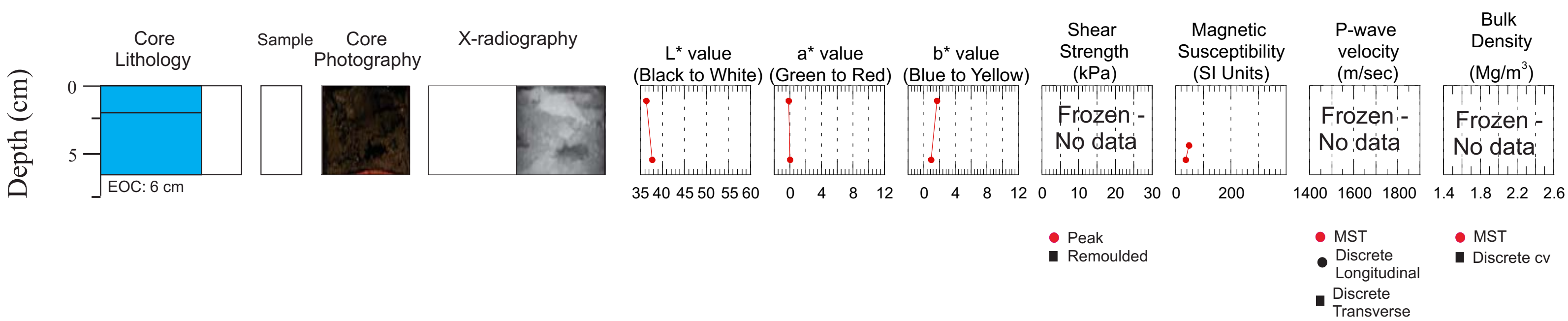
2010061 Phase 2 0004A Push Core



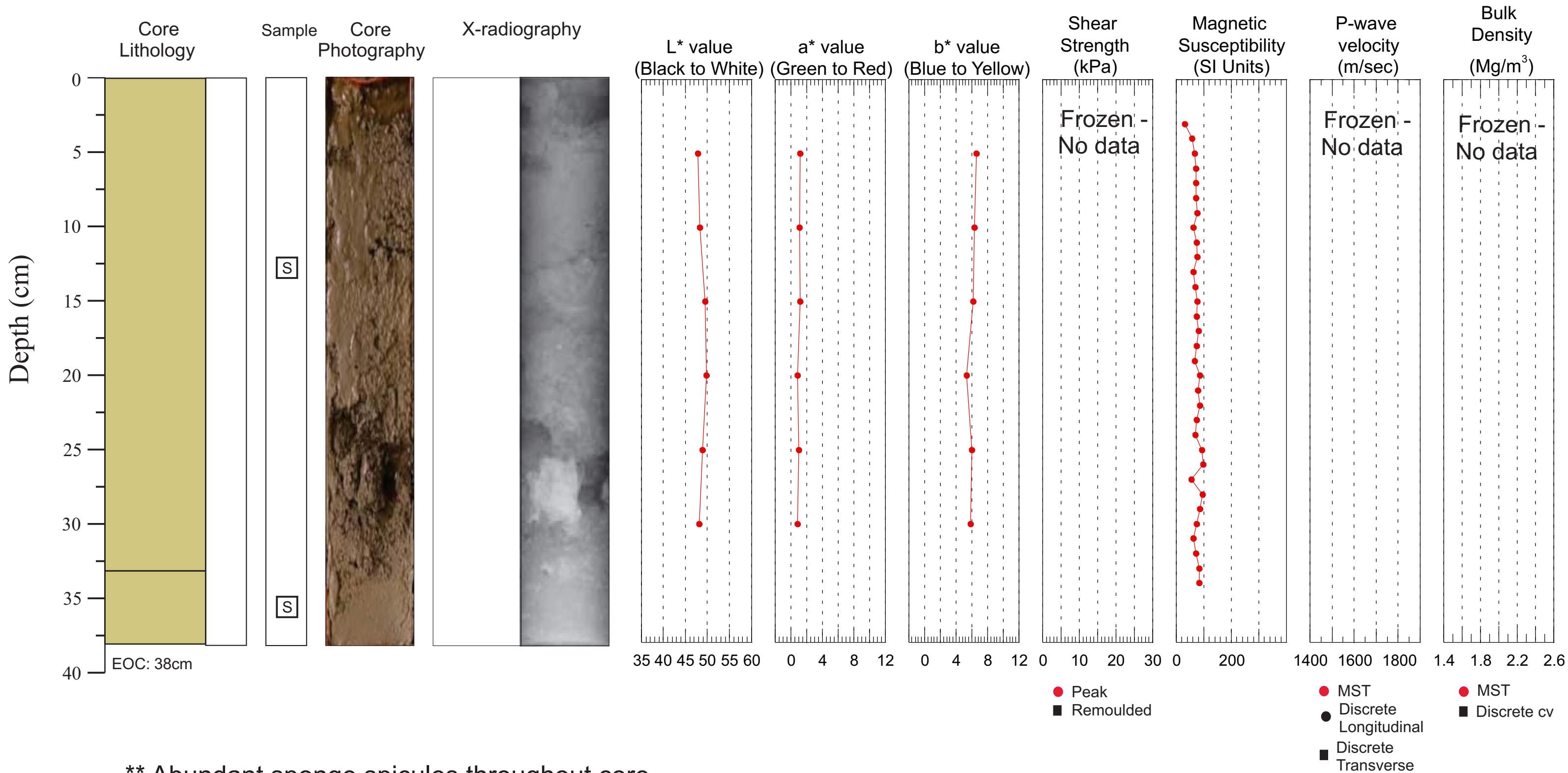
2010061 Phase 2 0006A Push Core



2010061 Phase 2 0007A Push Core

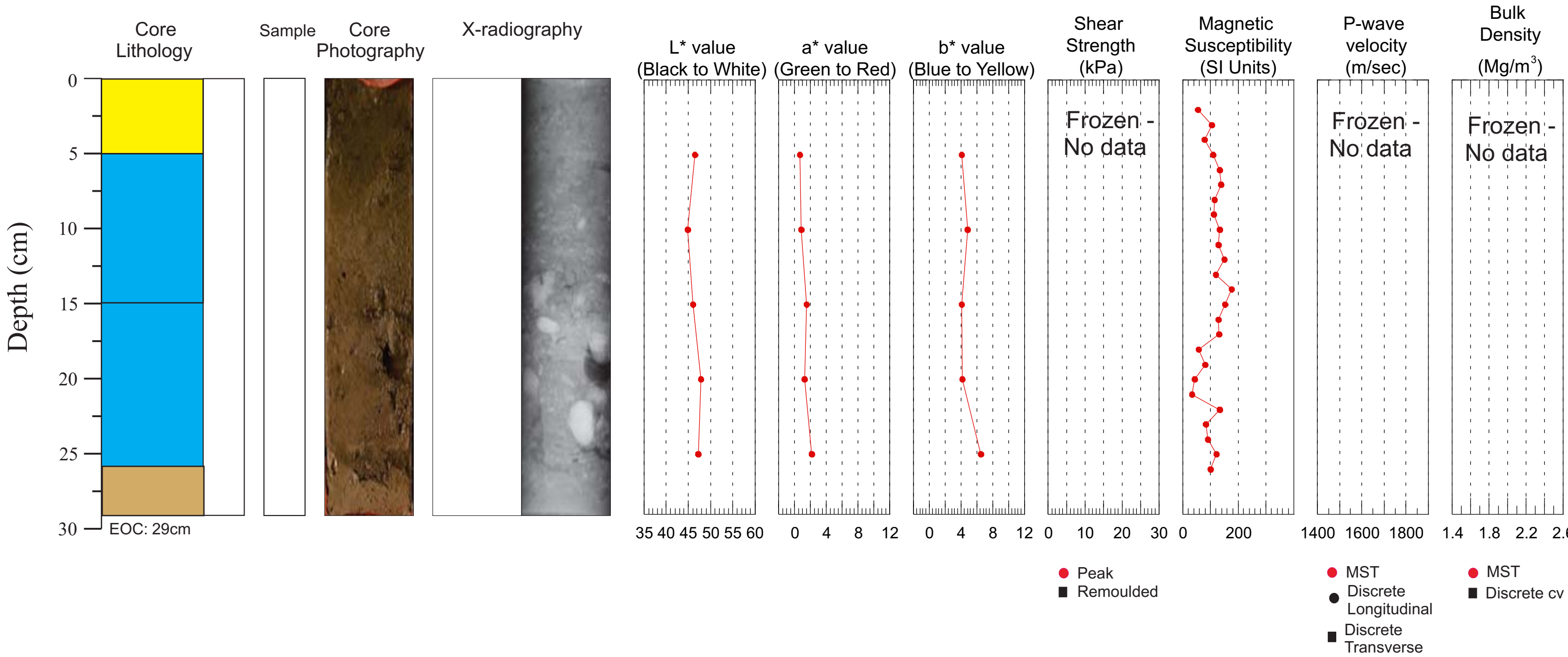


2010061 Phase 2 0008A Push Core

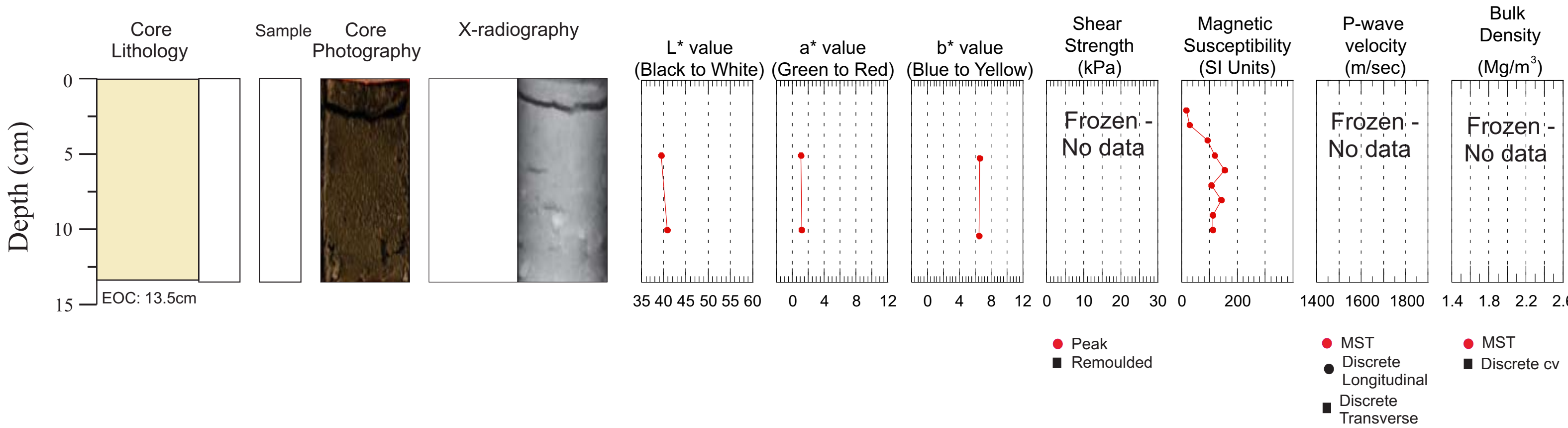


** Abundant sponge spicules throughout core

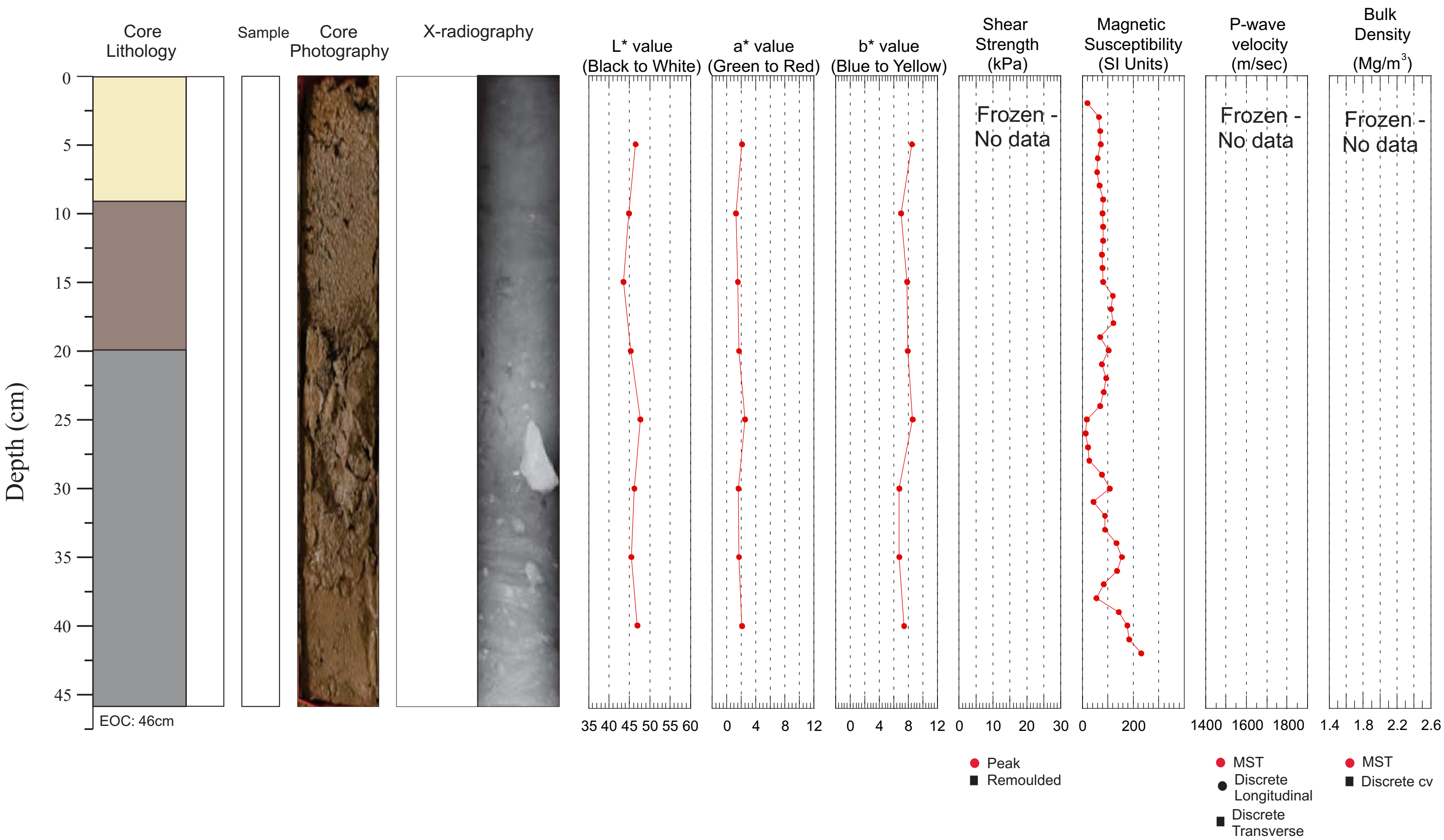
2010061 Phase 2 0010A Push Core



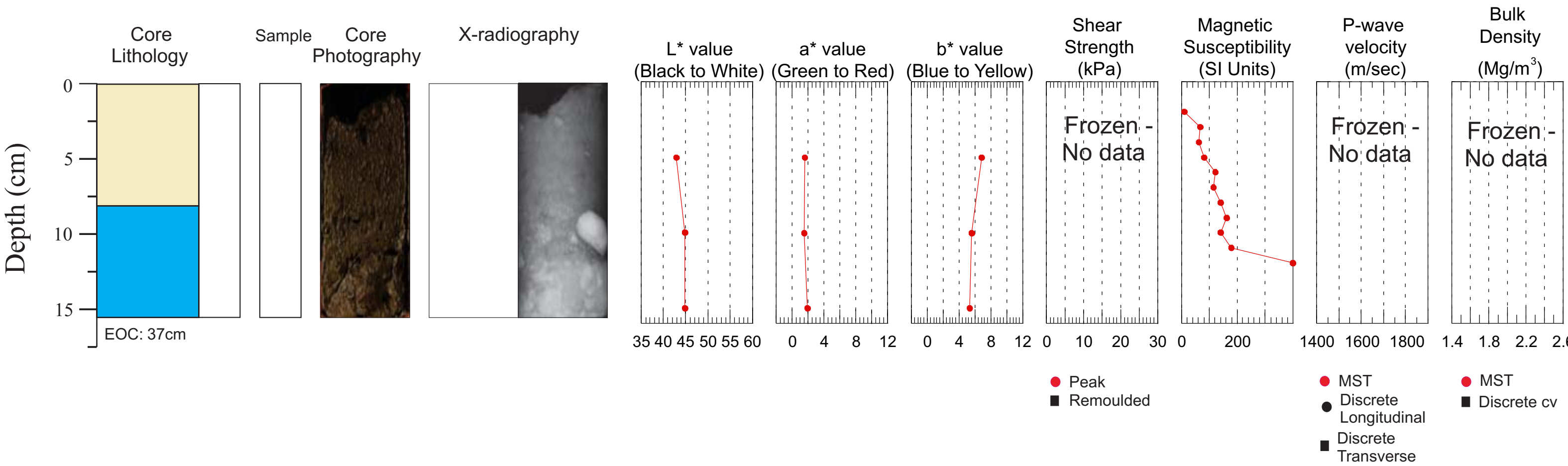
2010061 Phase 2 0011A Push Core



2010061 Phase 2 0012A Push Core



2010061 Phase 2 0013A Push Core



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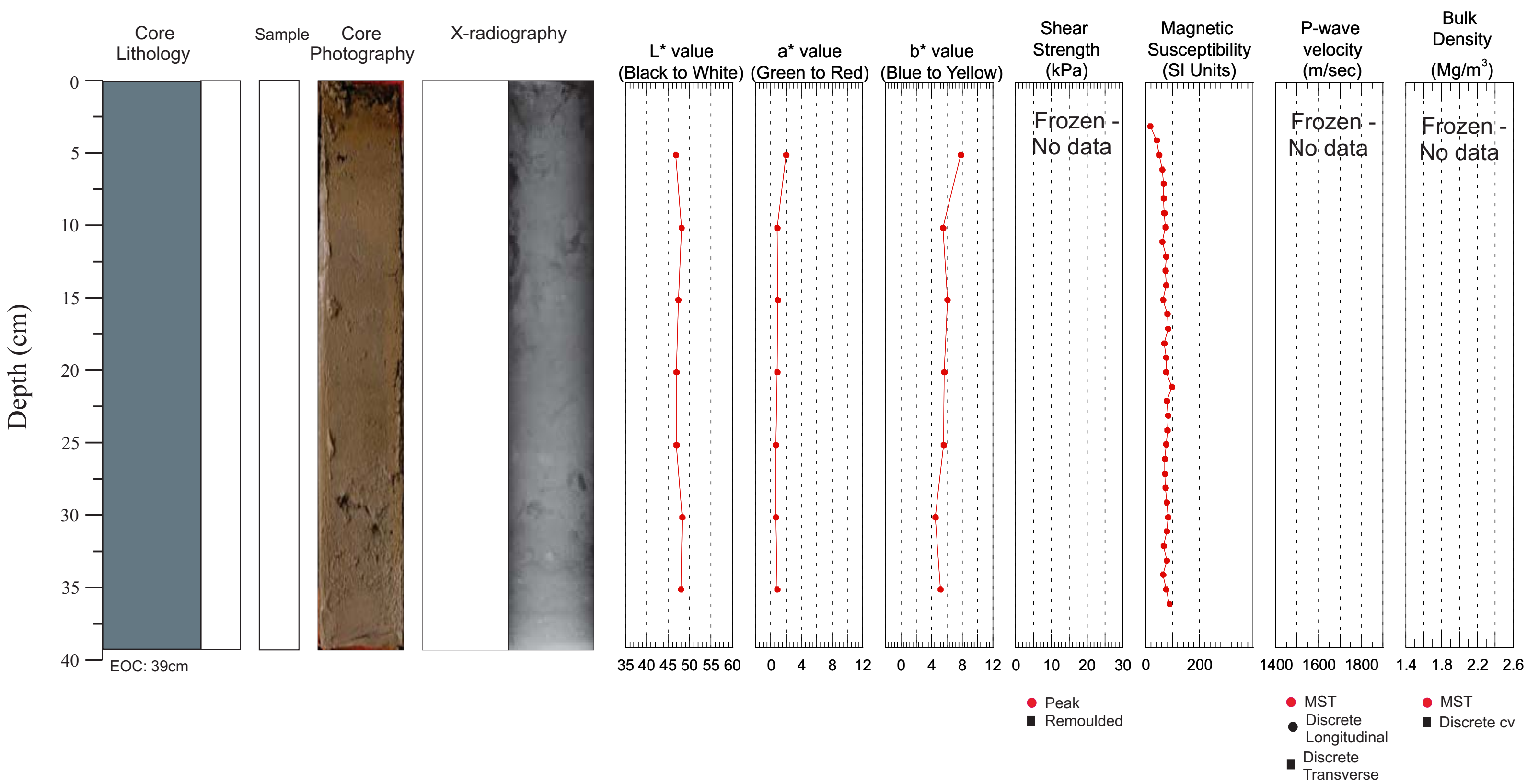
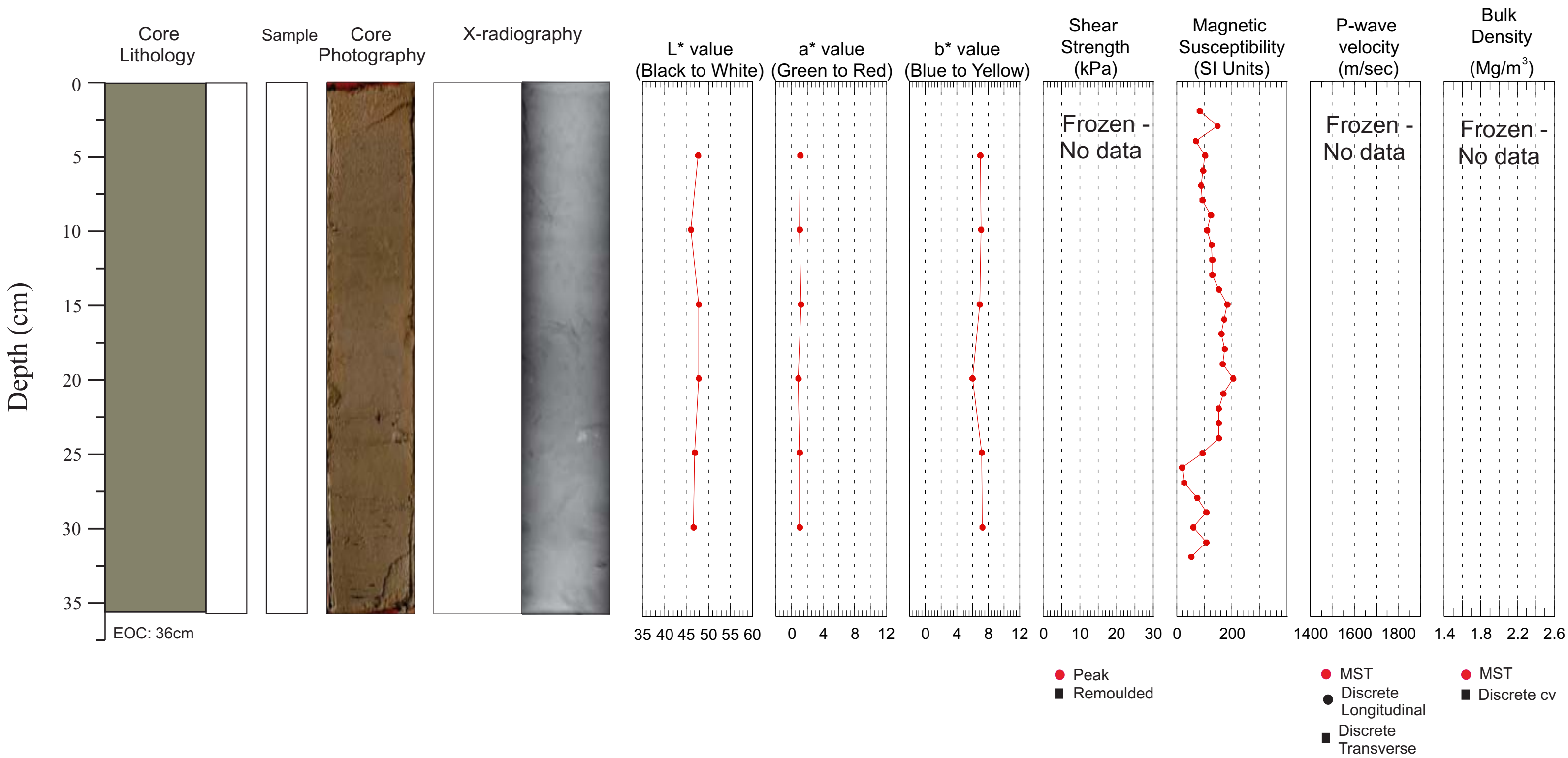


2010061 Phase 2 0016A Push Core



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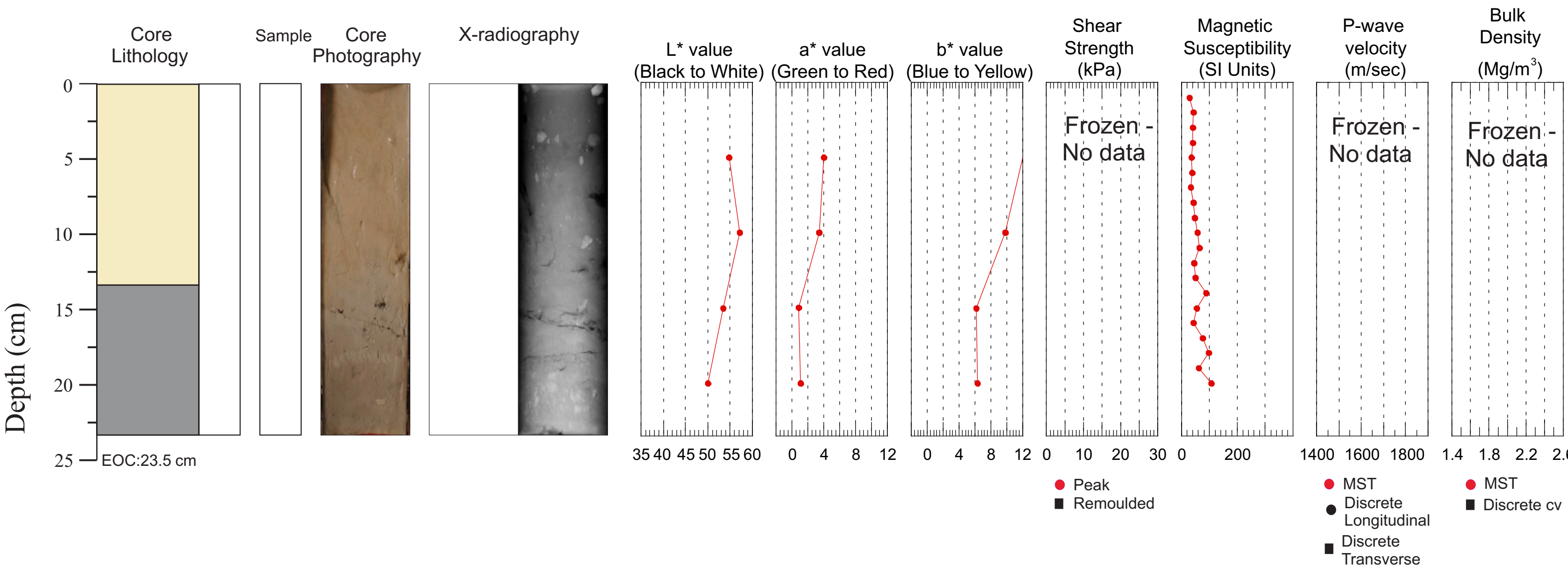
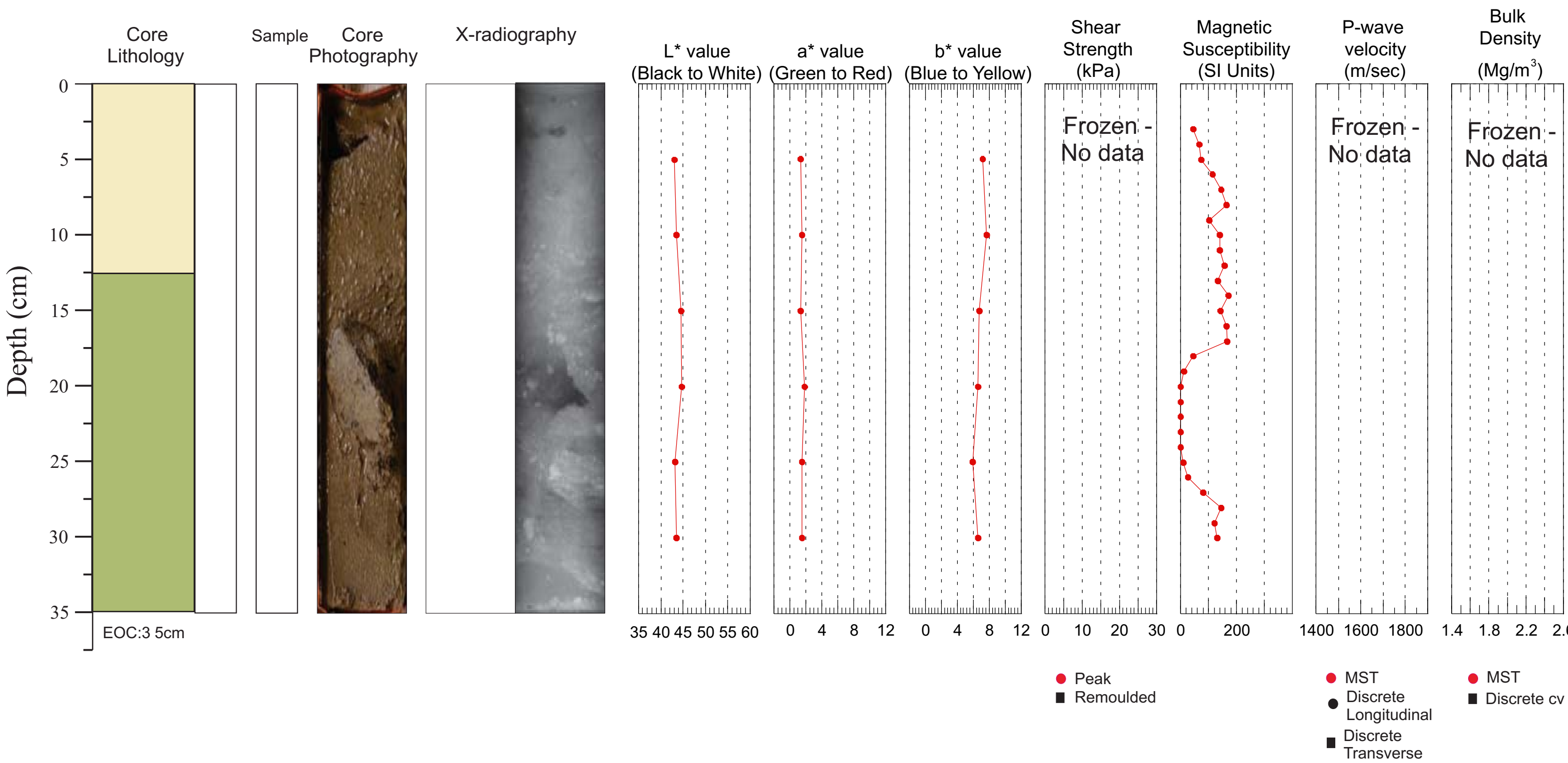


2010061 Phase 2 0019A Push Core



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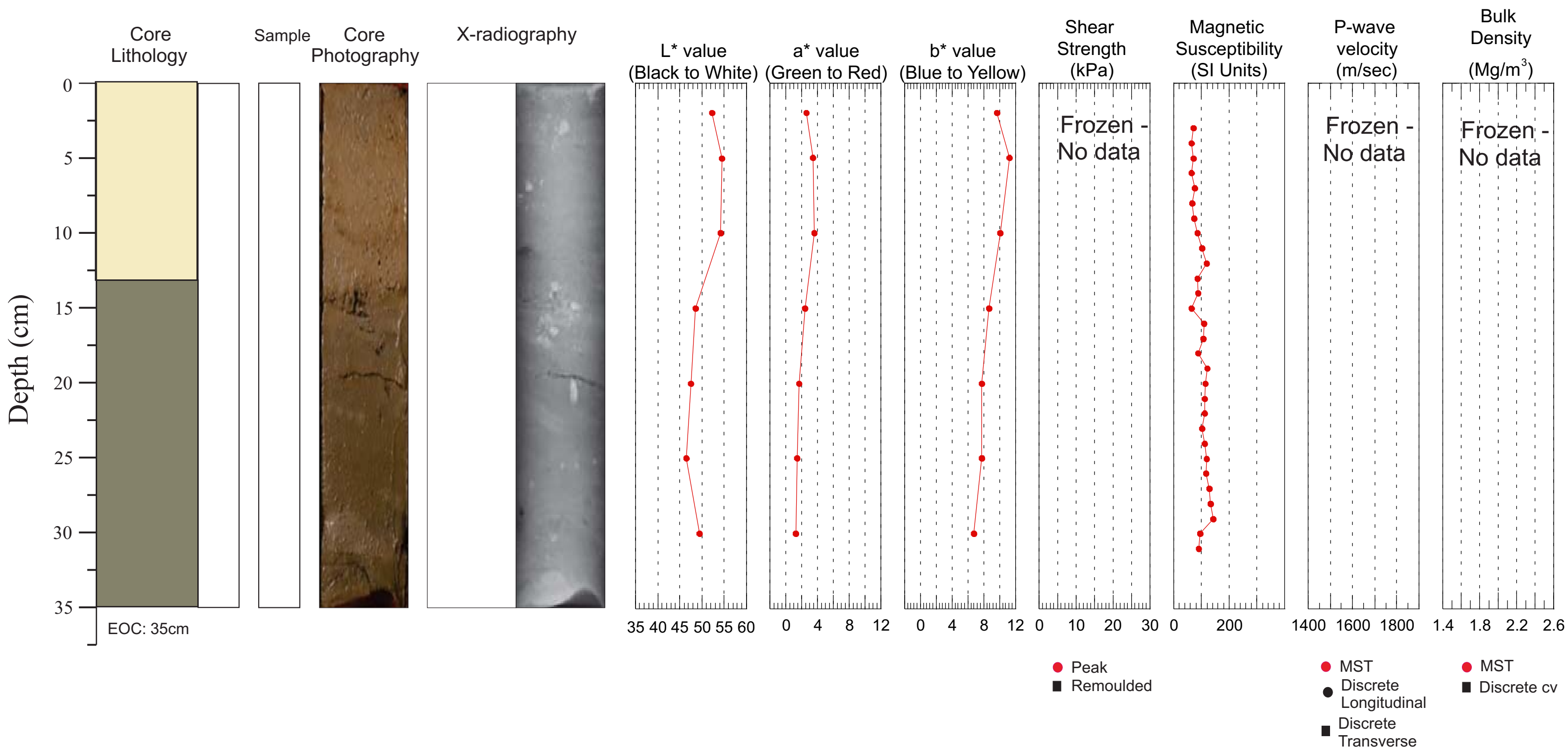

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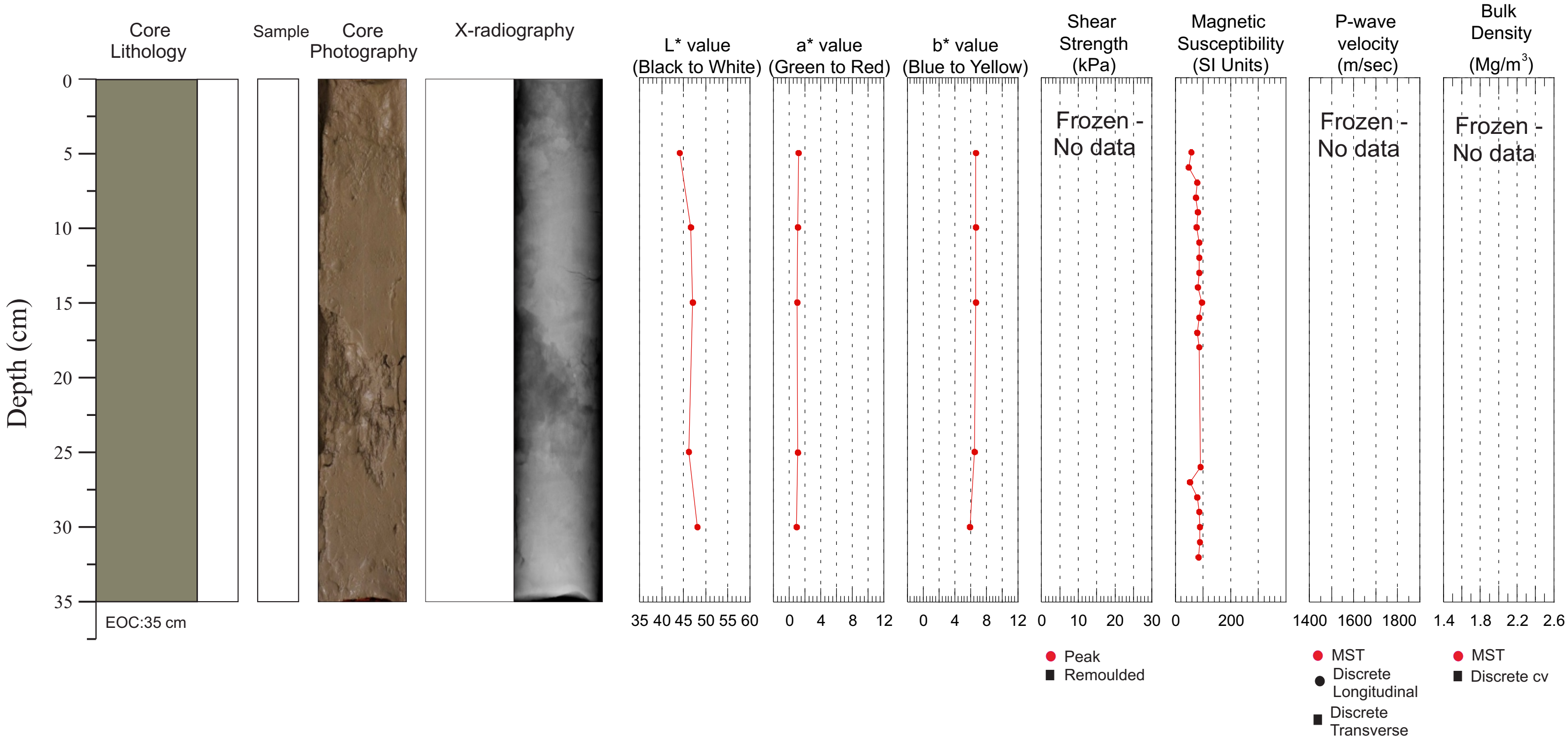

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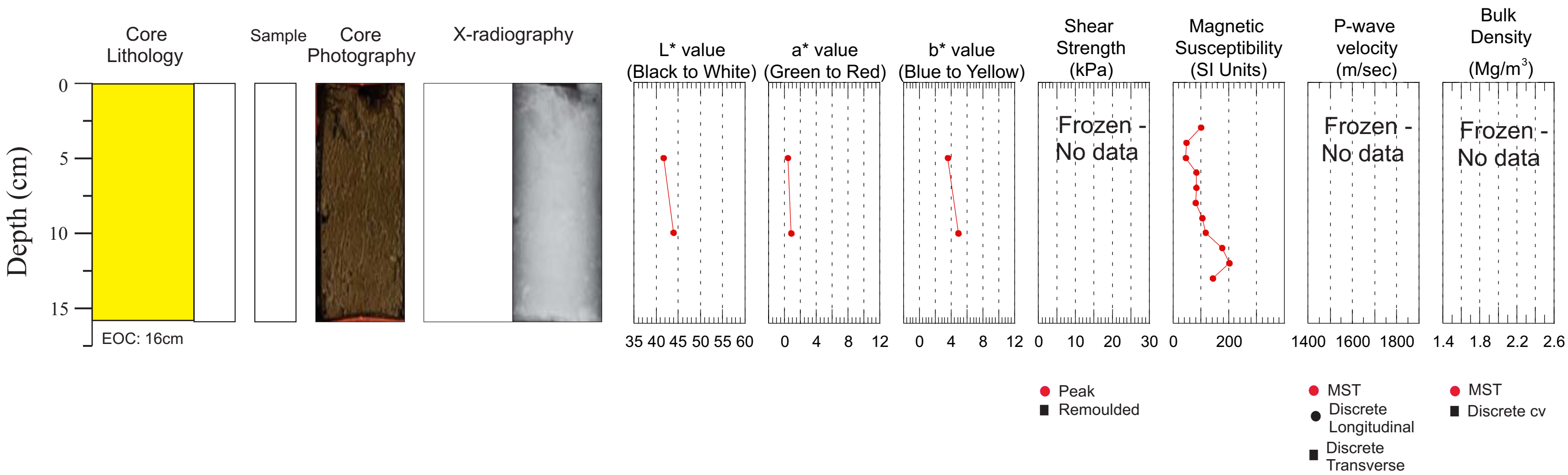
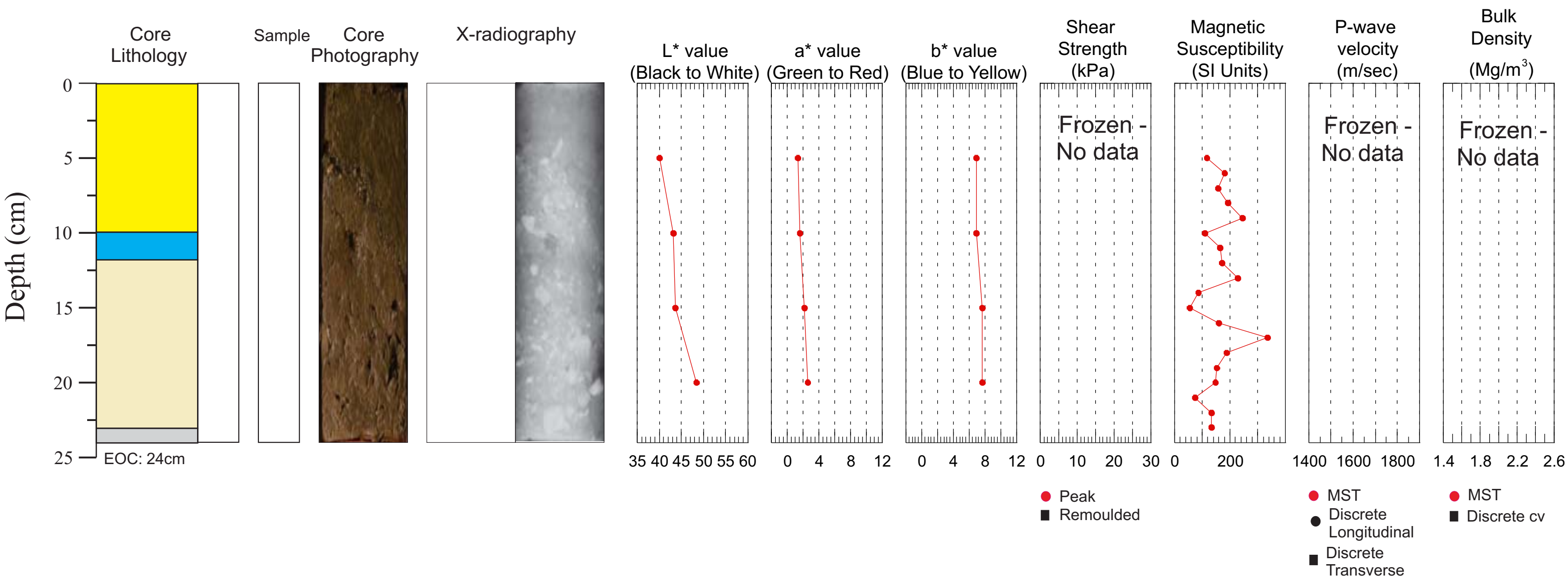
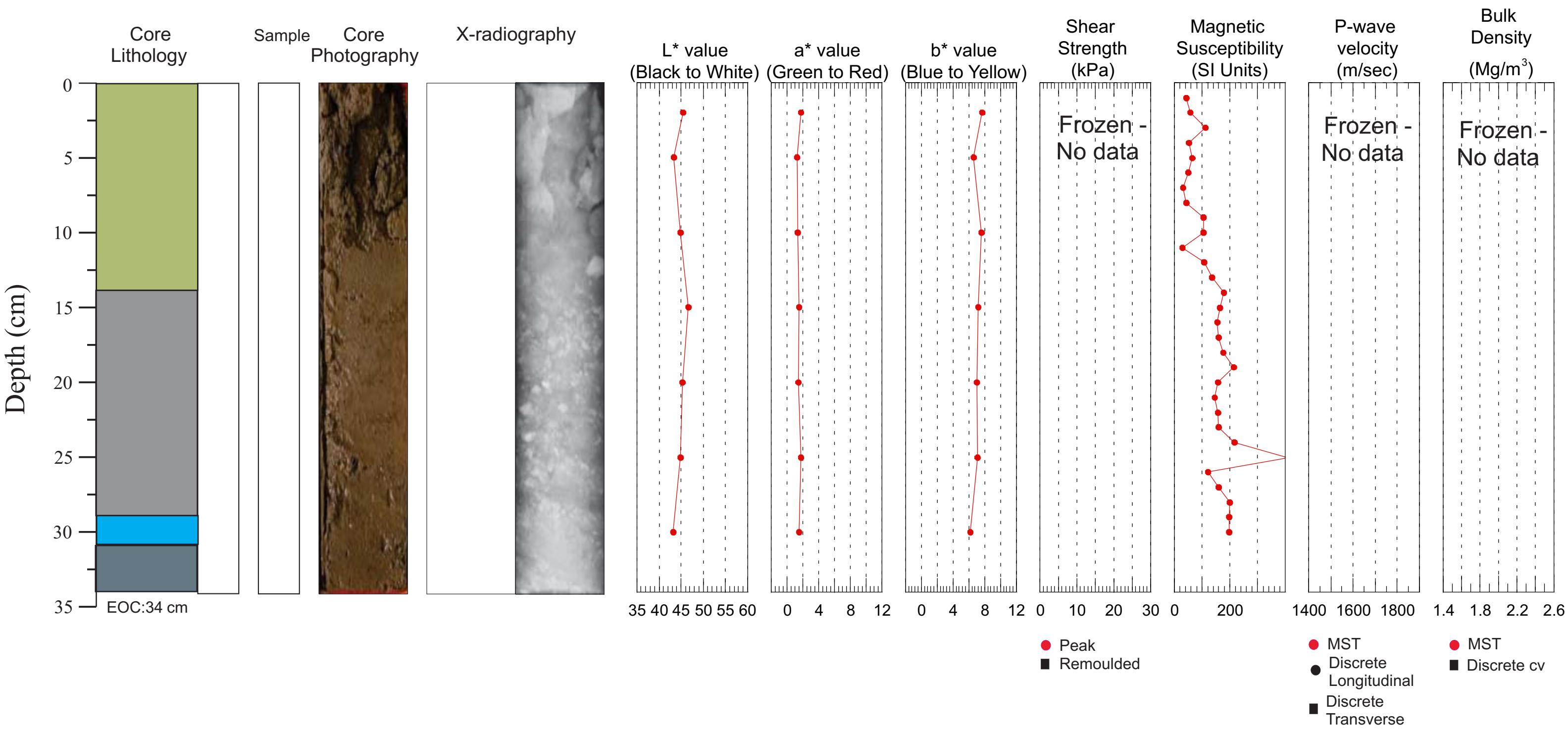


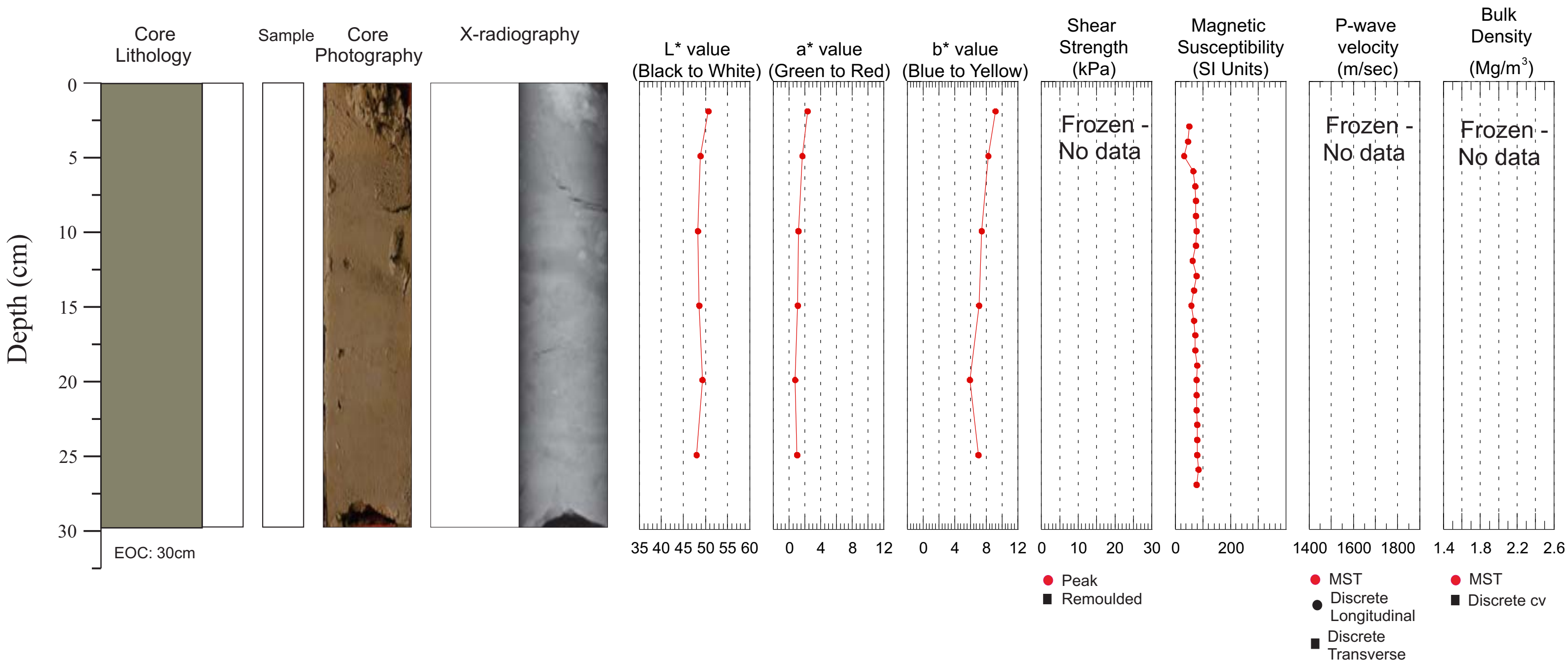
2010061 Phase 2 0024A Push Core



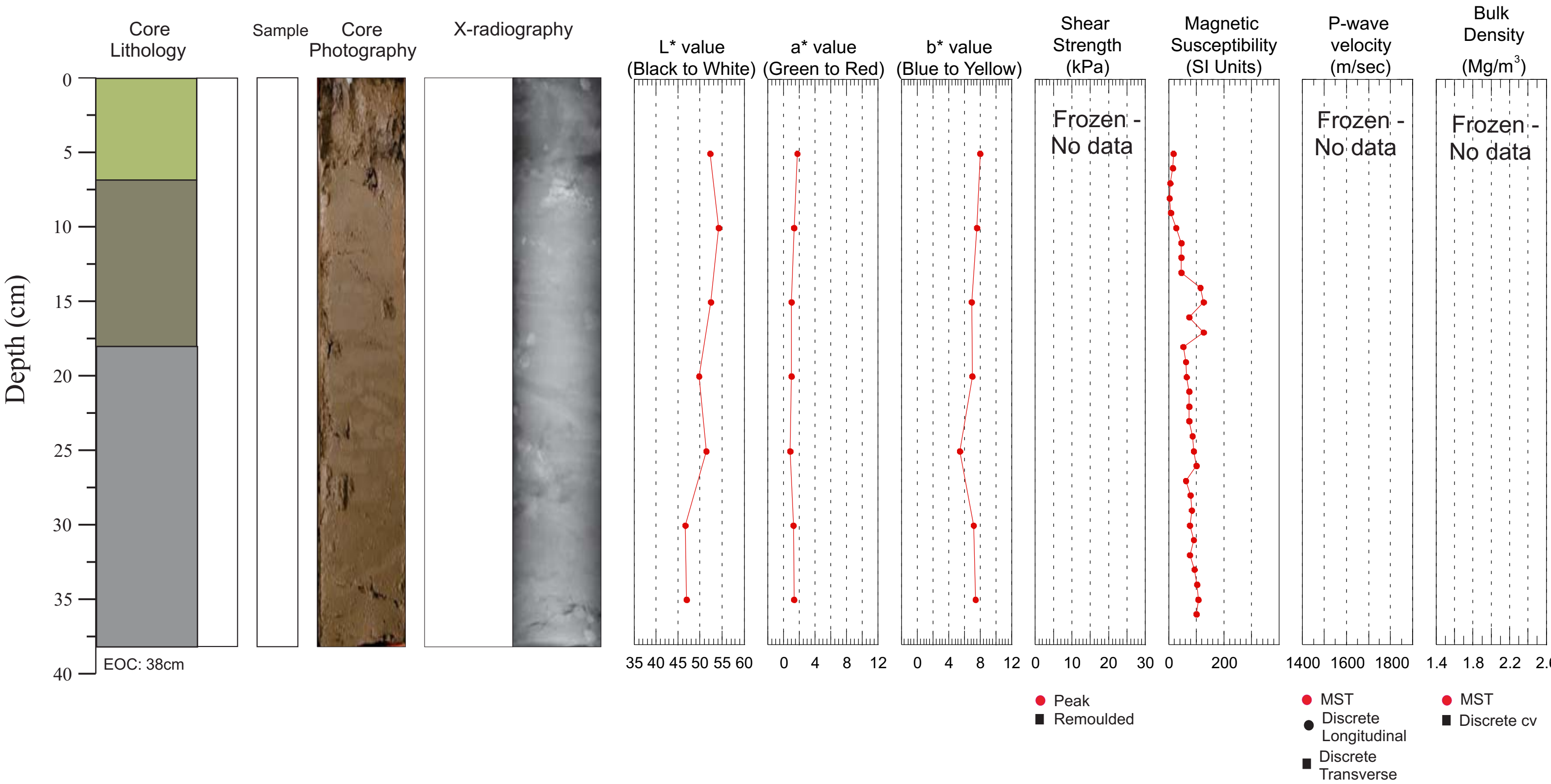
2010061 Phase 2 0025A Push Core



2010061 Phase 2 0026A Push Core



2010061 Phase 2 0028A Push Core



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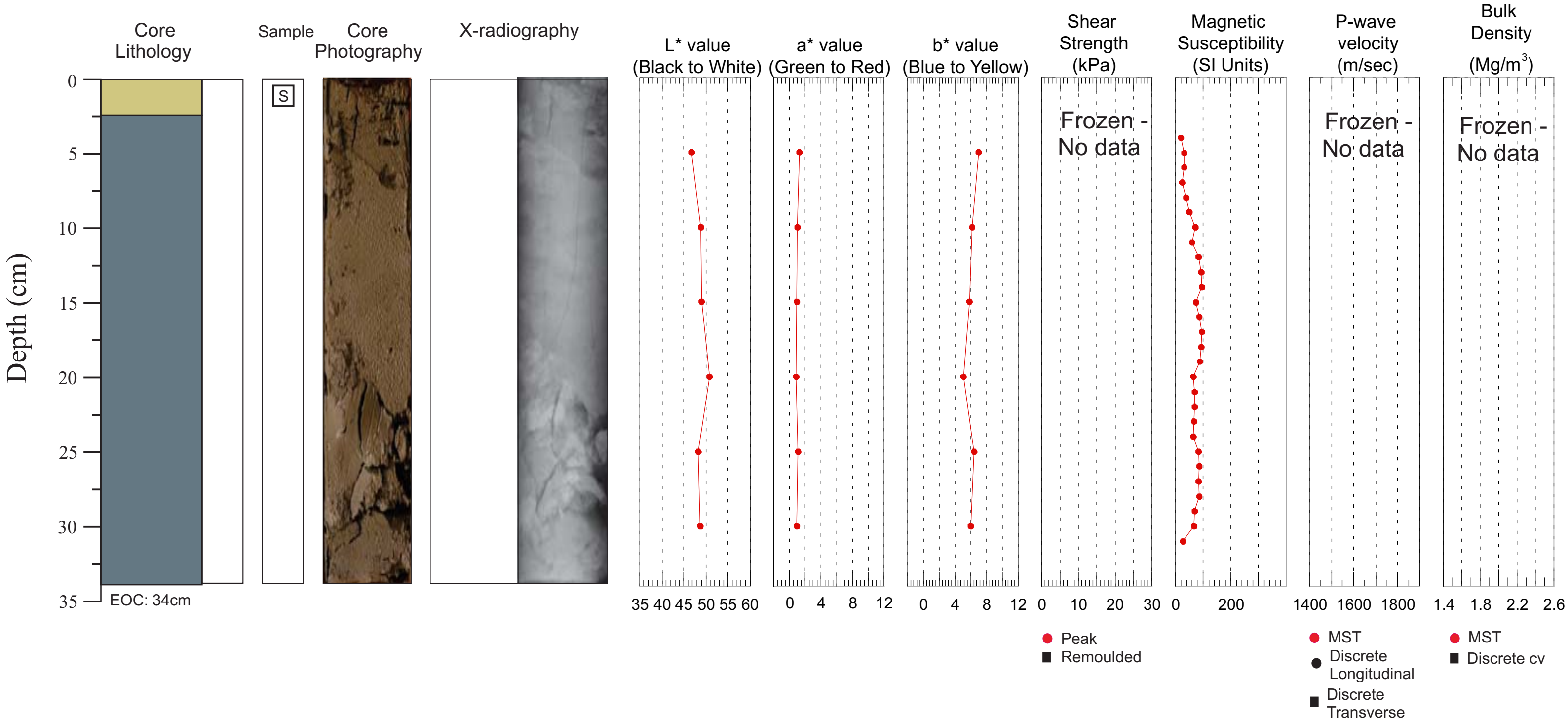

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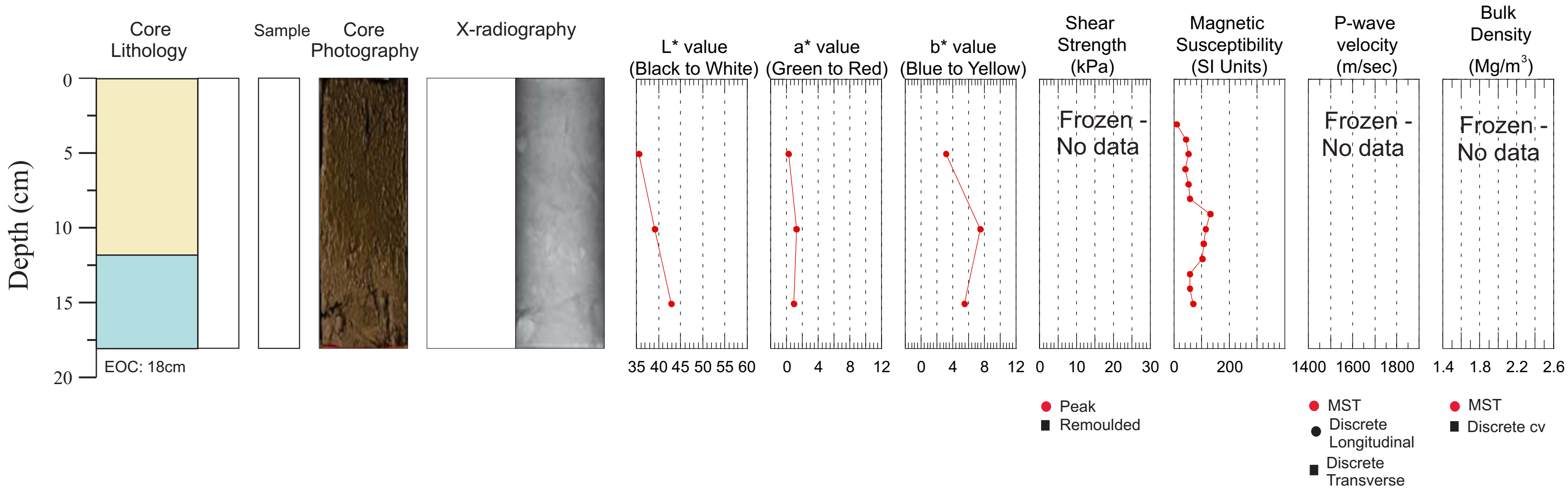

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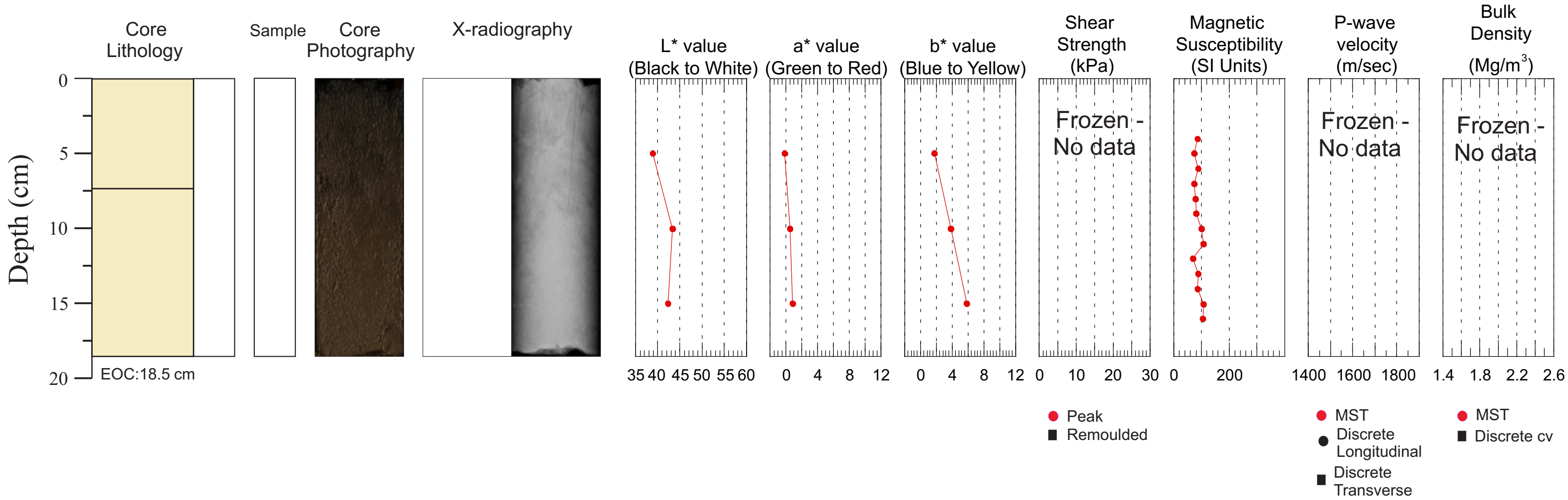
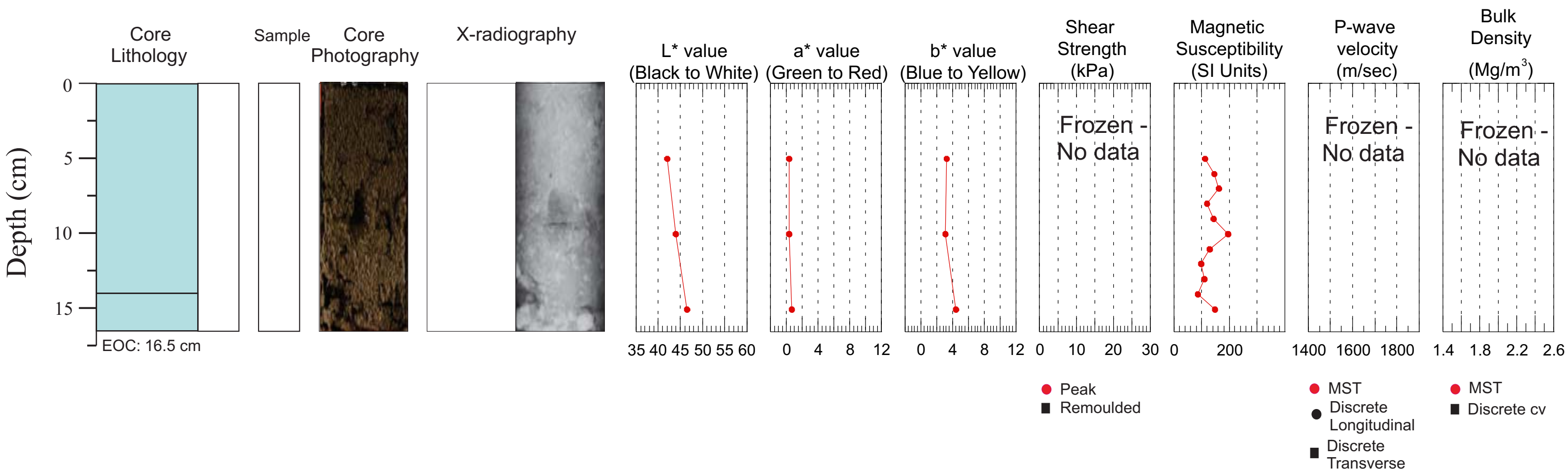


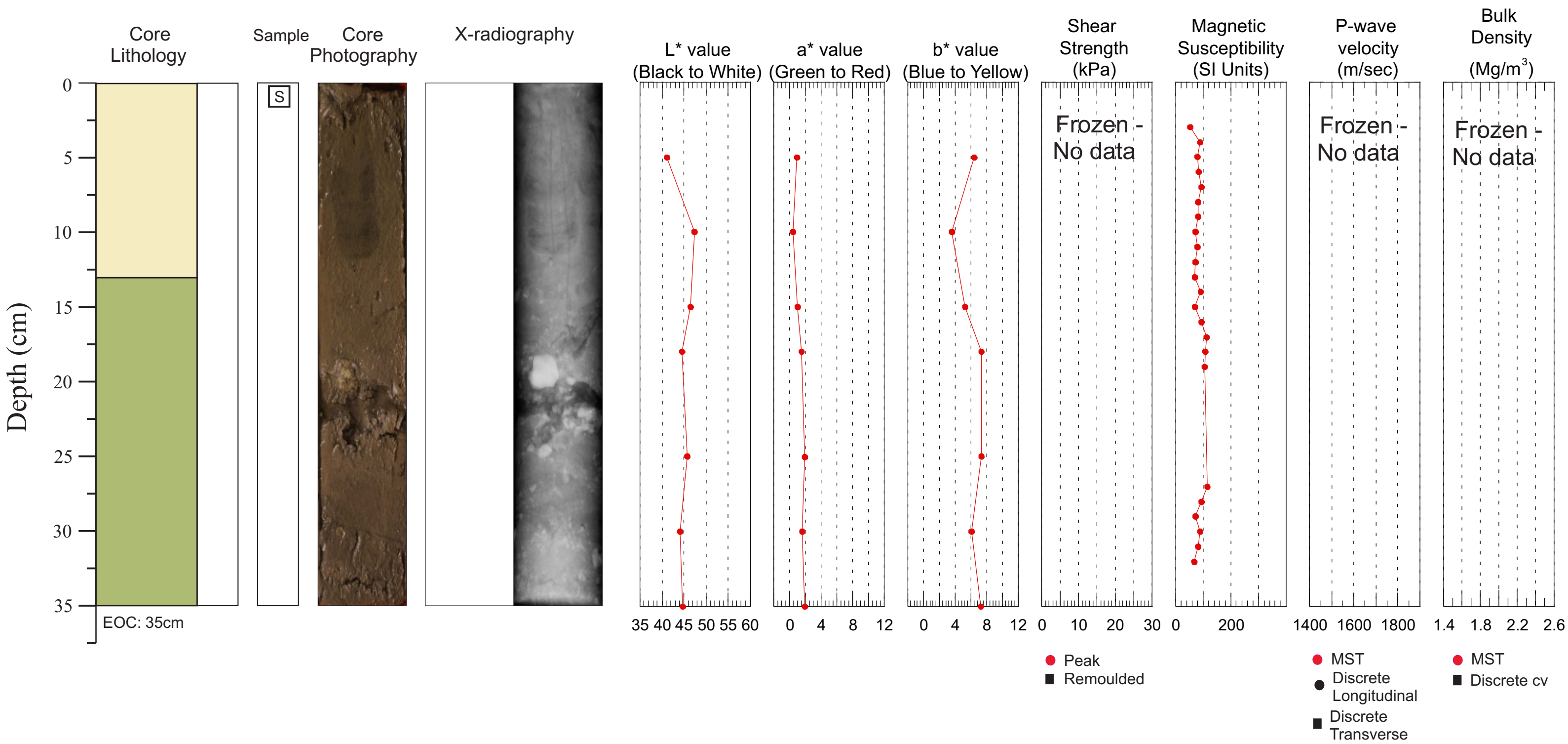
2010061 Phase 2 0033A Push Core



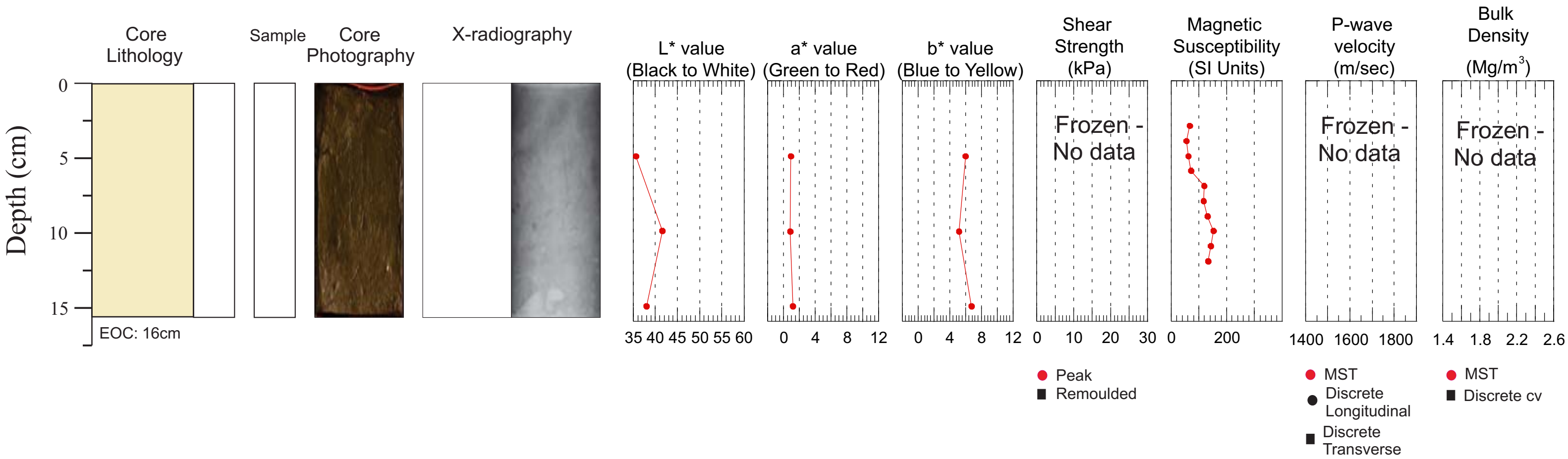
May include a pebble lag:
- Med-crs sand, may contain granules, may be slightly muddy
- Med-crs very muddy sand, may contain granules
- Fine sand-silt, may be slightly muddy
- Muddy silt or fine sand

- Olive grey-olive brown mud contains abundant forams and/or spicules, may contain IRD
- Olive grey-olive brown silty or sandy mud, may contain IRD
- **S** Sponge samples
- **C** C-14 samples
- Olive grey mud, may contain minor fine sand and/or sparse granules
- Light grey mud, abundant granules (Heinrich layer)
- Red-brown mud
- Dark grey-grey/brown mud with sandy patches,may contain IRD
- Dark grey-grey/brown mud, may be sandy or interbedded, may have few to no granules
- Dark grey-grey/brown mud, sparse to no granules
- Light and/or yellowish brown/grey mud, may be sandy, may have few granules

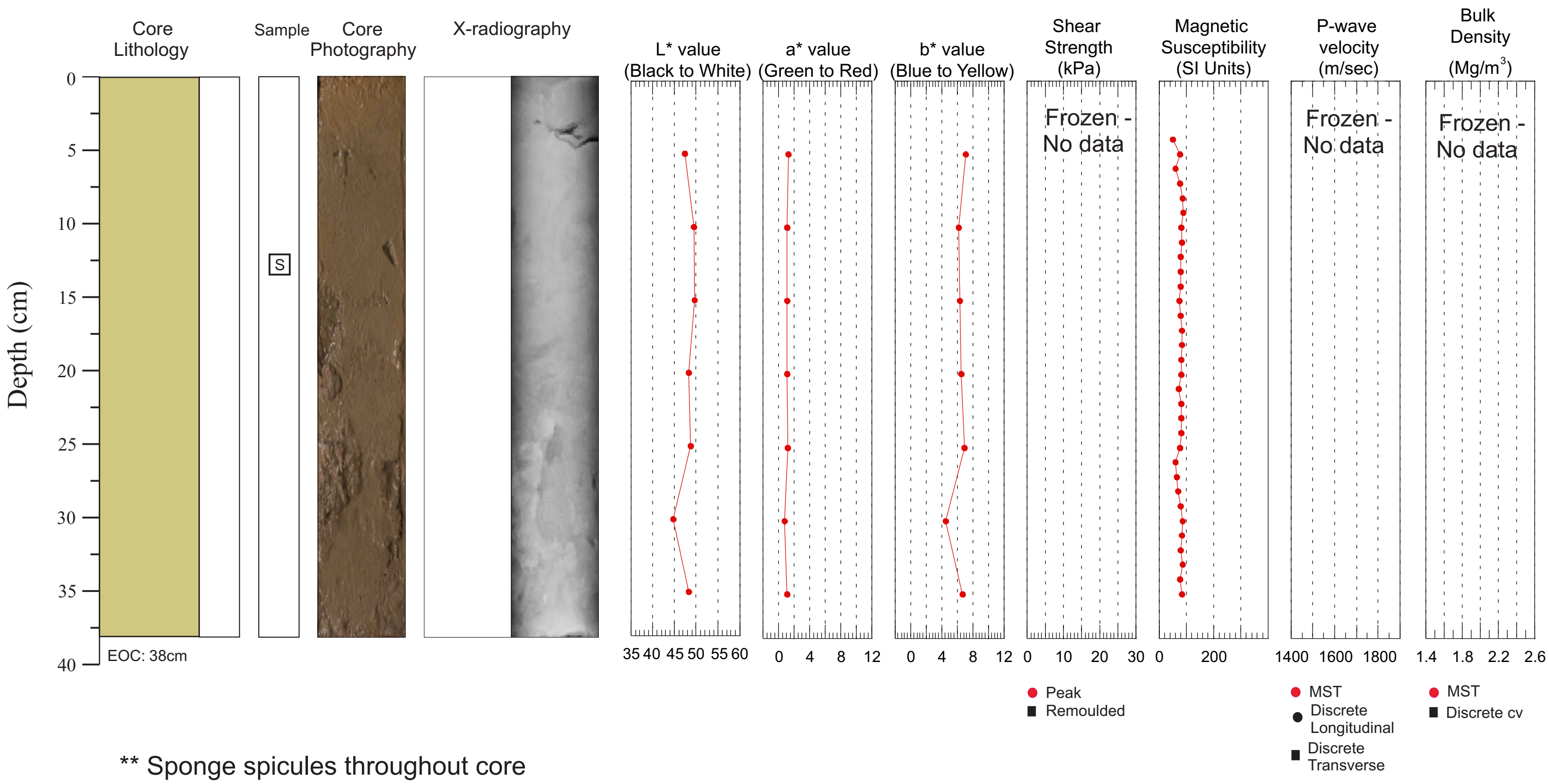
2010061 Phase 2 0035A Push Core



2010061 Phase 2 0036A Push Core

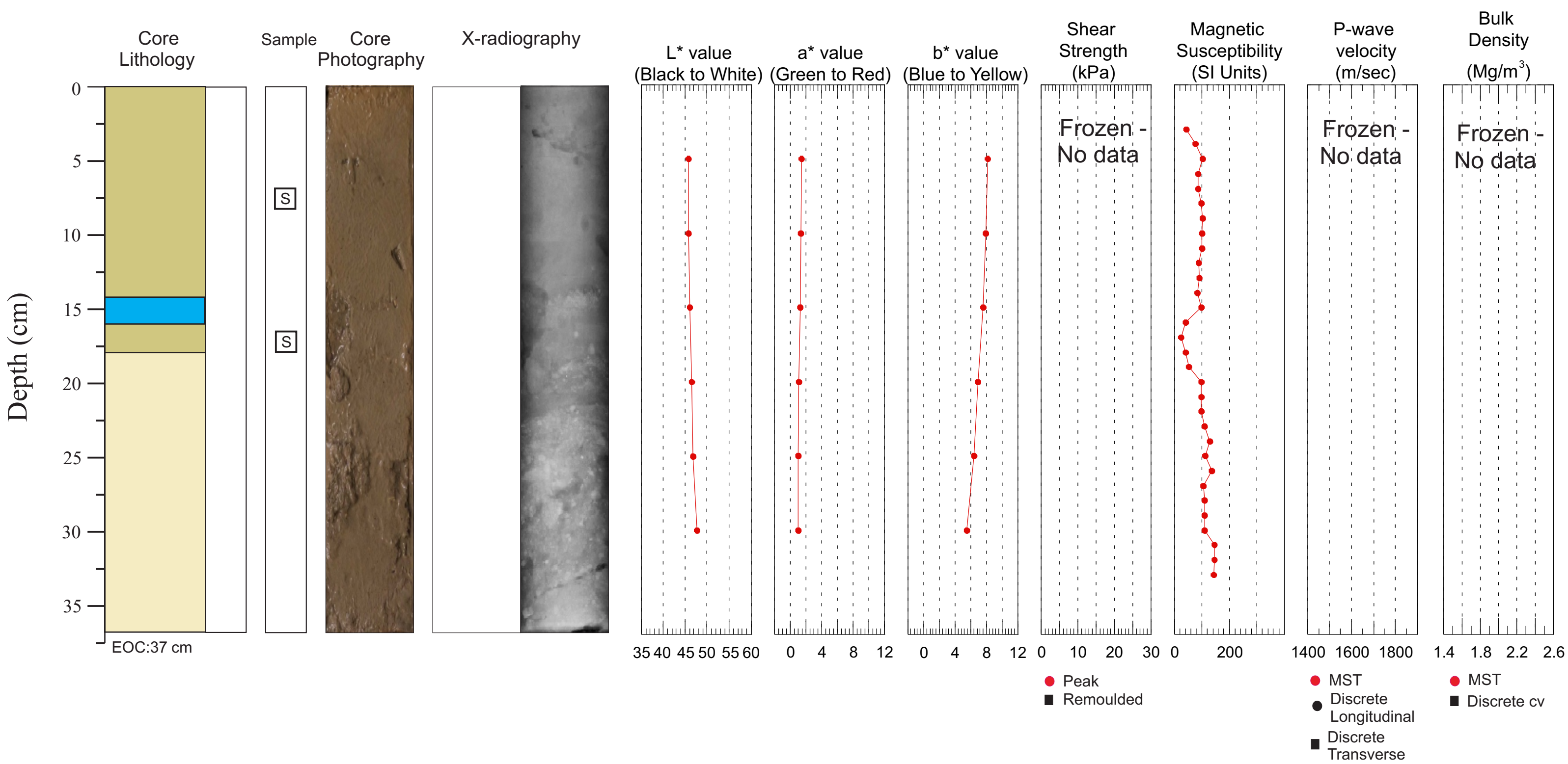


2010061 Phase 2 0037A Push Core

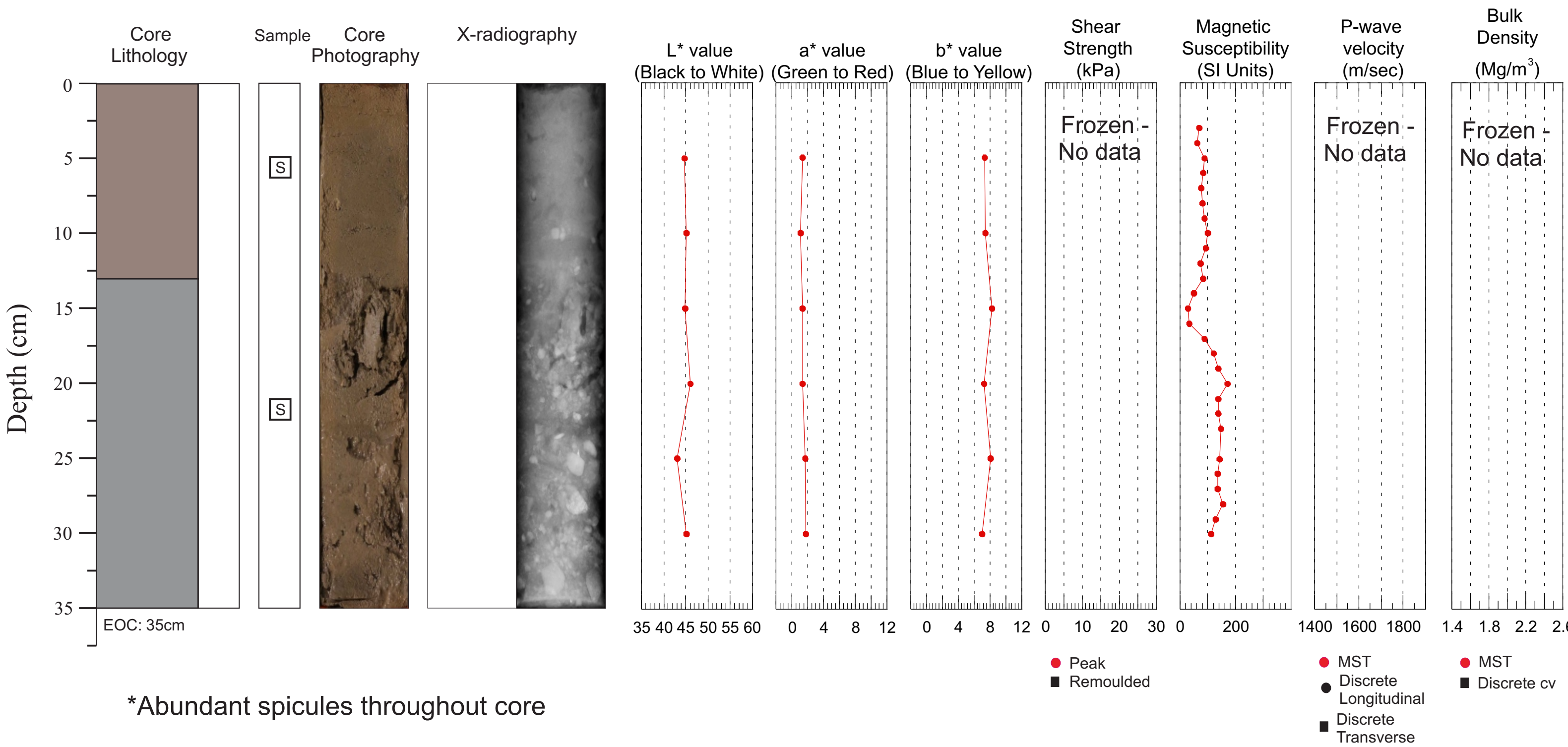


** Sponge spicules throughout core

2010061 Phase 2 0039A Push Core

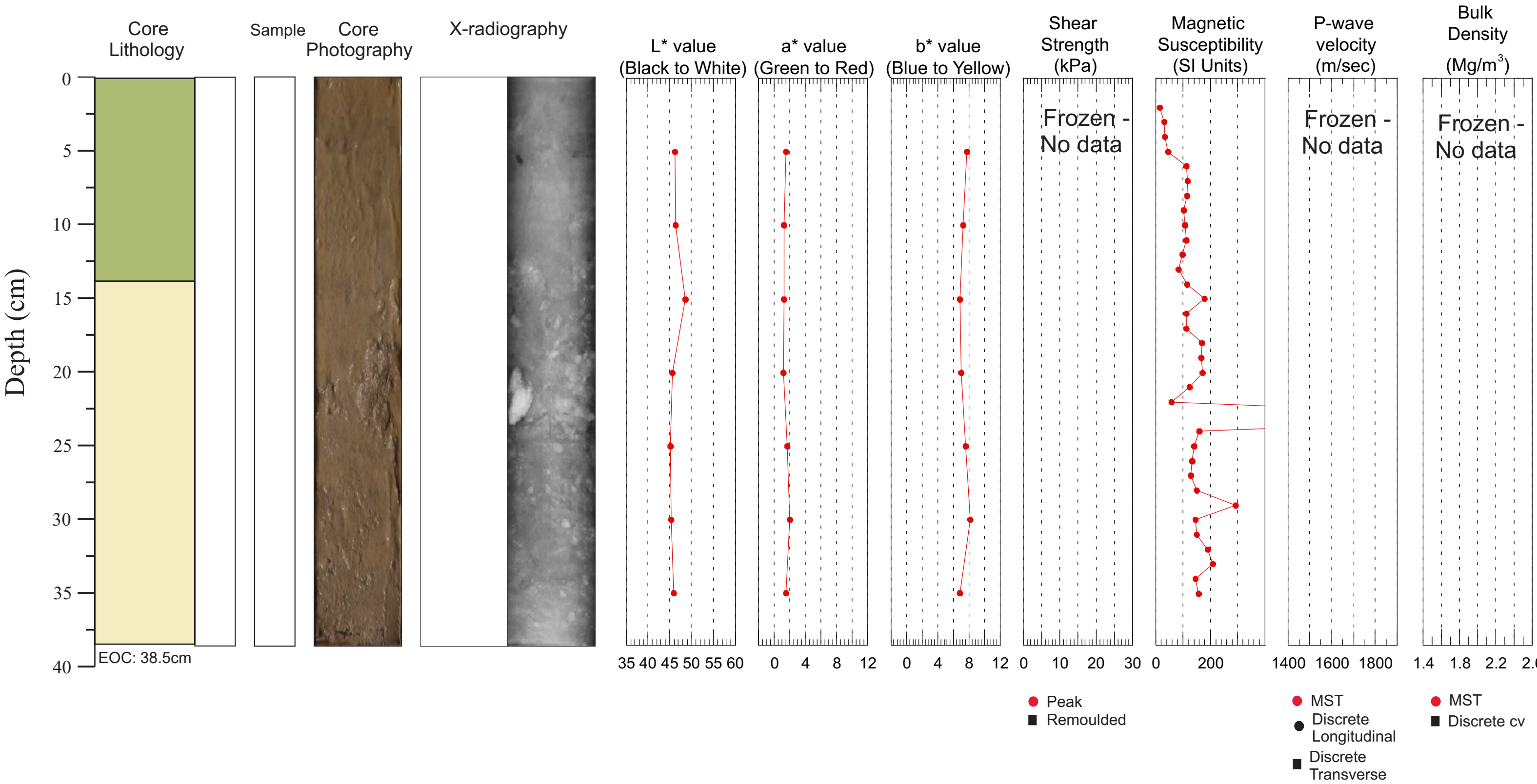


2010061 Phase 2 0040A Push Core



*Abundant spicules throughout core

2010061 Phase 2 0041A Push Core



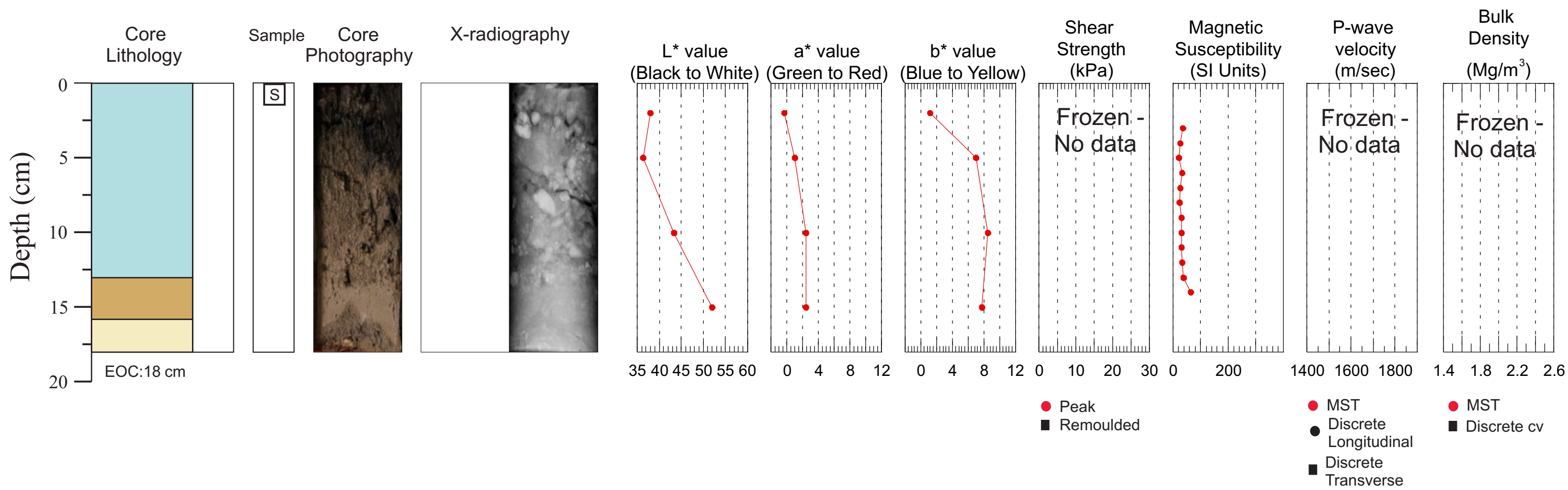
May include a pebble lag:

- Med-crs sand, may contain granules, may be slightly muddy
- Med-crs very muddy sand, may contain granules
- Fine sand-silt, may be slightly muddy
- Muddy silt or fine sand

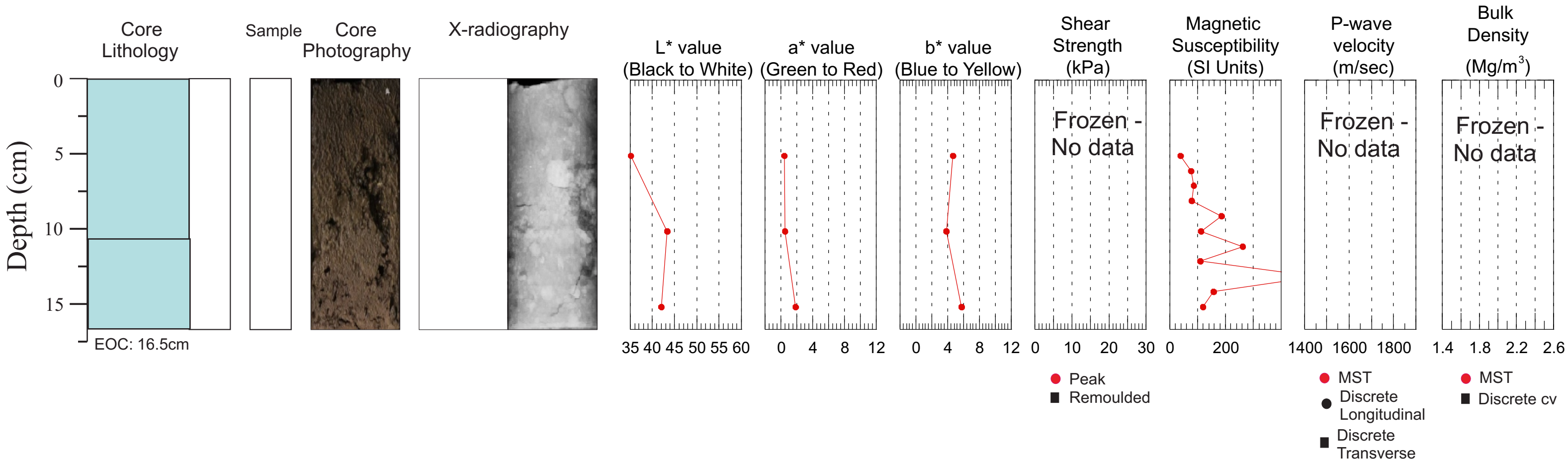
Other legend entries:

- Olive grey-olive brown mud contains abundant forams and/or spicules, may contain IRD
- Olive grey-olive brown silty or sandy mud, may contain IRD
- **S** Sponge samples
- **C** C-14 samples
- Olive grey mud, may contain minor fine sand and/or sparse granules
- Light grey mud, abundant granules (Heinrich layer)
- Red-brown mud
- Dark grey-grey/brown mud with sandy patches,may contain IRD
- Dark grey-grey/brown mud, may be sandy or interbedded, may have few to no granules
- Dark grey-grey/brown mud, sparse to no granules
- Light and/or yellowish brown/grey mud, may be sandy, may have few granules

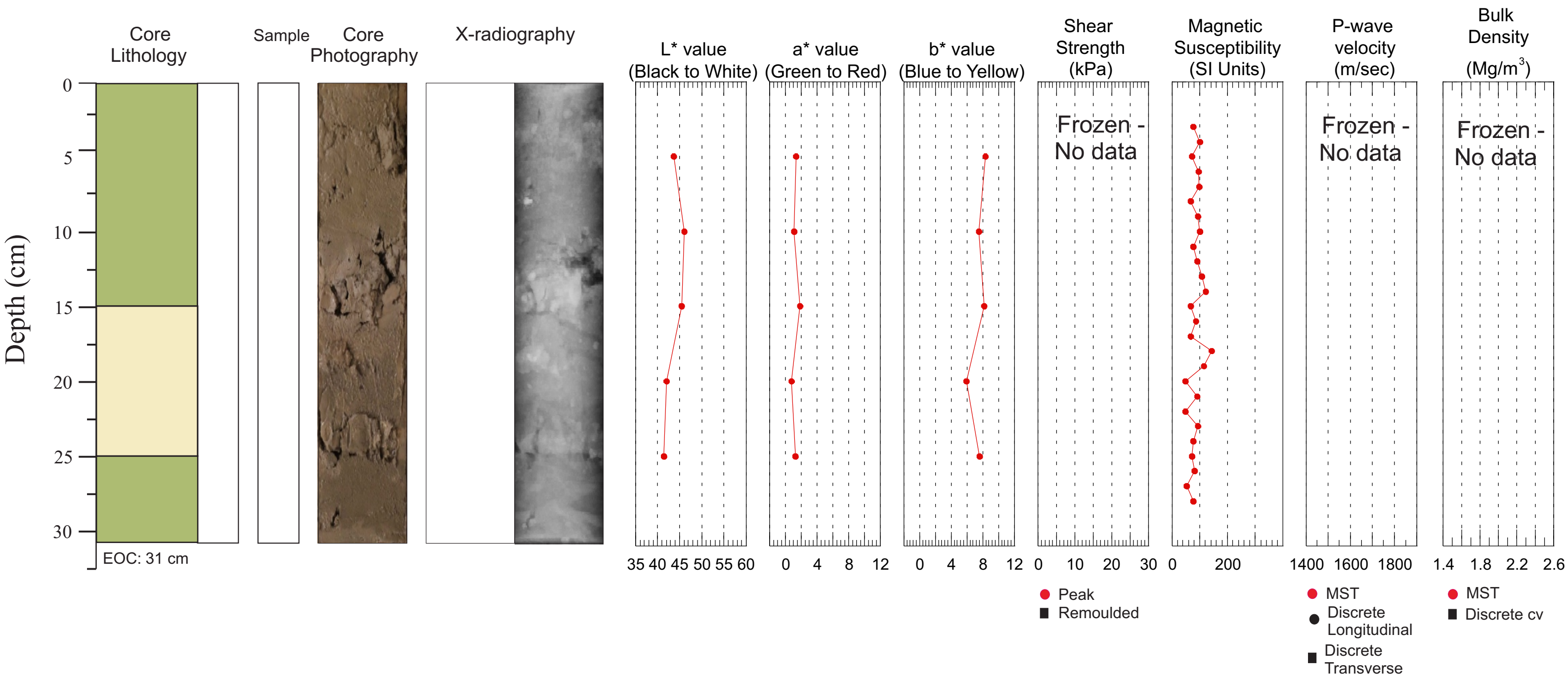
2010061 Phase 2 0043A Push Core



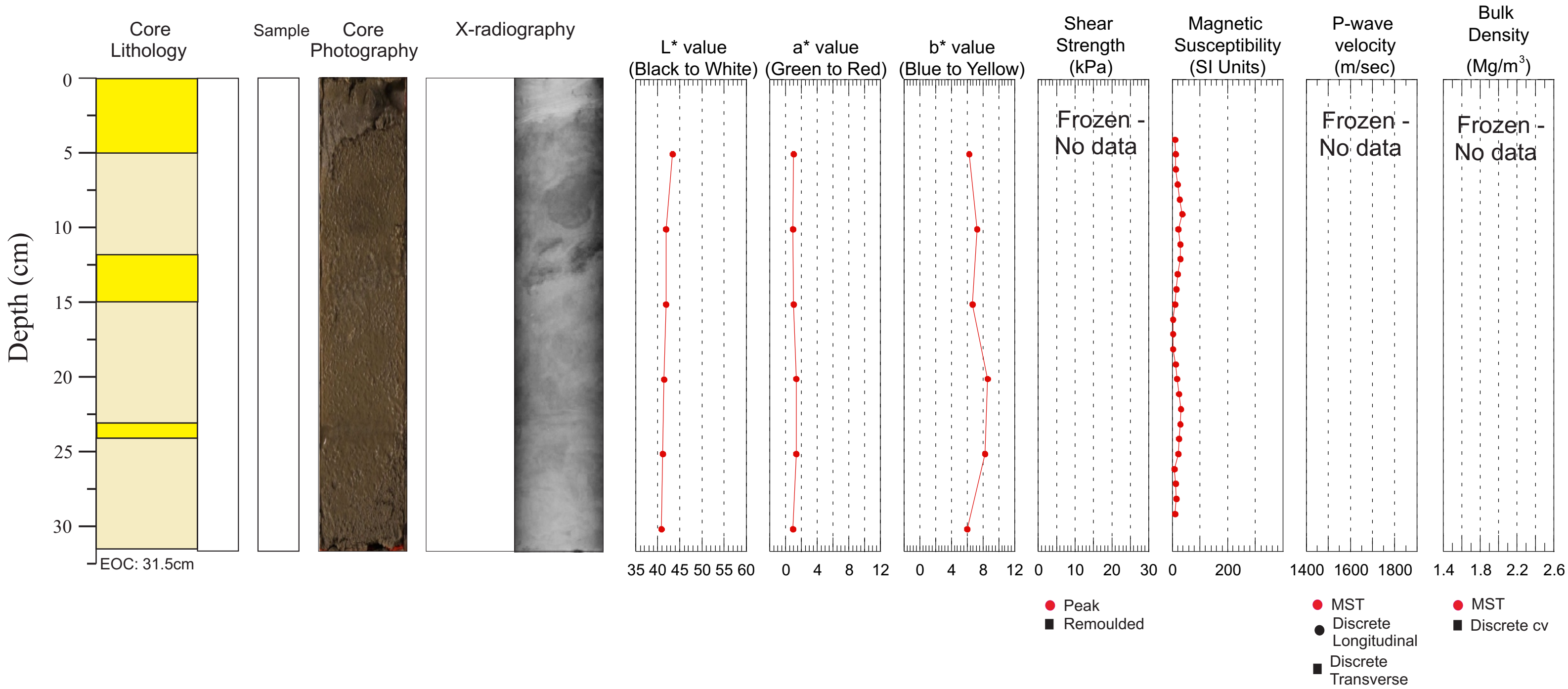
2010061 Phase 2 0045A Push Core



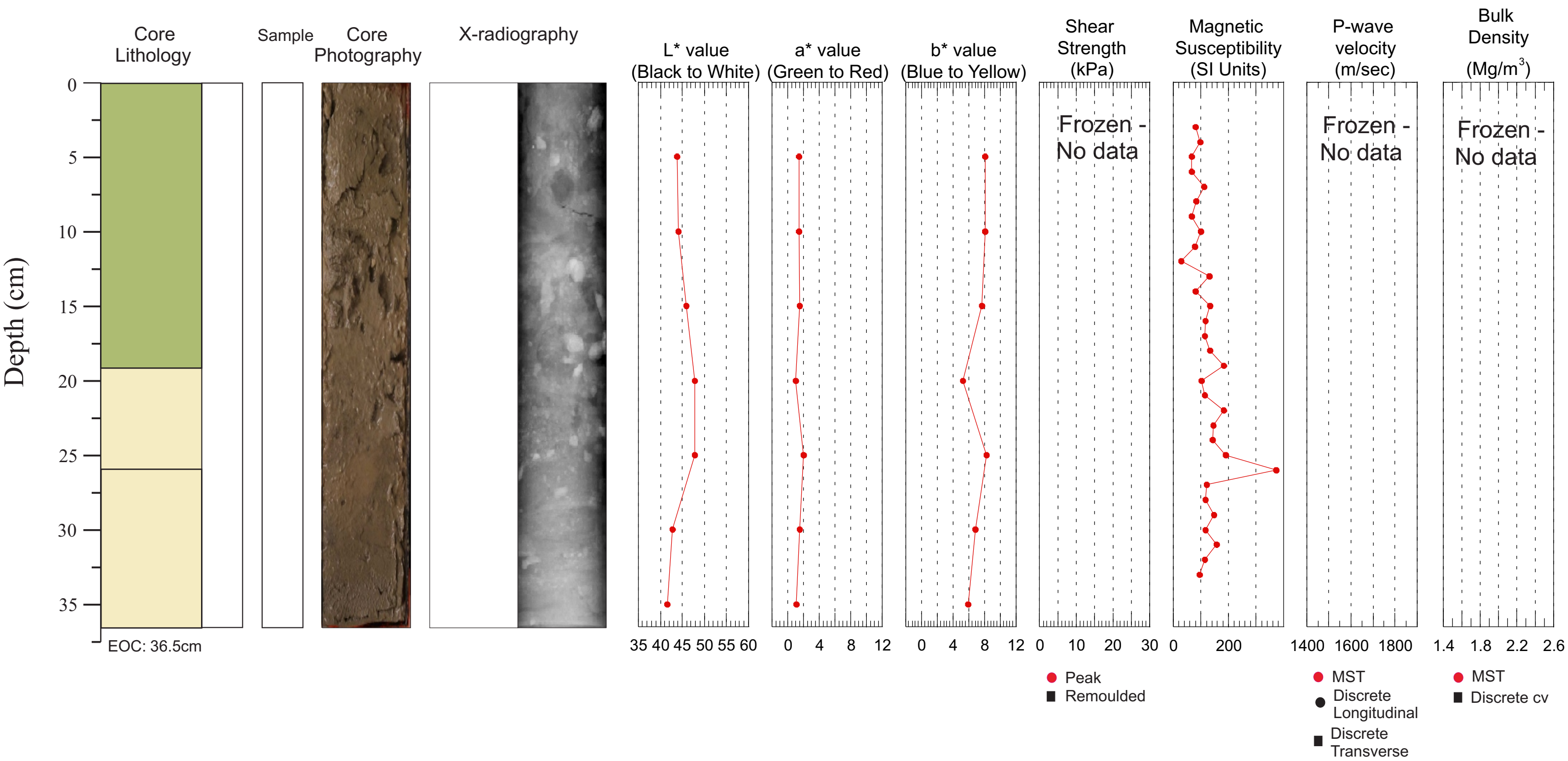
2010061 Phase 2 0046A Push Core



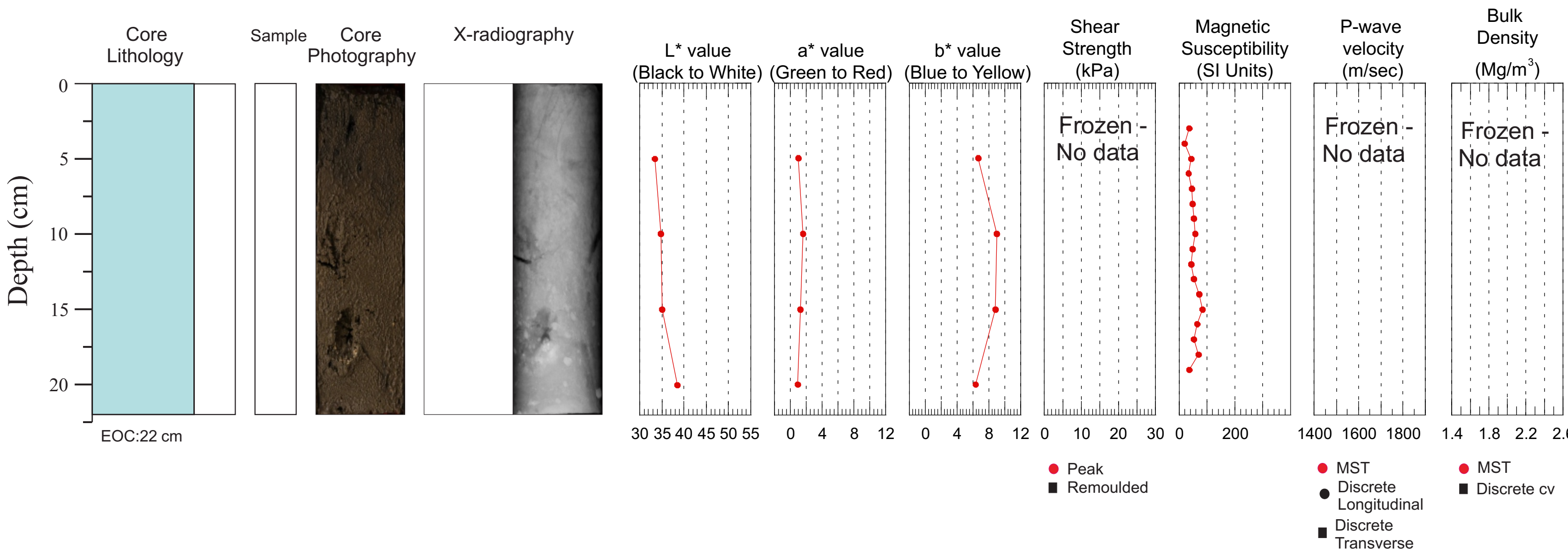
2010061 Phase 2 0047A Push Core



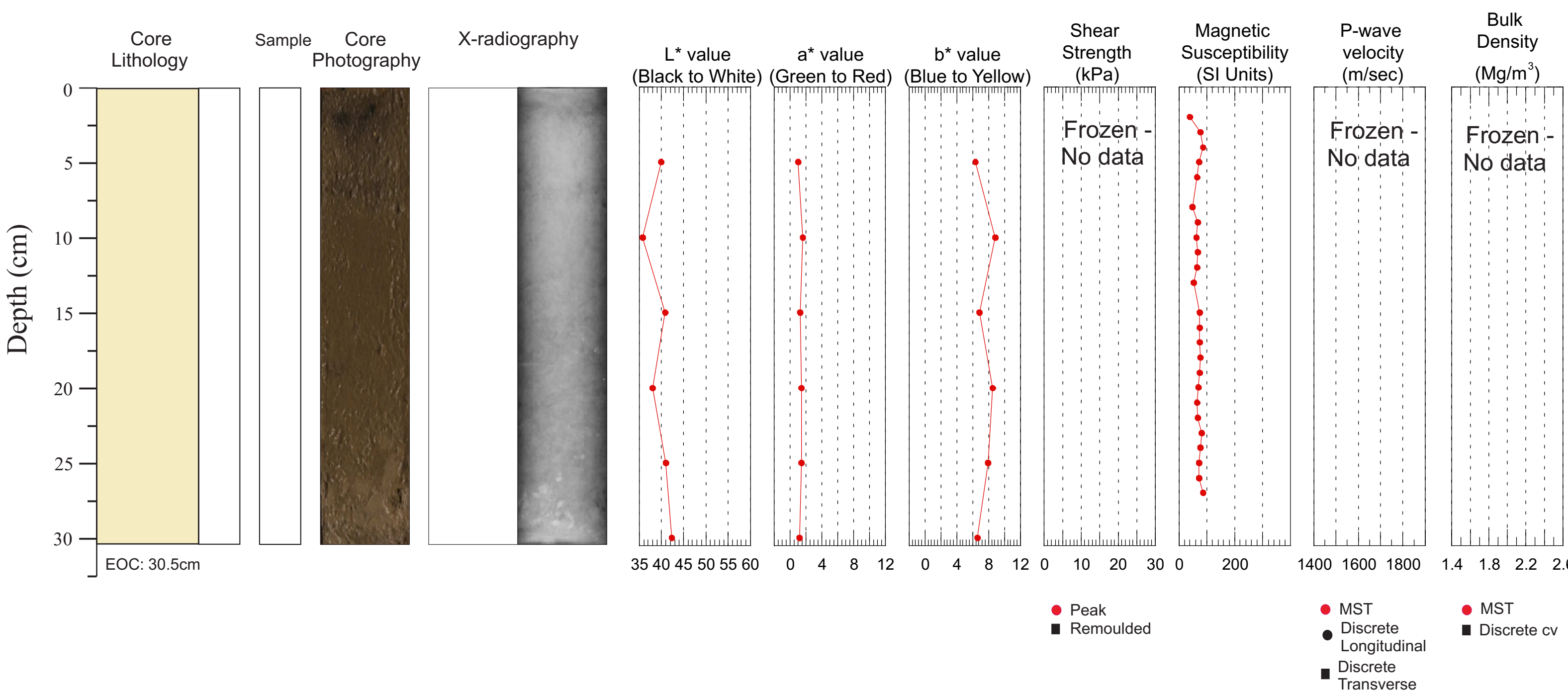
2010061 Phase 2 0051A Push Core



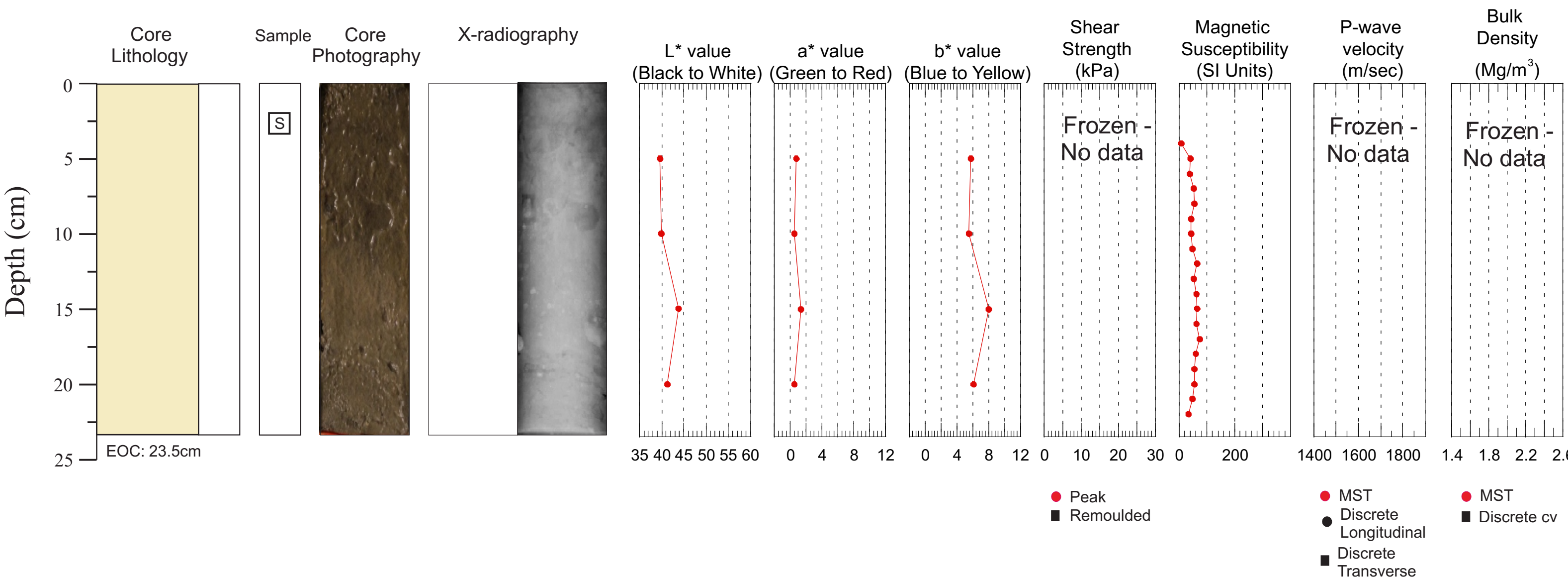
2010061 Phase 2 0053A Push Core



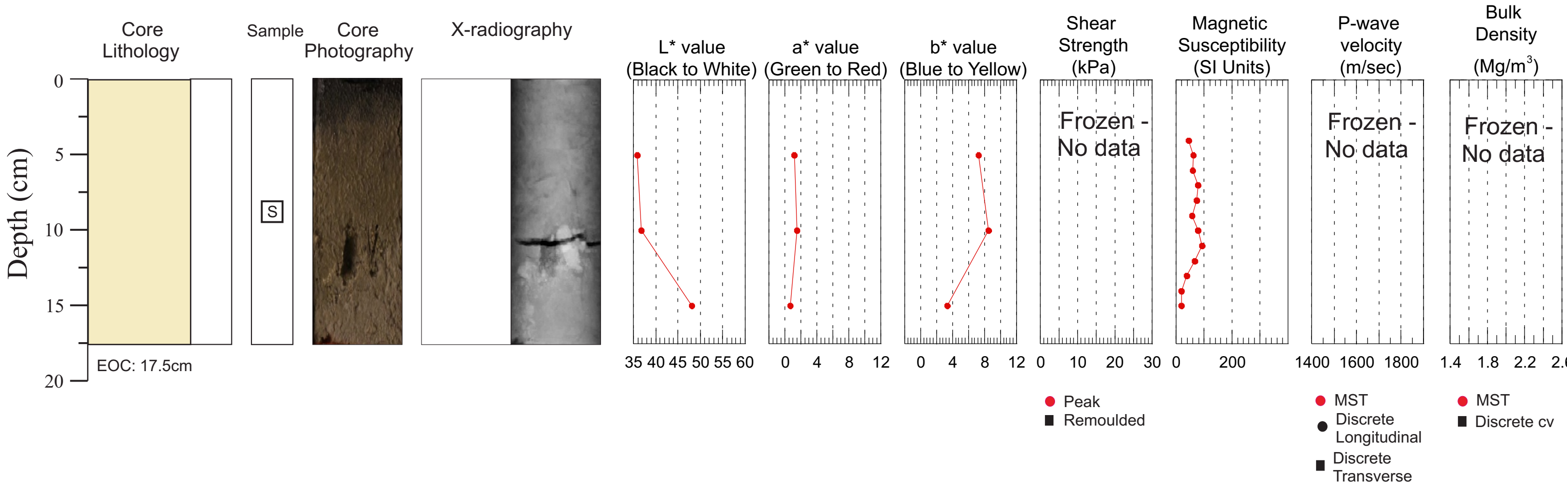
2010061 Phase 2 0054A Push Core



2010061 Phase 2 0055A Push Core

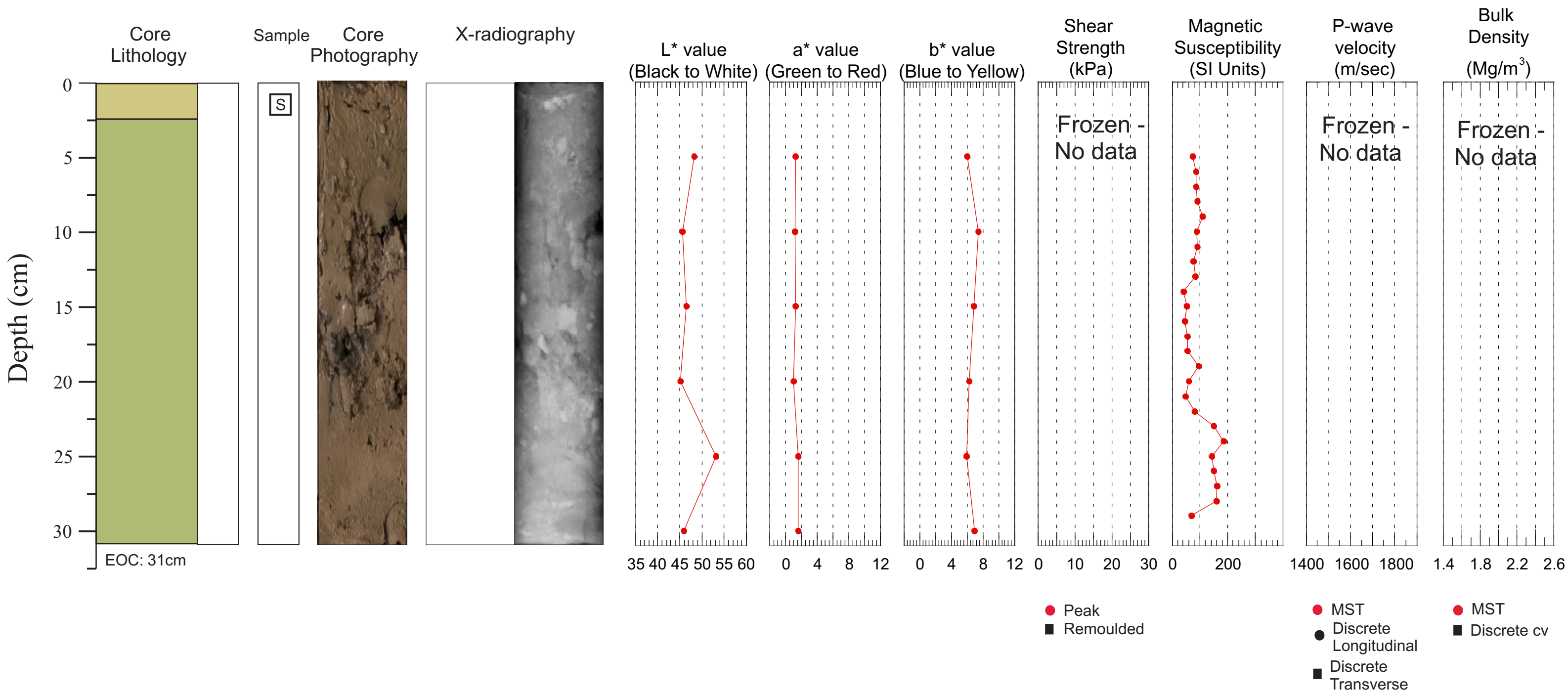


2010061 Phase 2 0057A Push Core

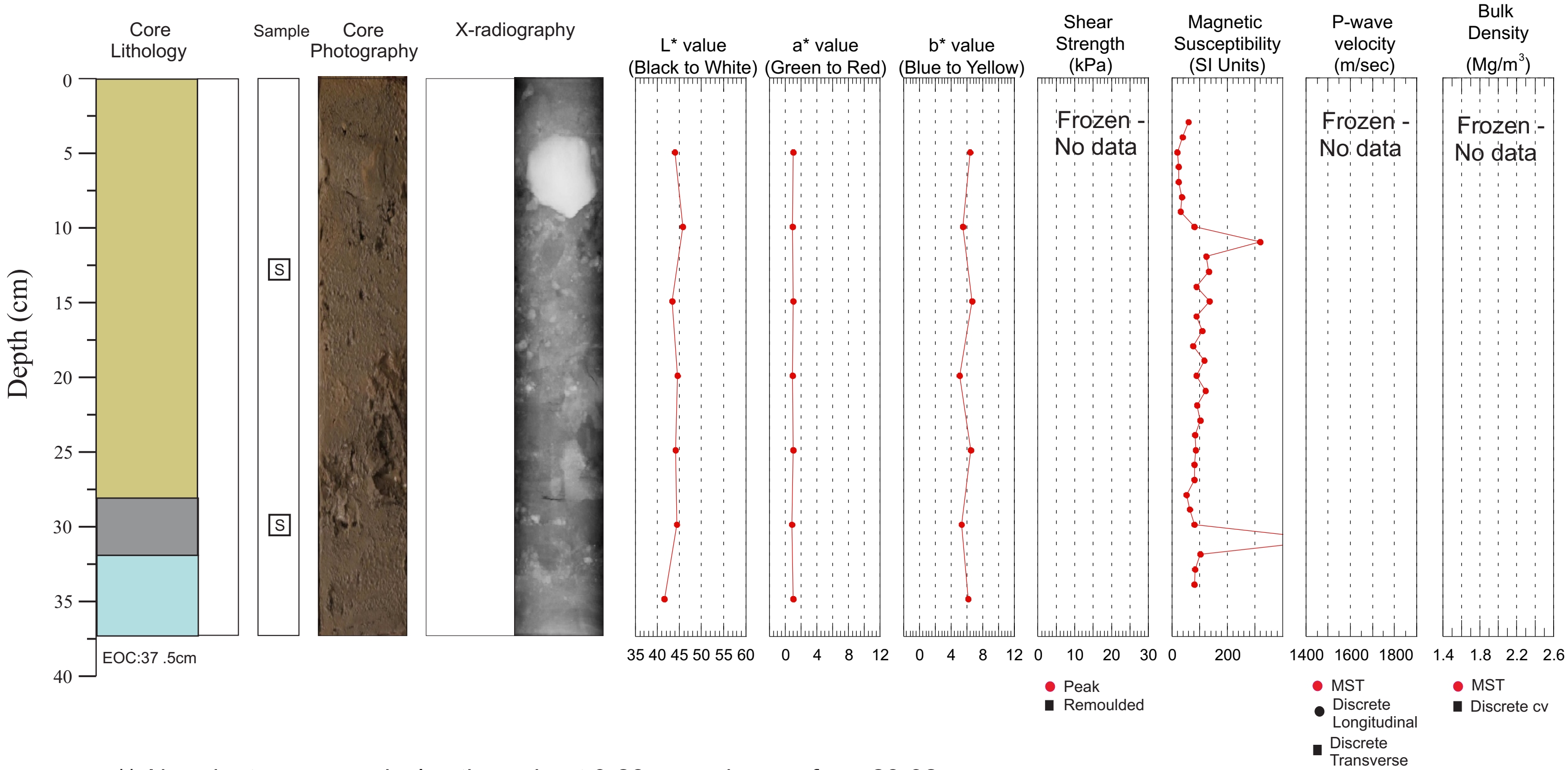


** Sponge spicules throughout core

2010061 Phase 2 0058A Push Core

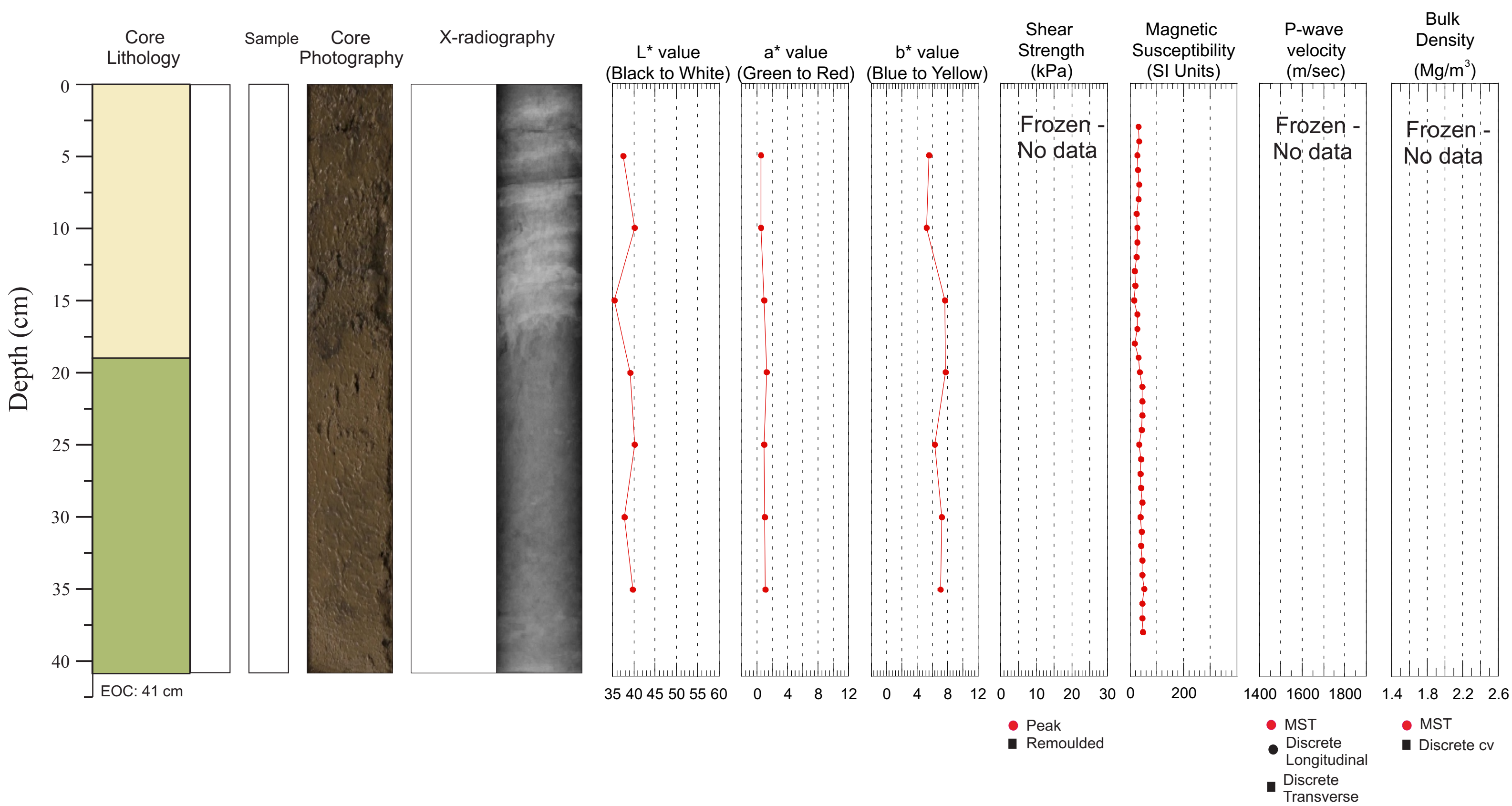


2010061 Phase 2 0059A Push Core

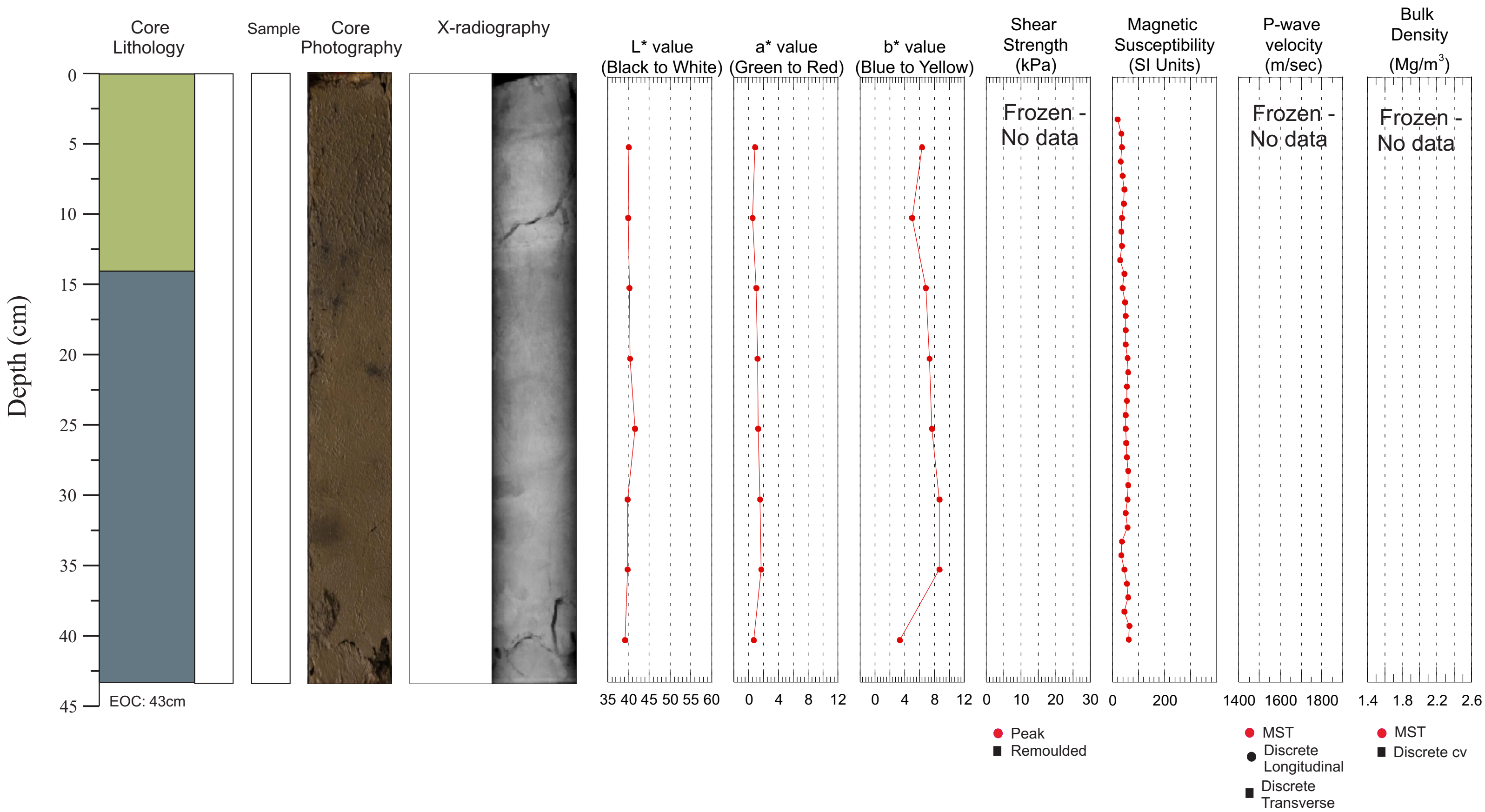


** Abundant sponge spicules throughout 0-28cm and some from 28-32

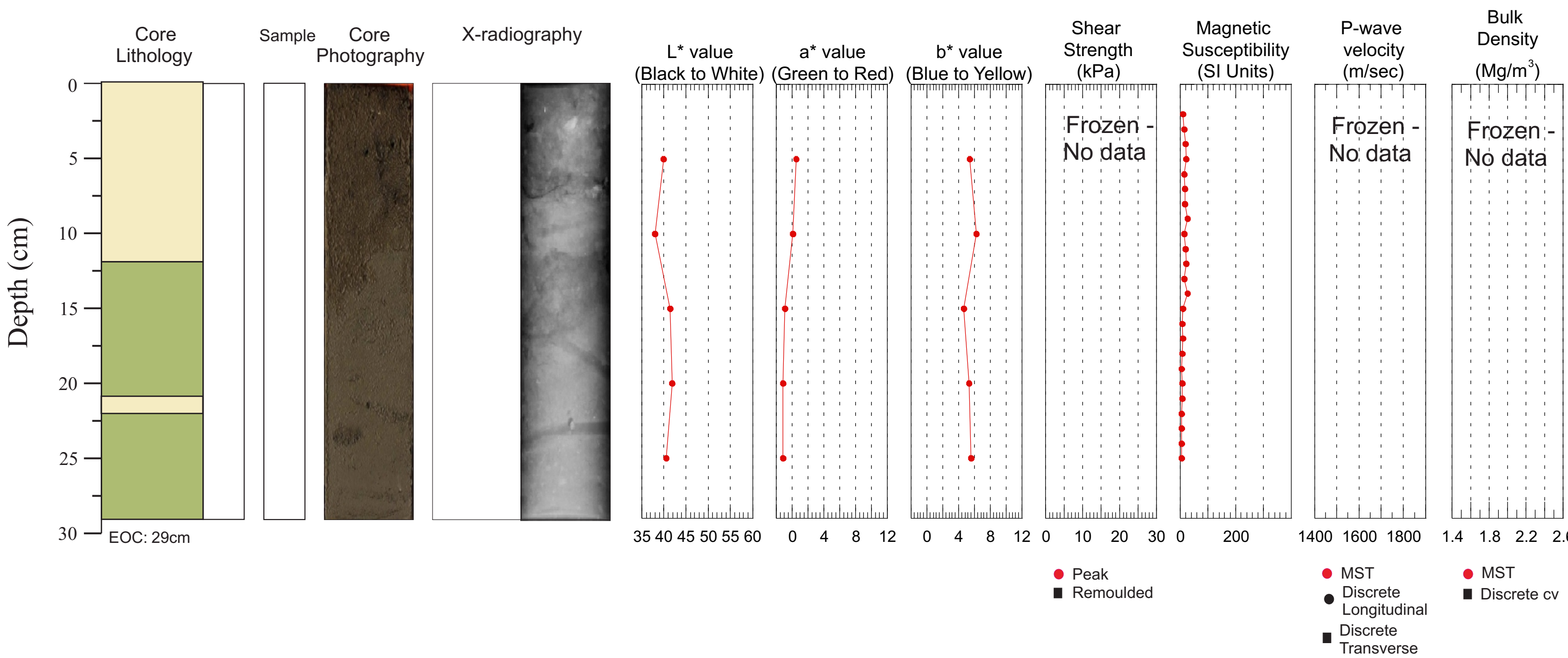
2010061 Phase 2 0061A Push Core



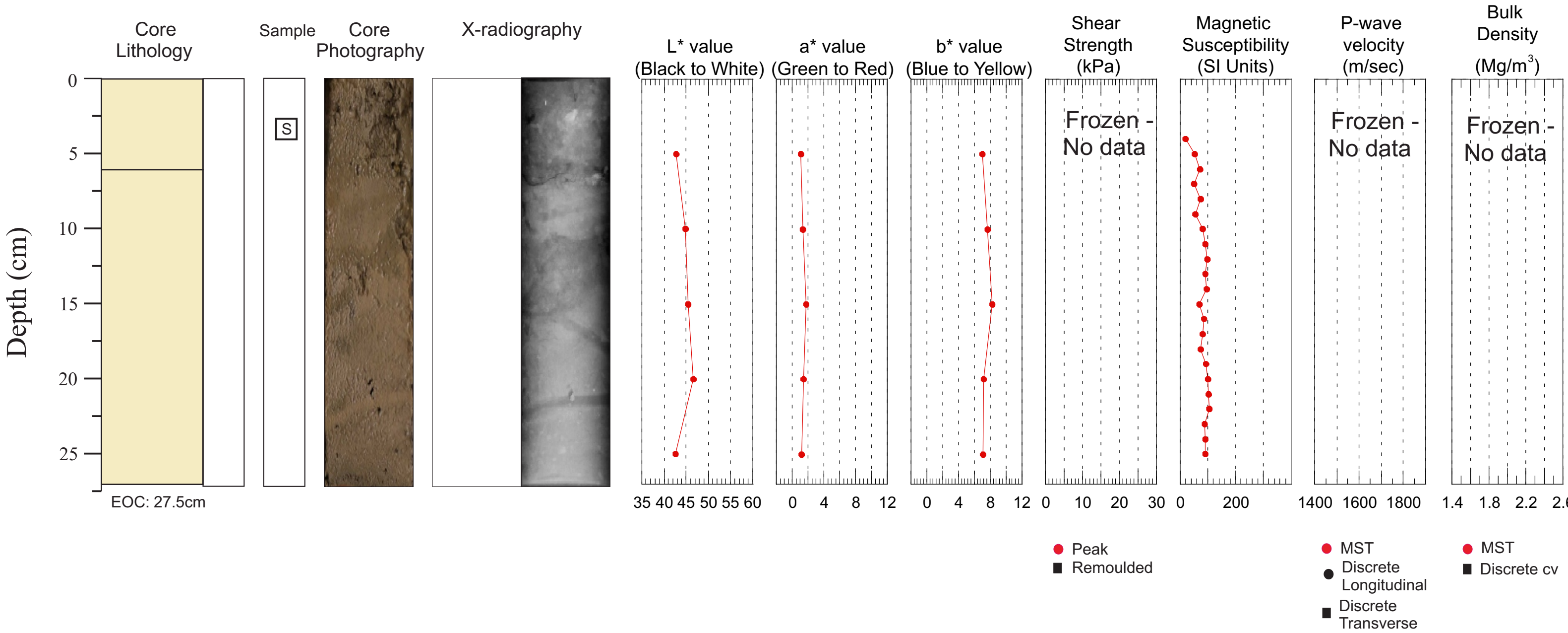
2010061 Phase 2 0062A Push Core



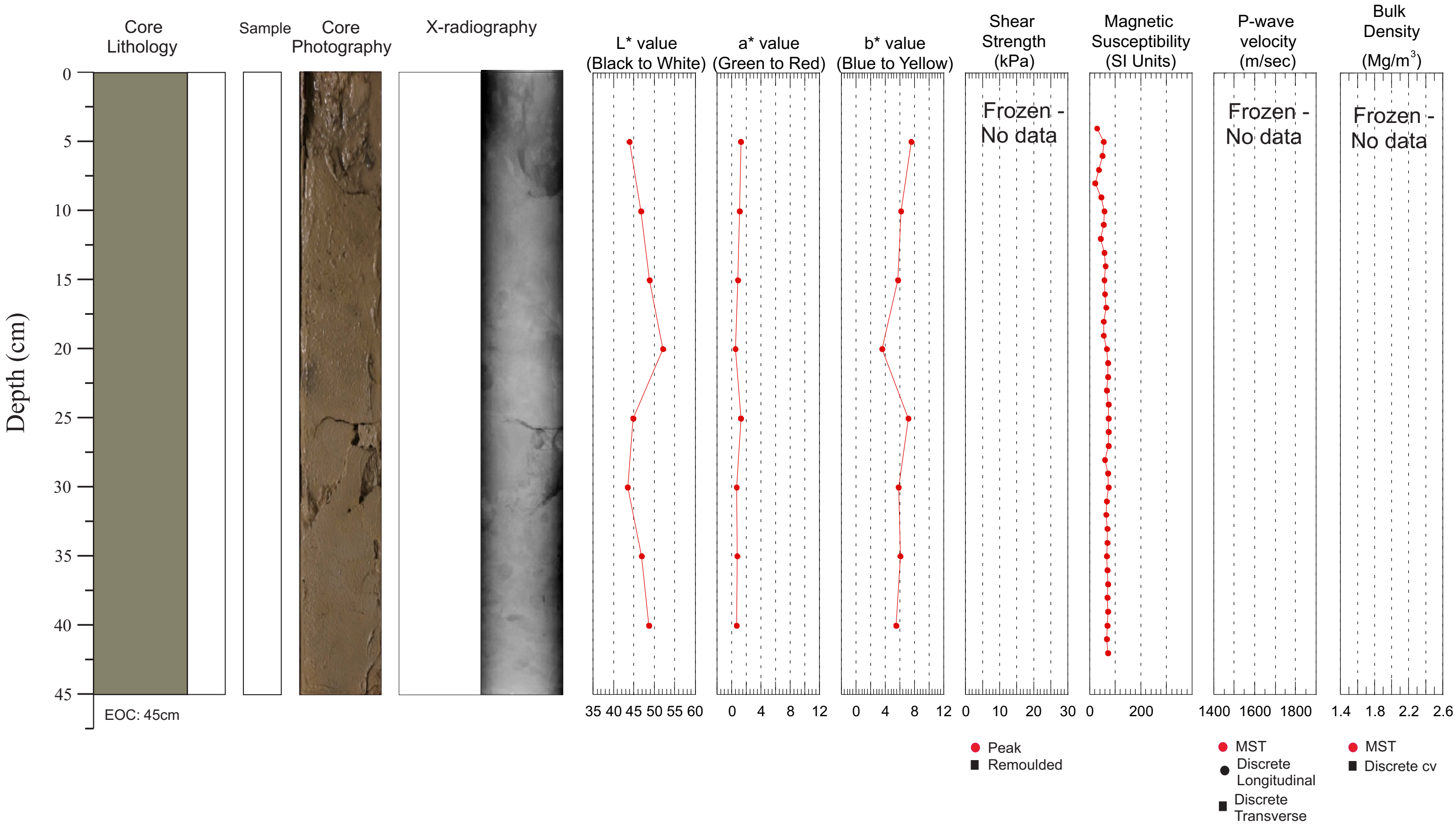
2010061 Phase 2 0063A Push Core



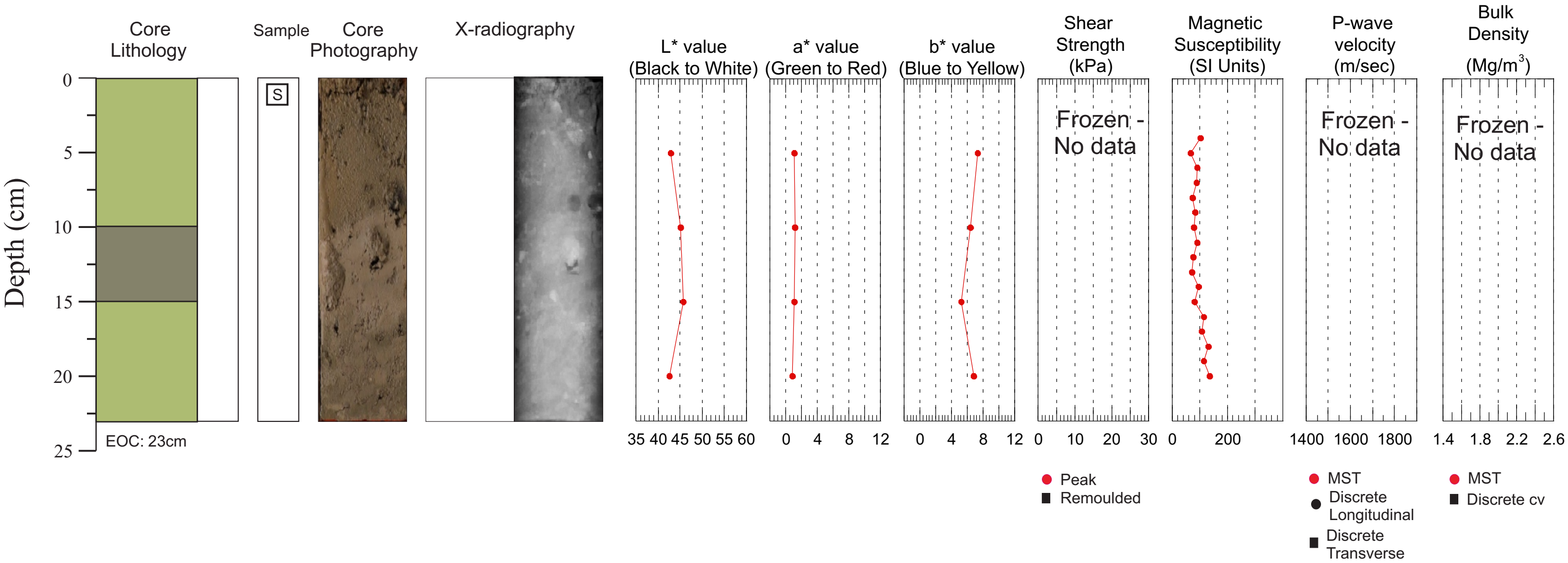
2010061 Phase 2 0065A Push Core



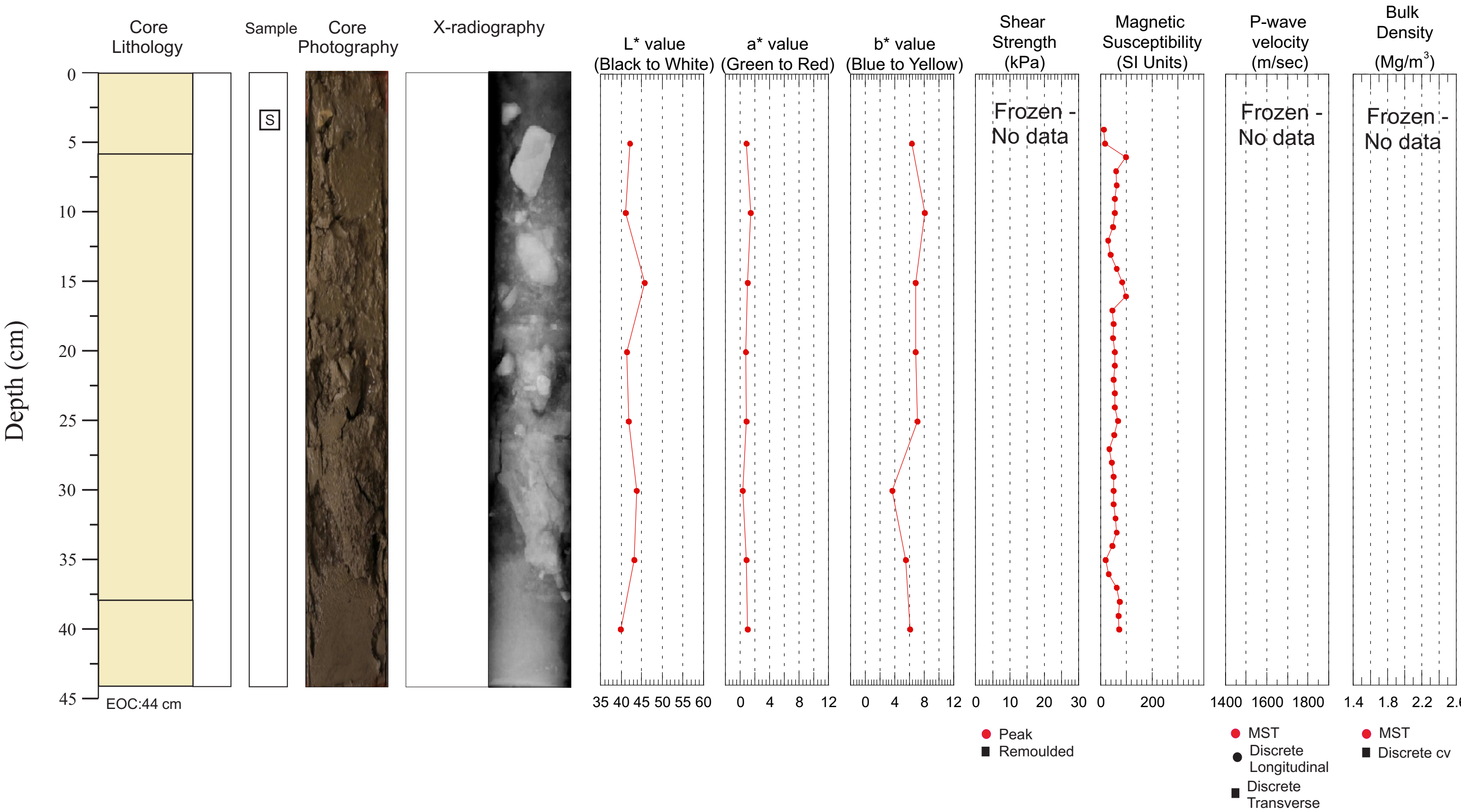
2010061 Phase 2 0066A Push Core



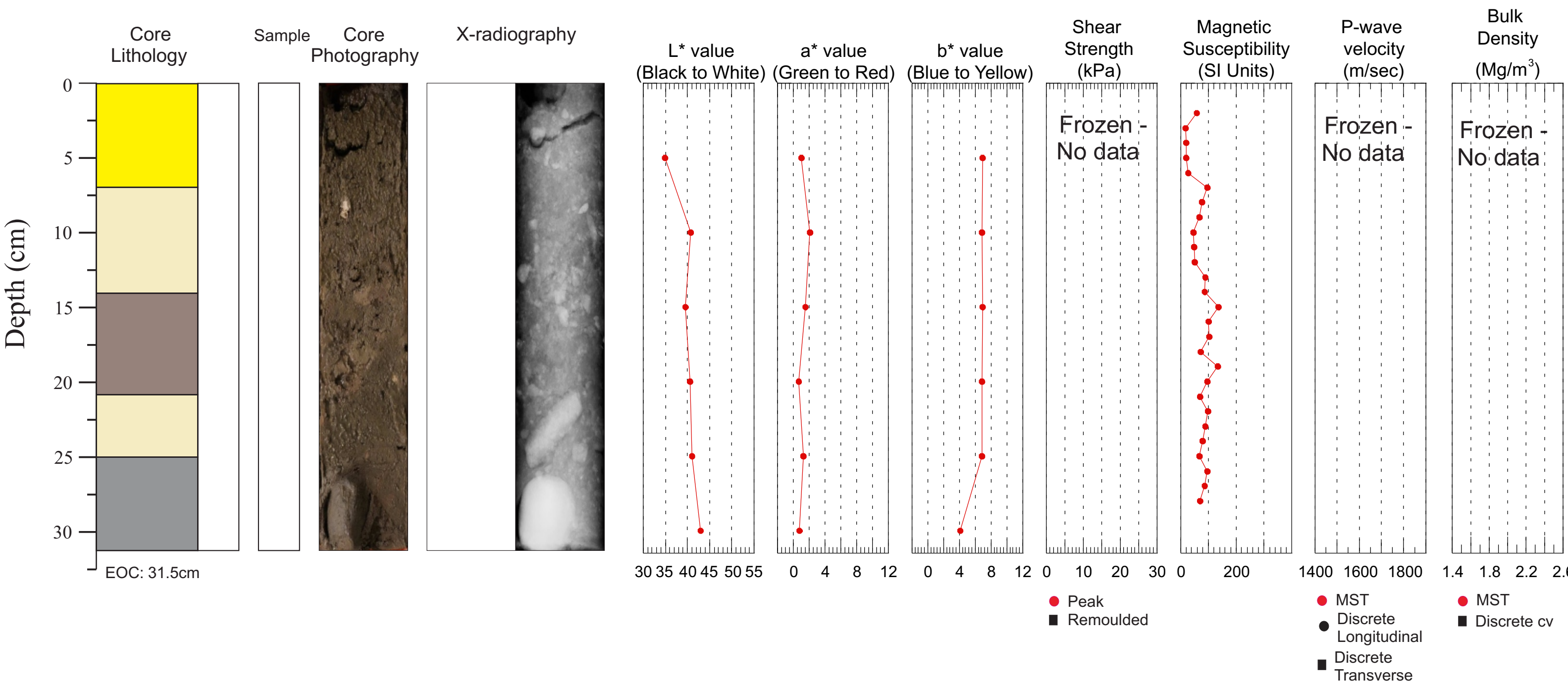
2010061 Phase 2 0068A Push Core



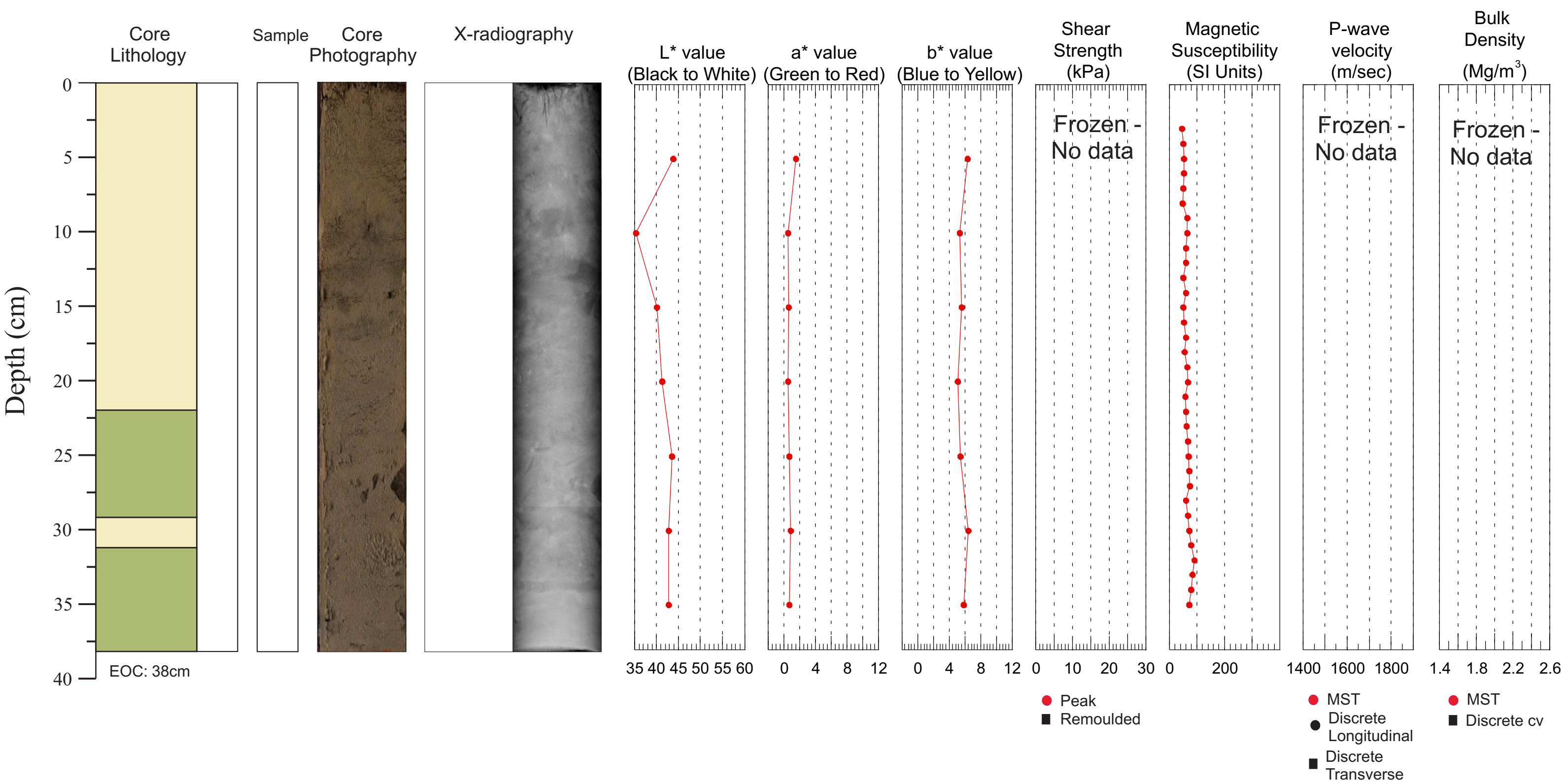
2010061 Phase 2 0069A Push Core



2010061 Phase 2 0070A Push Core



2010061 Phase 2 0072A Push Core



May include a pebble lag:
- Med-crs sand, may contain granules, may be slightly muddy
- Med-crs very muddy sand, may contain granules
- Fine sand-silt, may be slightly muddy
- Muddy silt or fine sand

Olive grey-olive brown mud contains abundant forams and/or spicules, may contain IRD

Olive grey-olive brown silty or sandy mud, may contain IRD

S Sponge samples

C C-14 samples

Olive grey mud, may contain minor fine sand and/or sparse granules

Light grey mud, abundant granules (Heinrich layer)

Red-brown mud

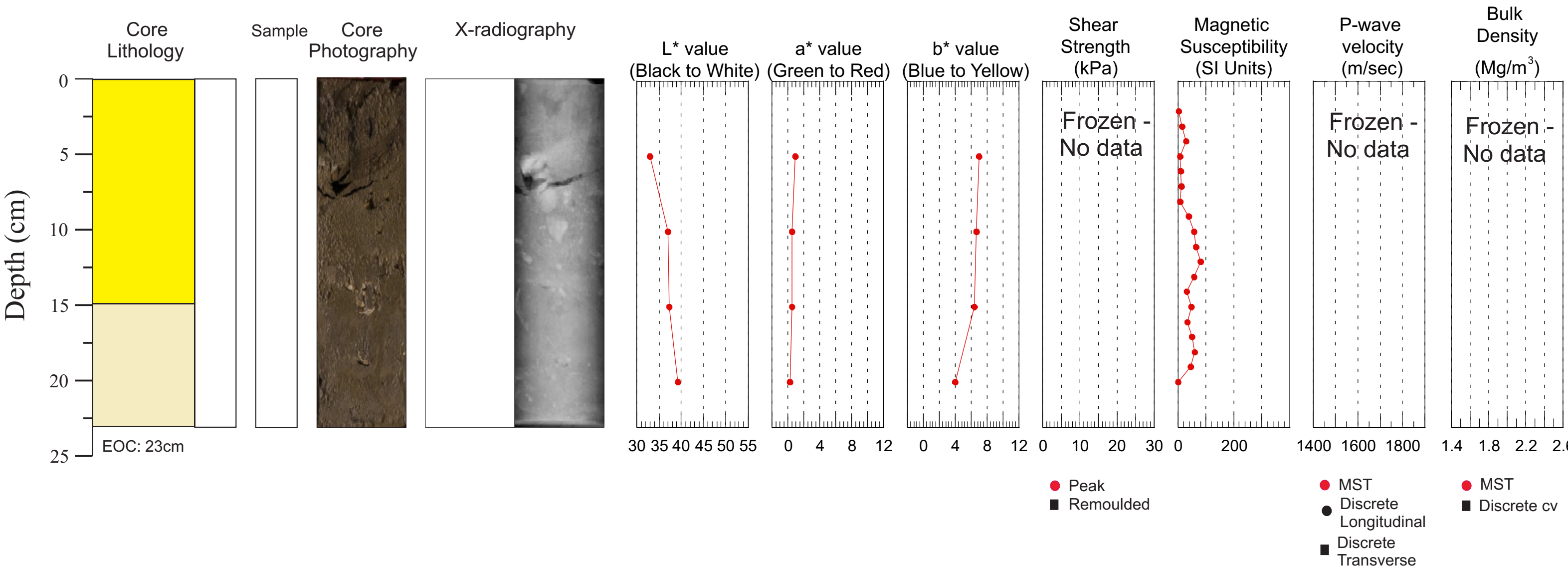
Dark grey-grey/brown mud with sandy patches,may contain IRD

Dark grey-grey/brown mud, may be sandy or interbedded, may have few to no granules

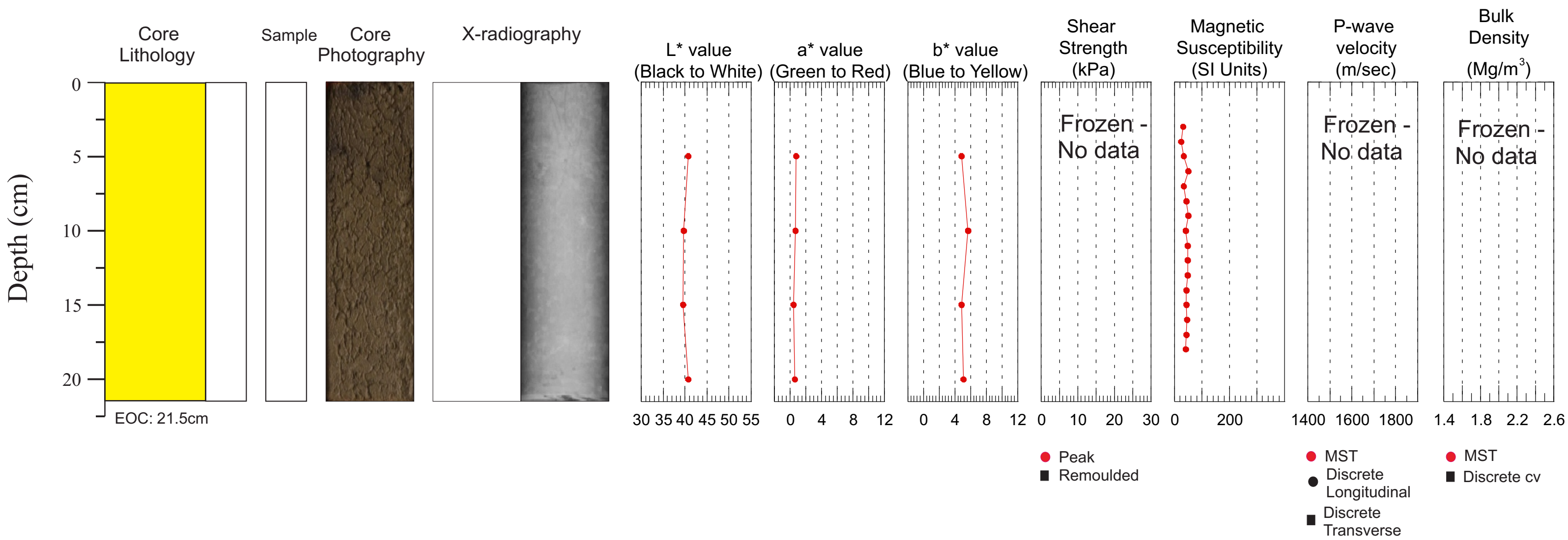
Dark grey-grey/brown mud, sparse to no granules

Light and/or yellowish brown/grey mud, may be sandy, may have few granules

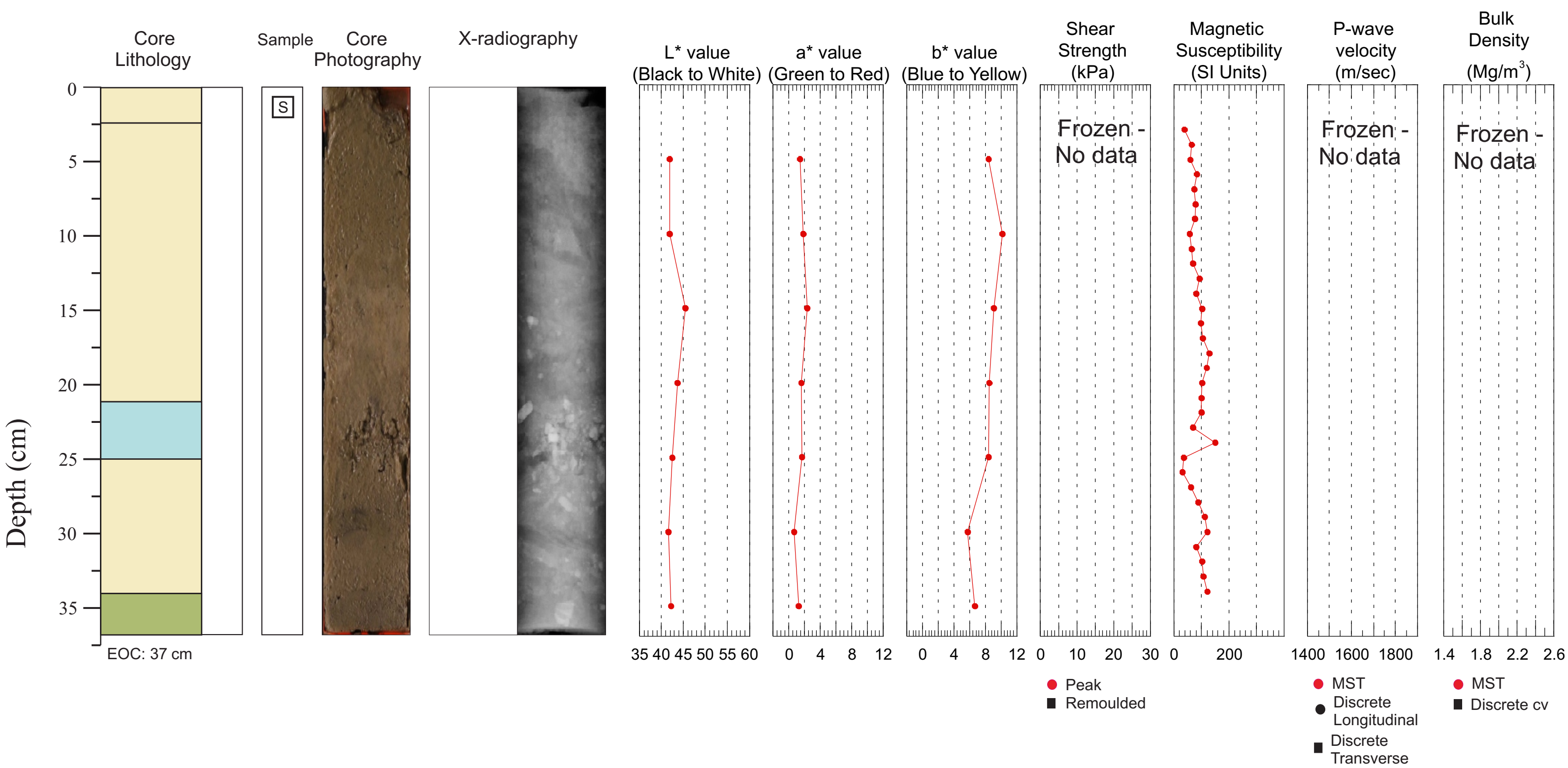
2010061 Phase 2 0073A Push Core



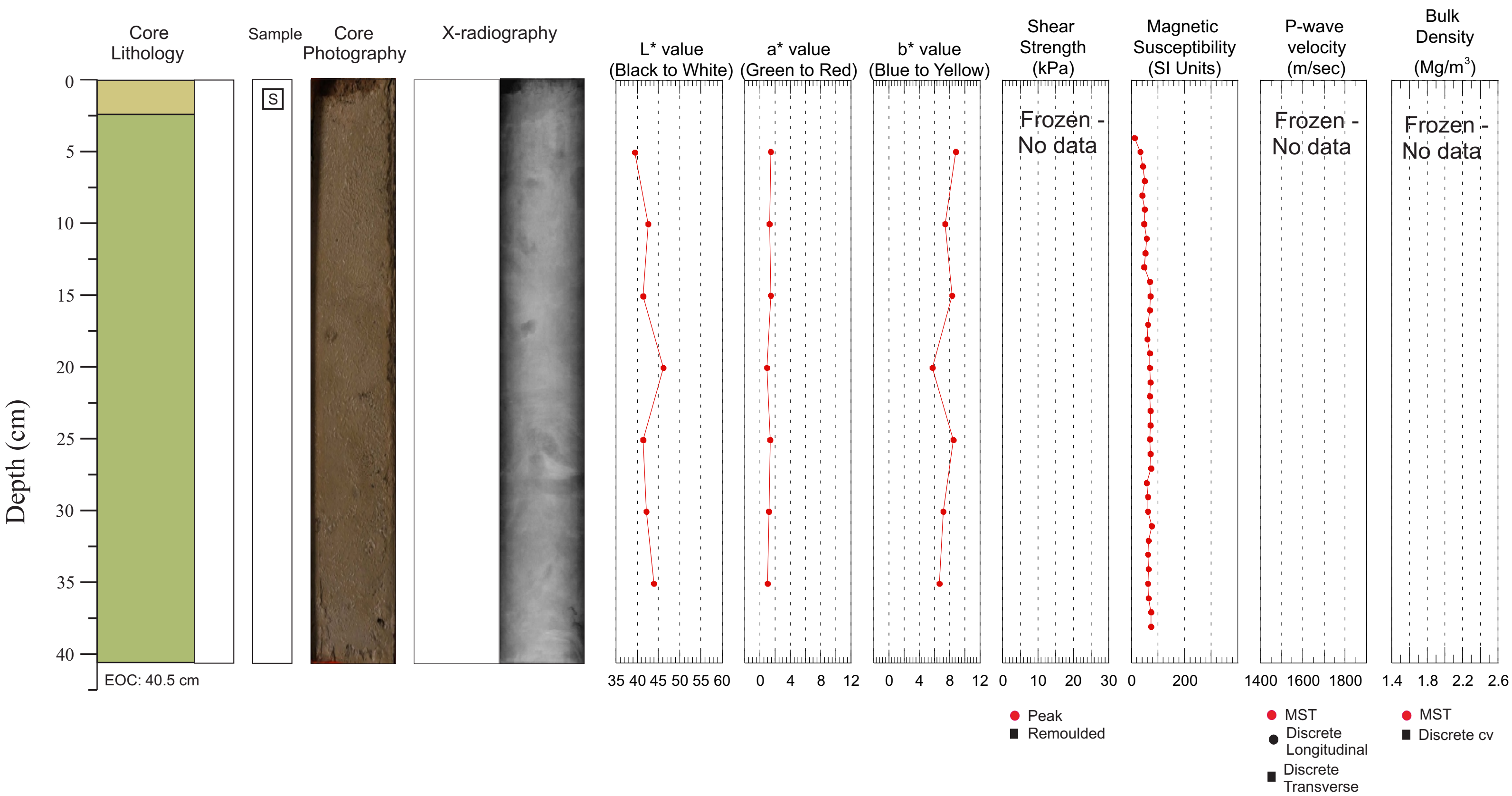
2010061 Phase 2 0075A Push Core



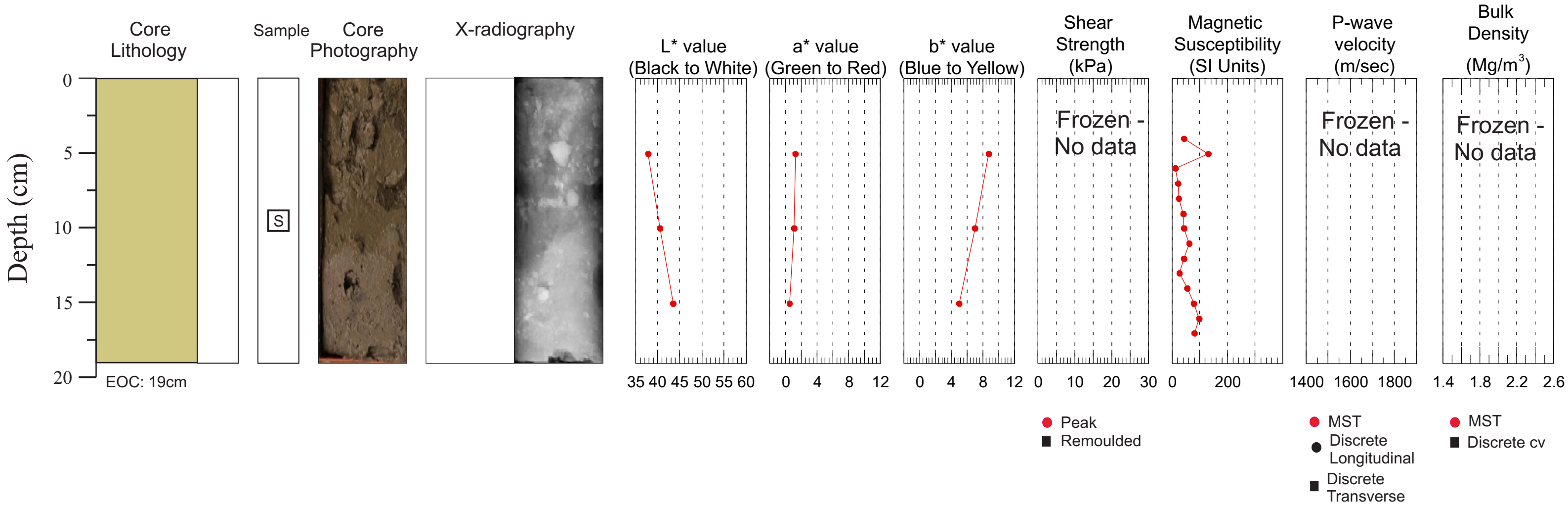
2010061 Phase 2 0076A Push Core



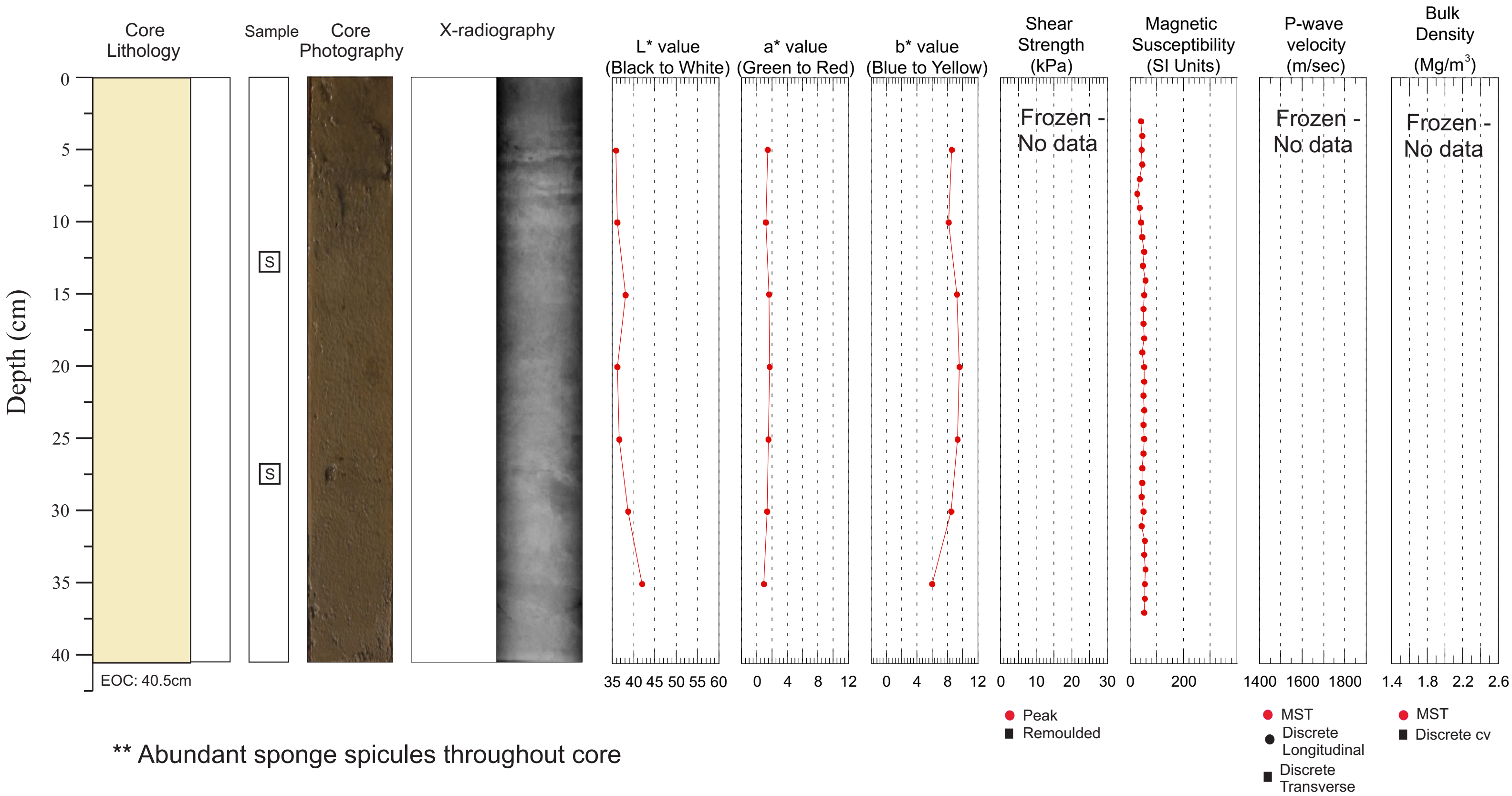
2010061 Phase 2 0077A Push Core



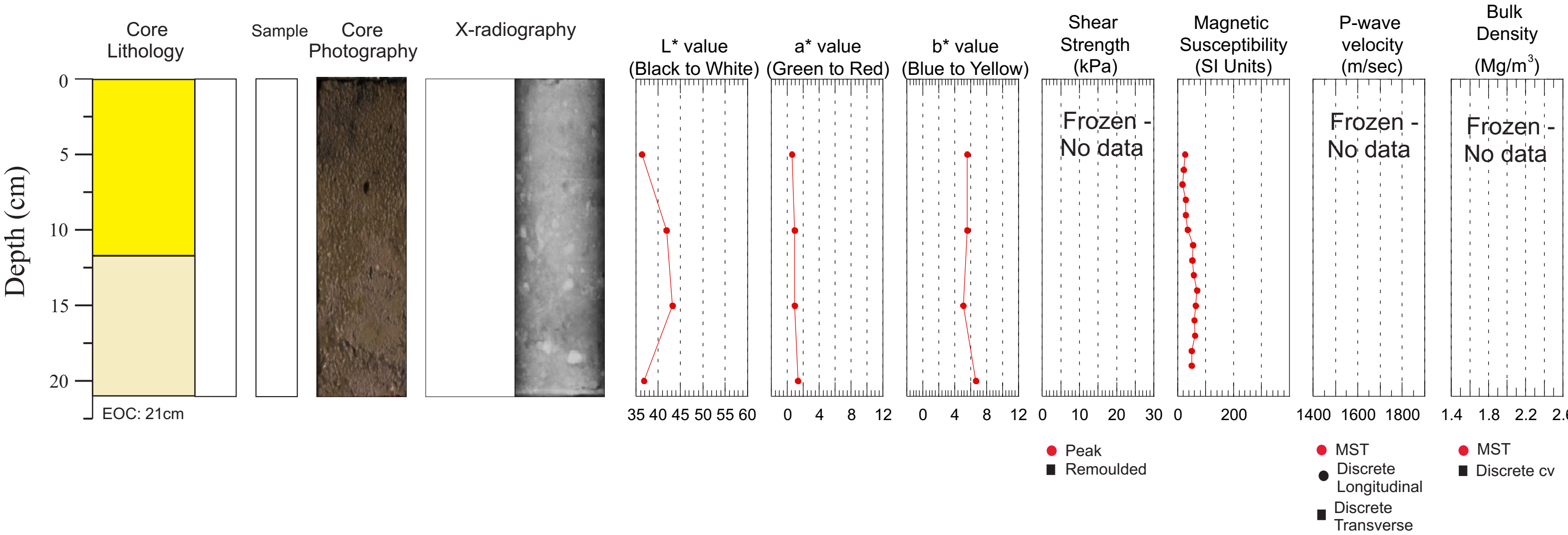
2010061 Phase 2 0079A Push Core



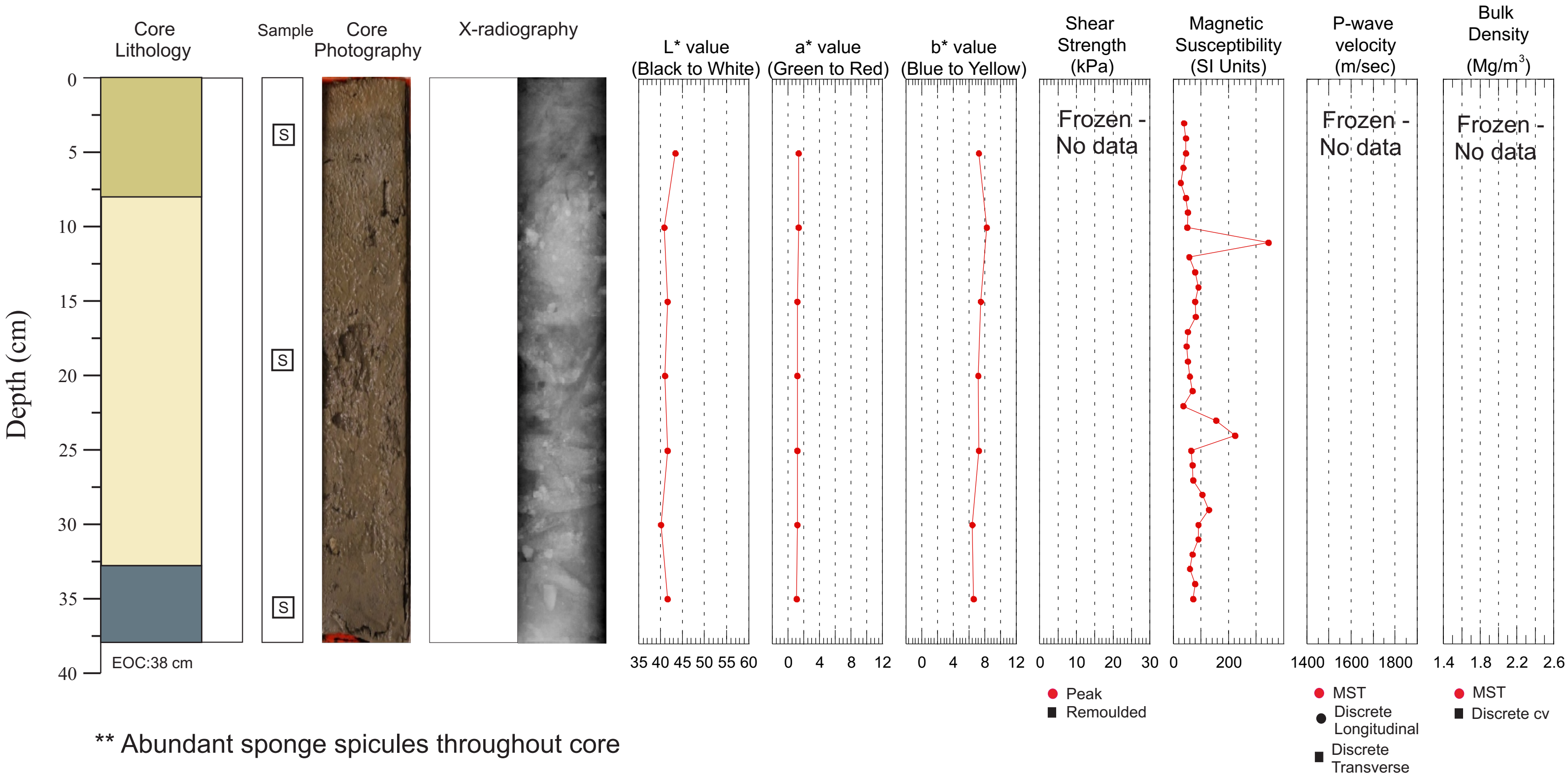
2010061 Phase 2 0080A Push Core



2010061 Phase 2 0081A Push Core

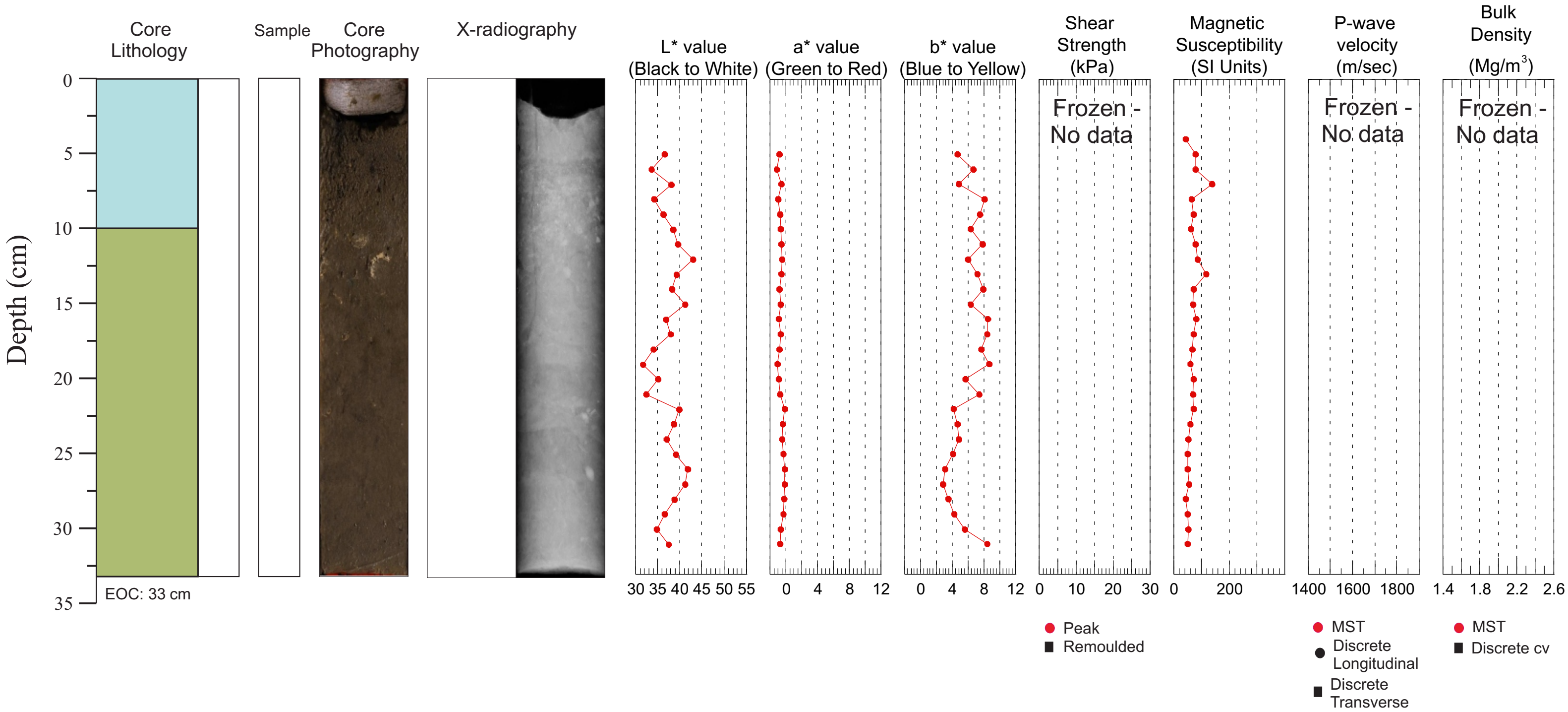


2010061 Phase 2 0083A Push Core

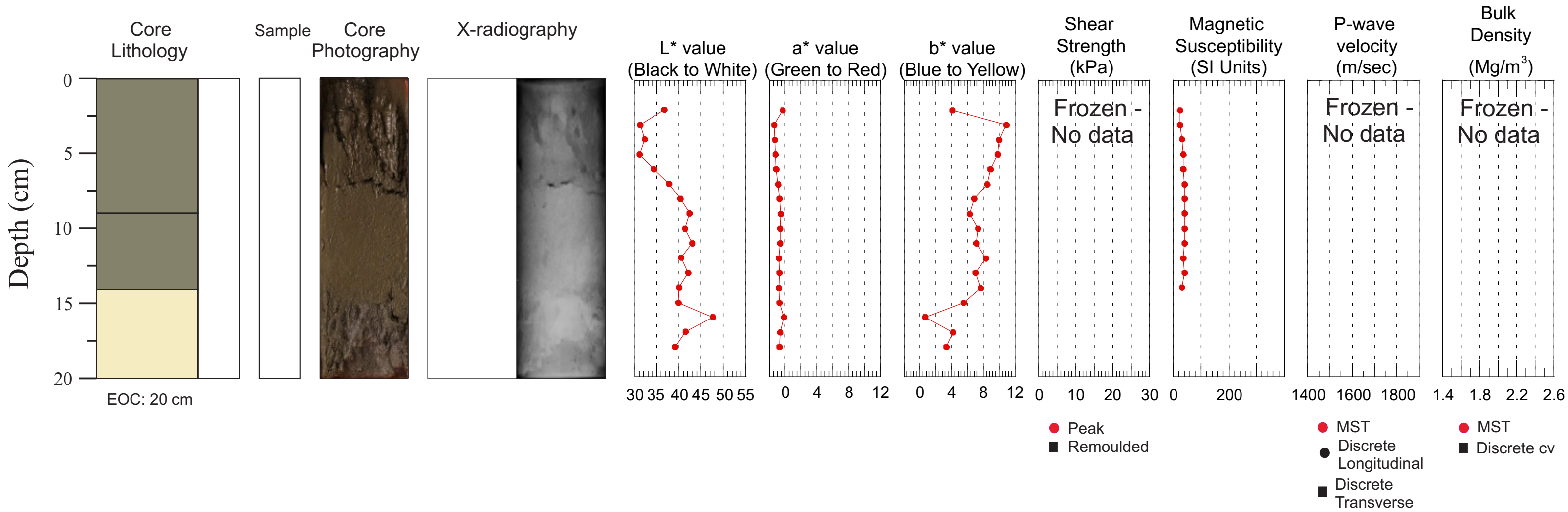


** Abundant sponge spicules throughout core

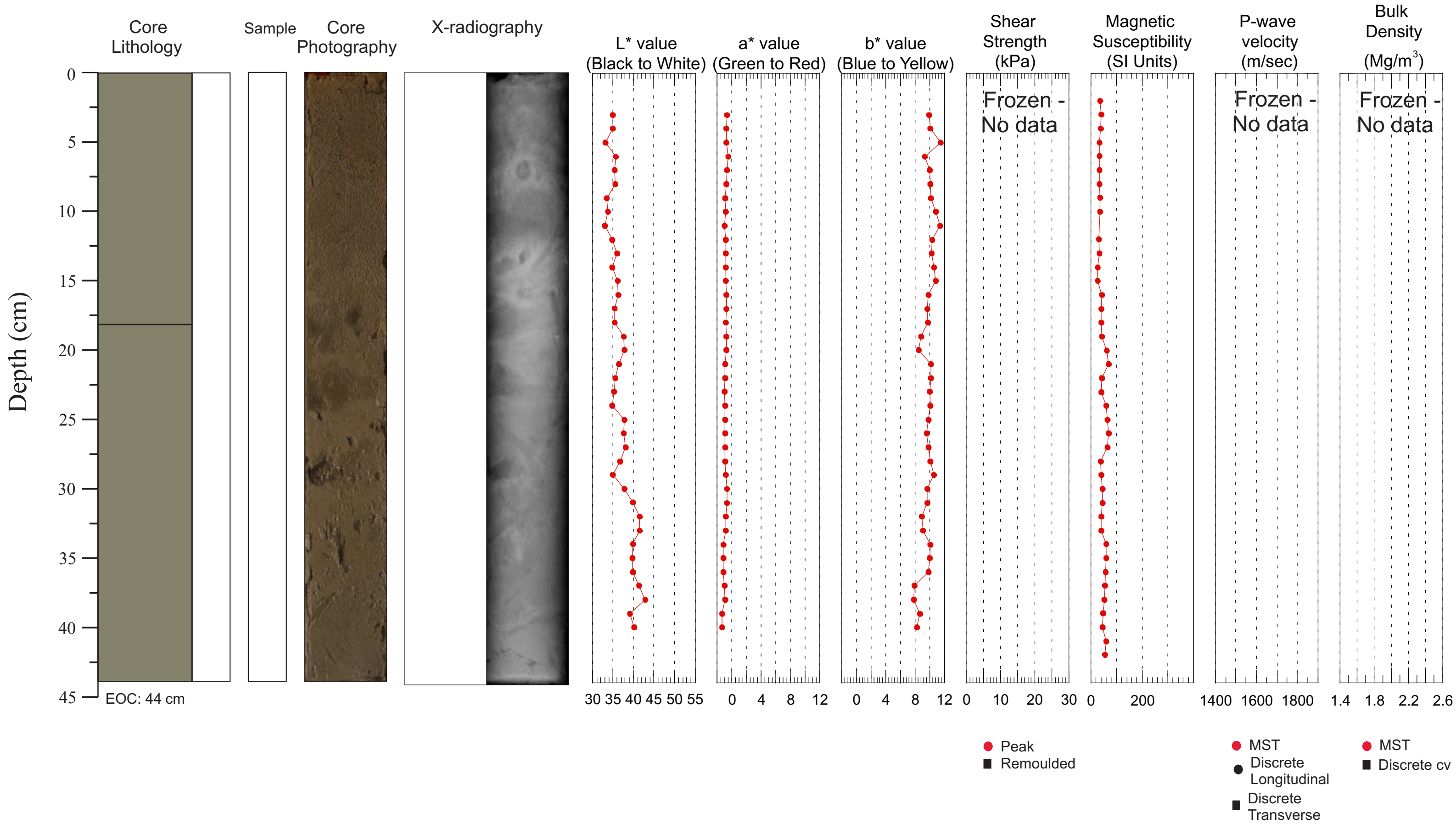
2010061 Phase3 0001A Push Core



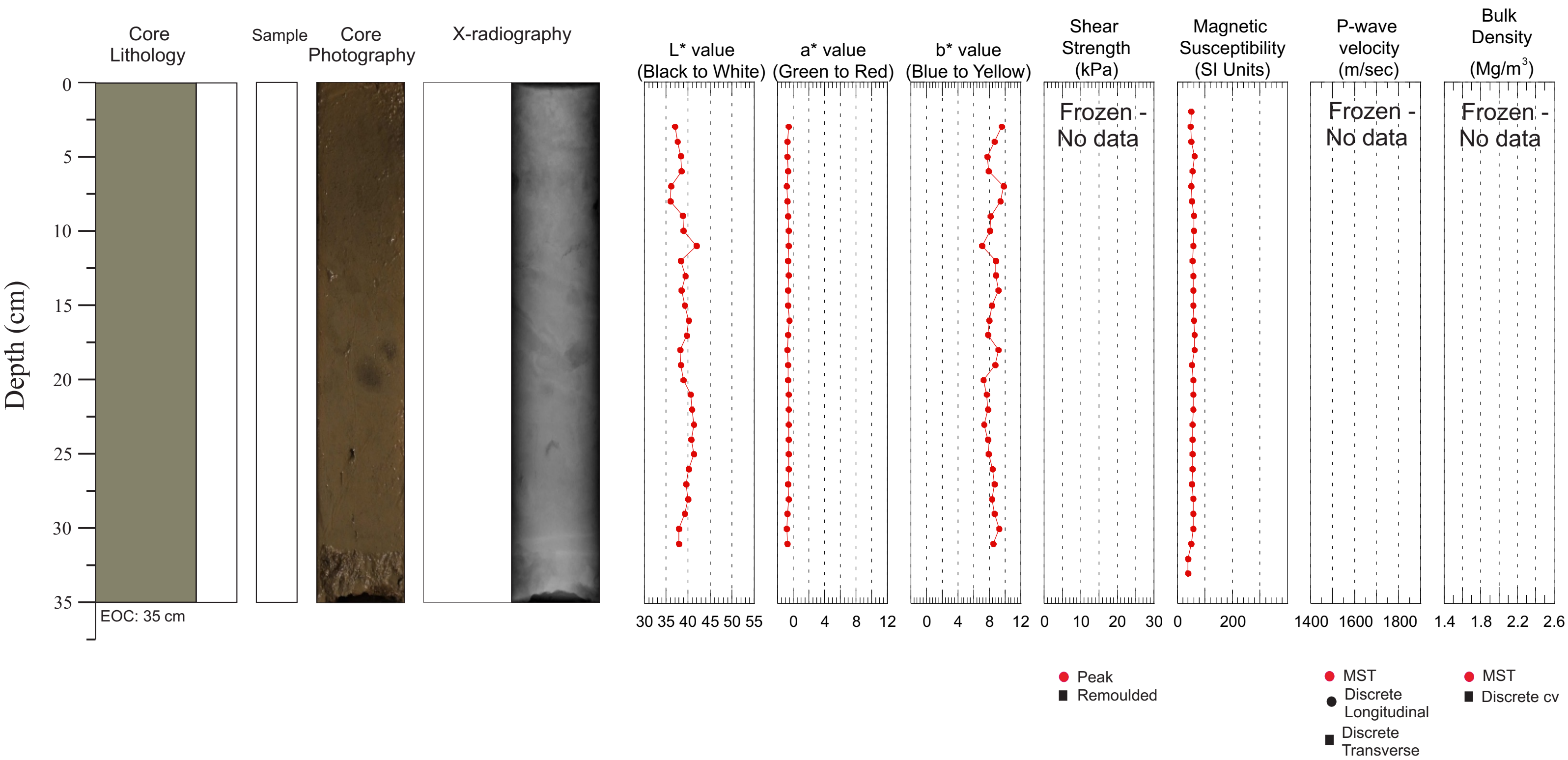
2010061 Phase3 0003A Push Core



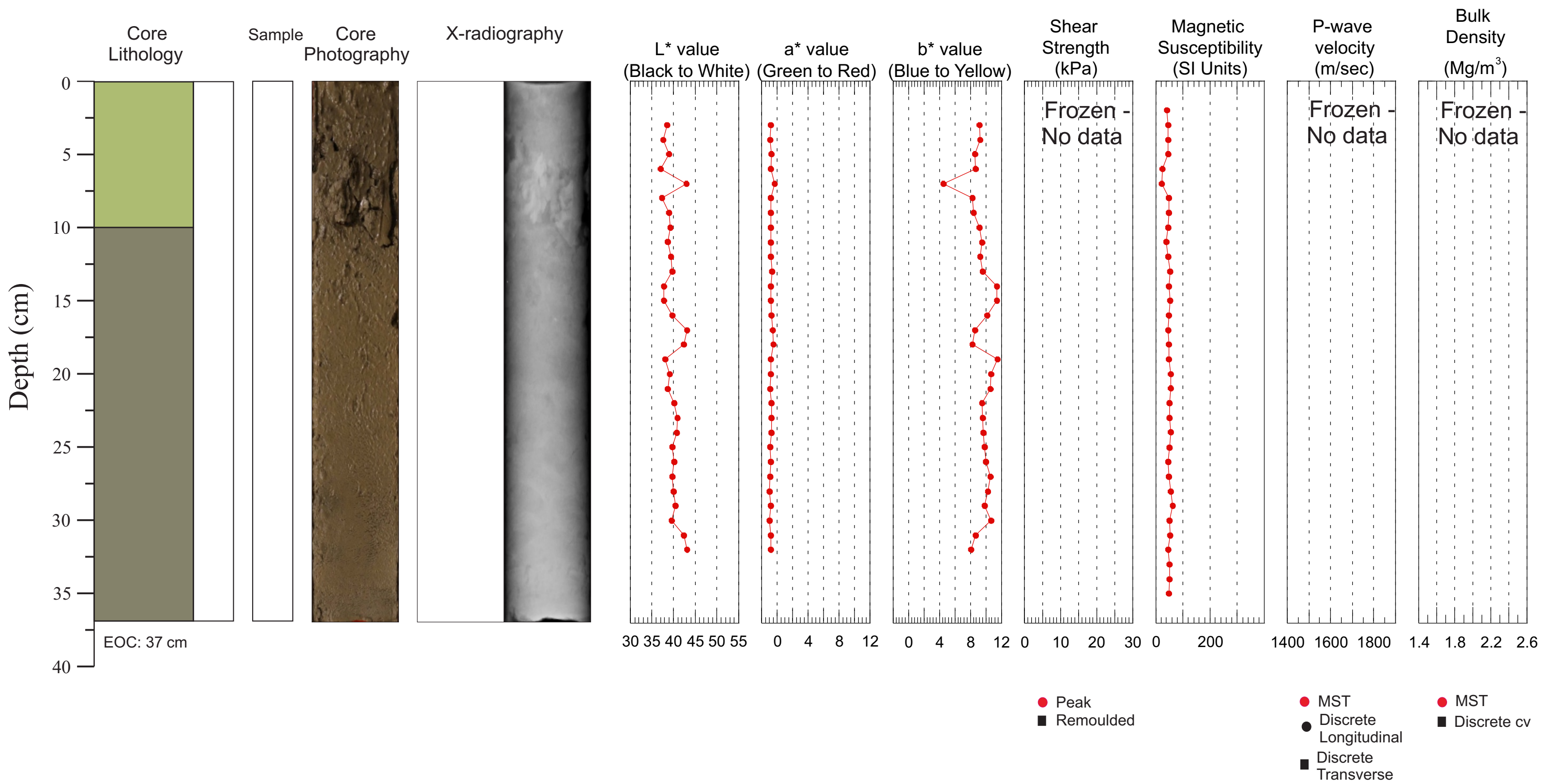
2010061 Phase3 0004A Push Core



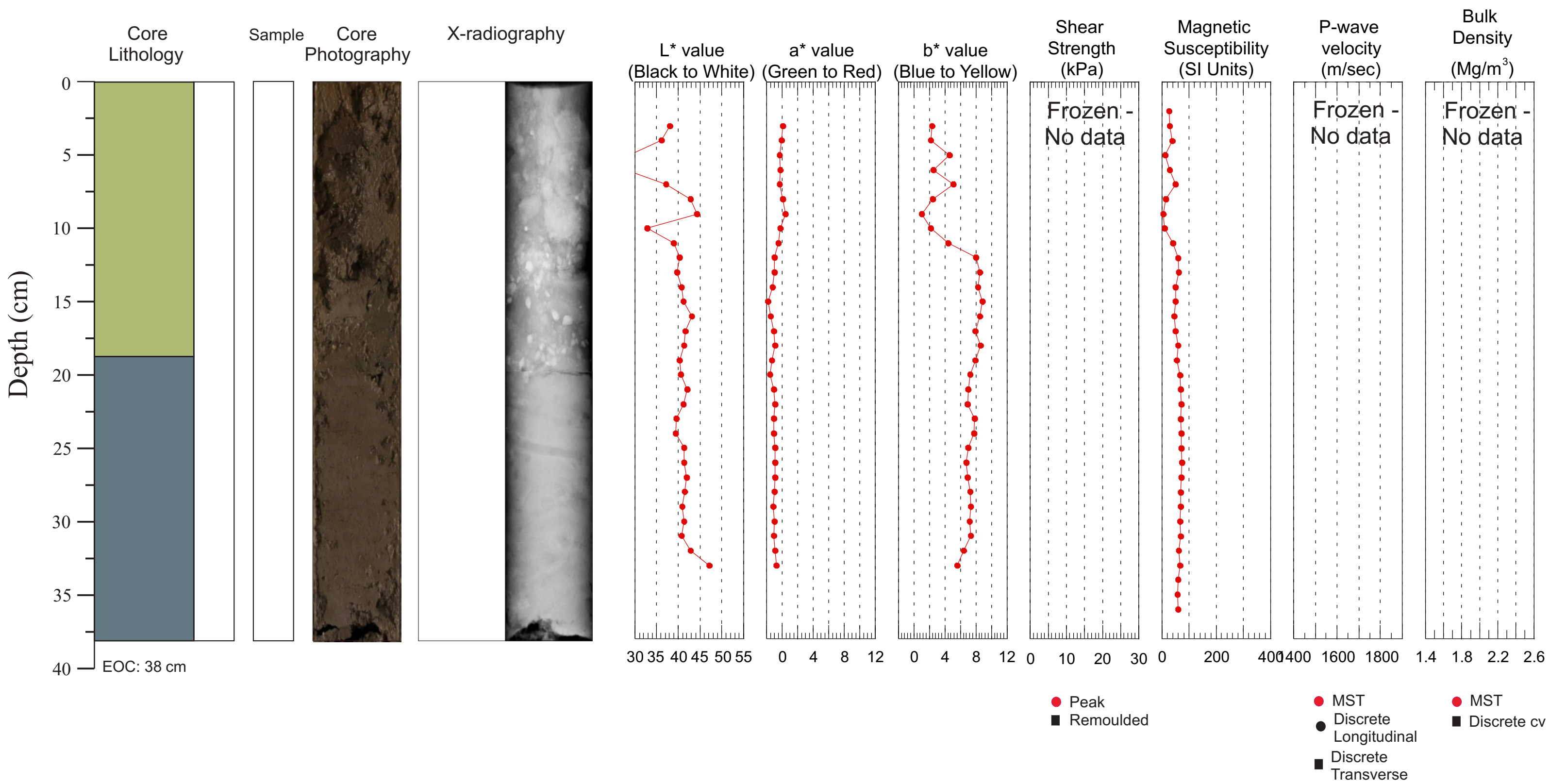
2010061 Phase3 0005A Push Core



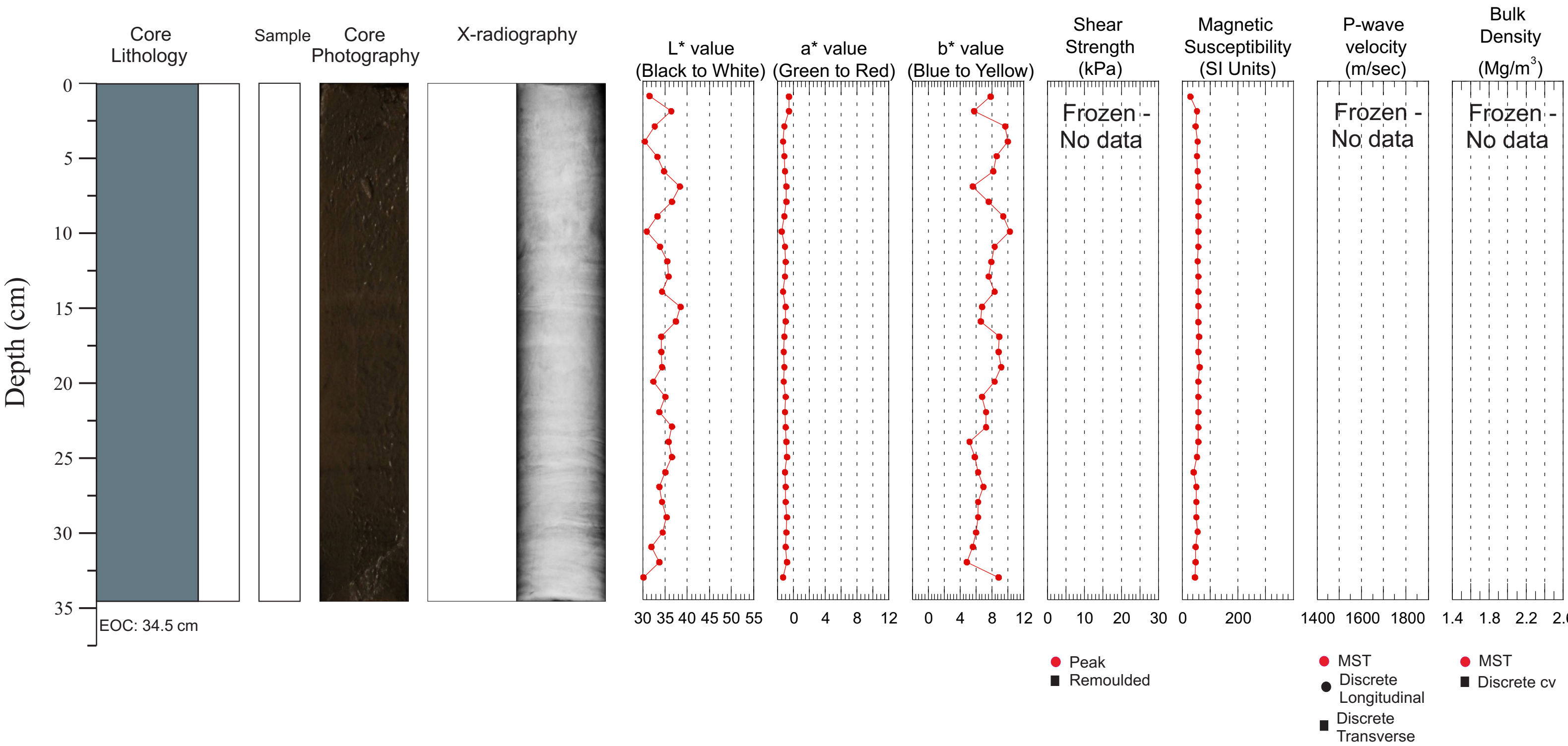
2010061 Phase3 0007A Push Core



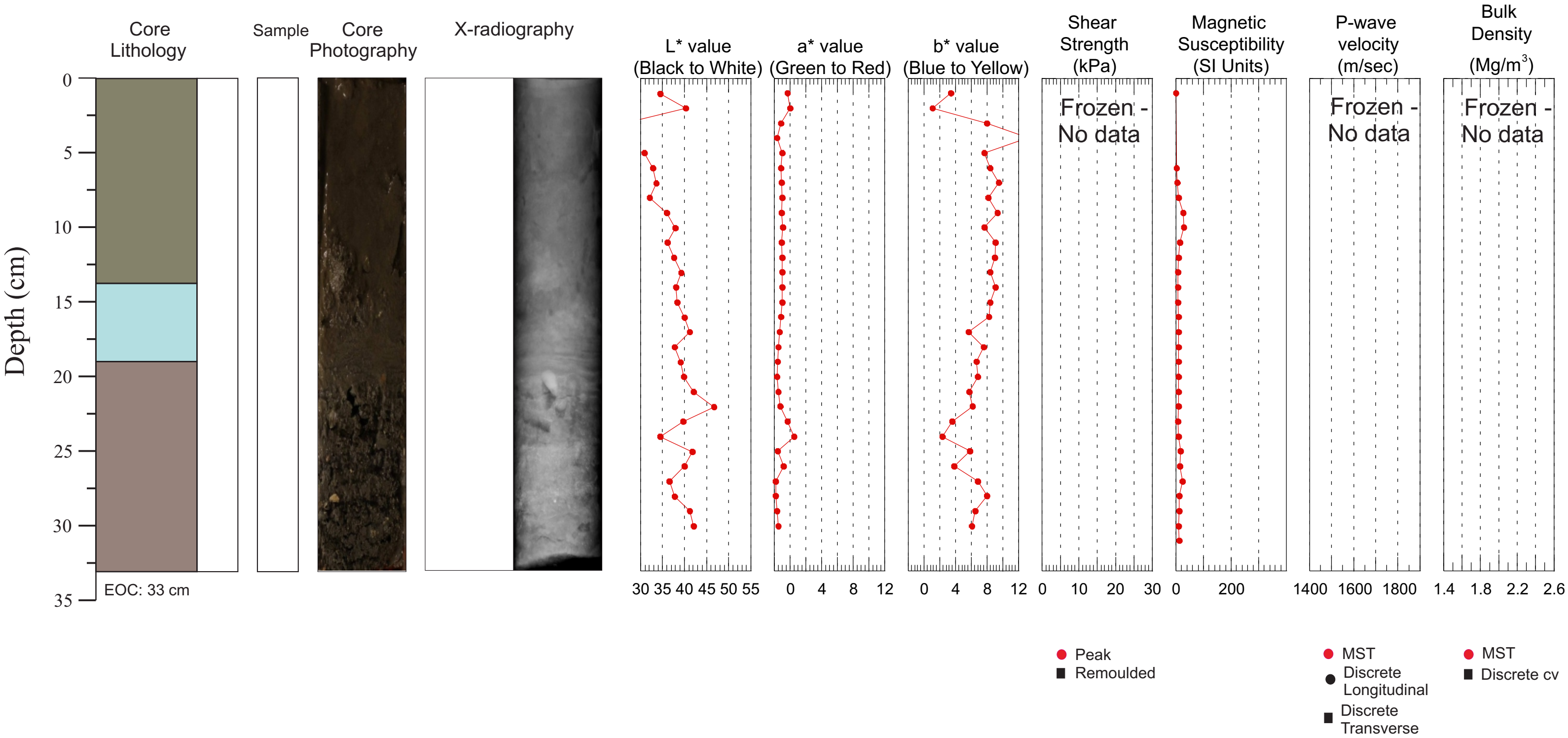
2010061 Phase3 0008A Push Core



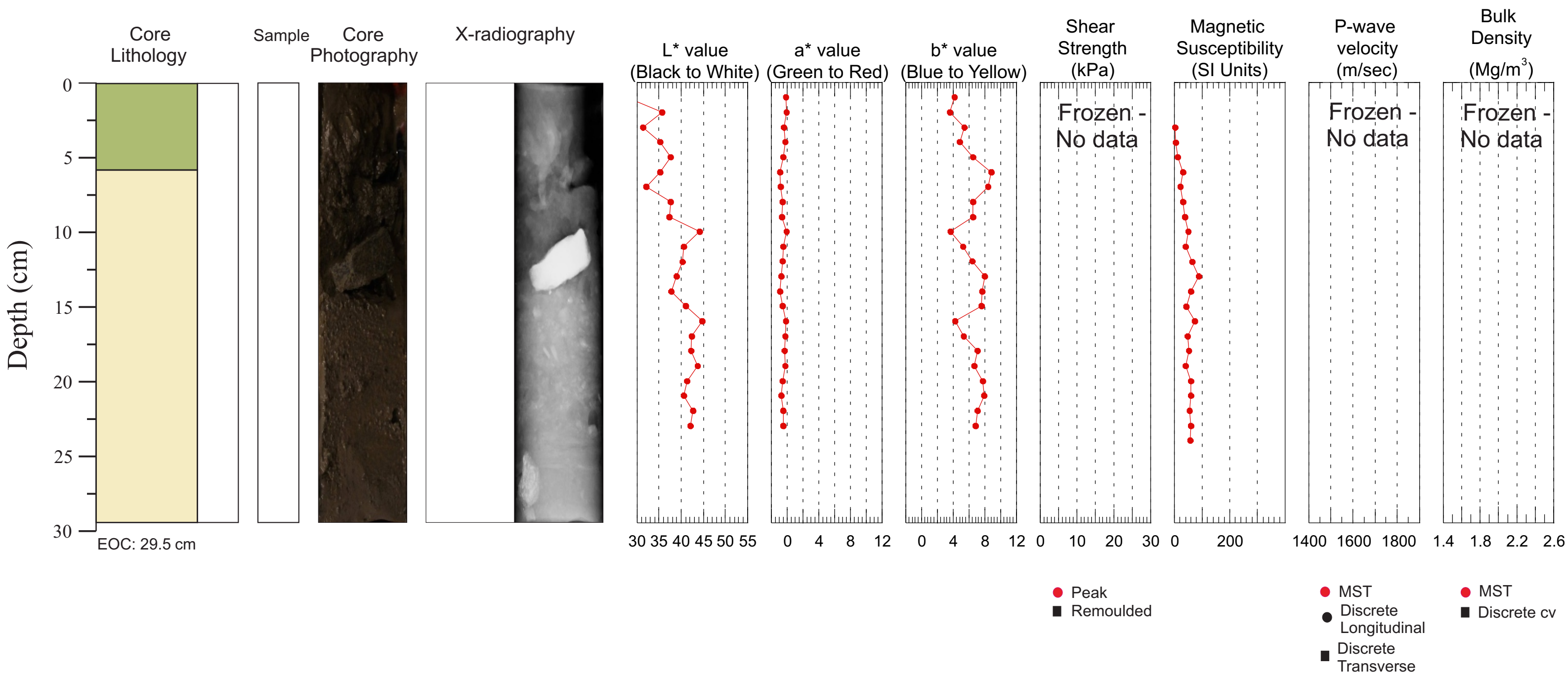
2010061 Phase3 0009A Push Core



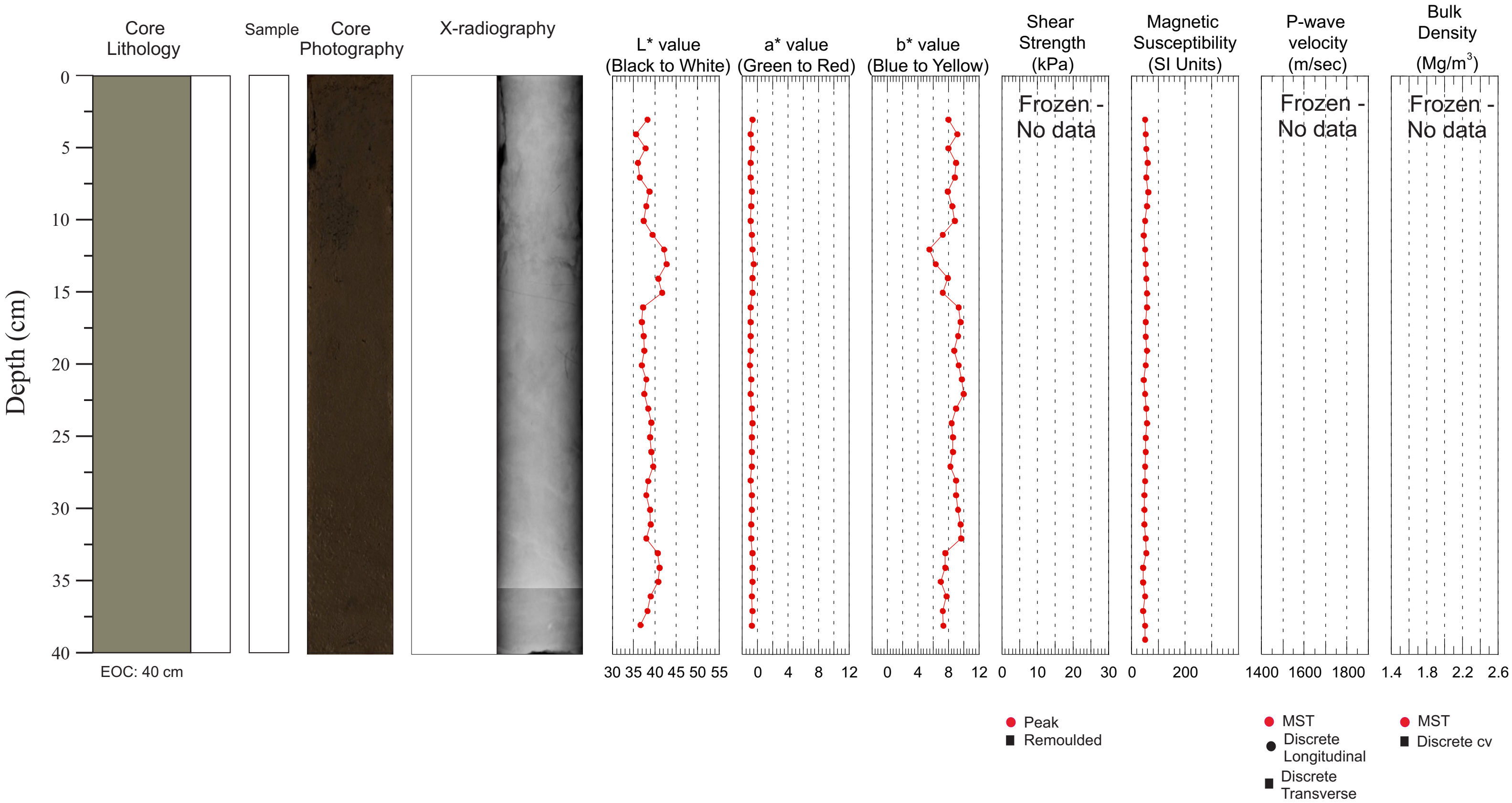
2010061 Phase3 0011A Push Core



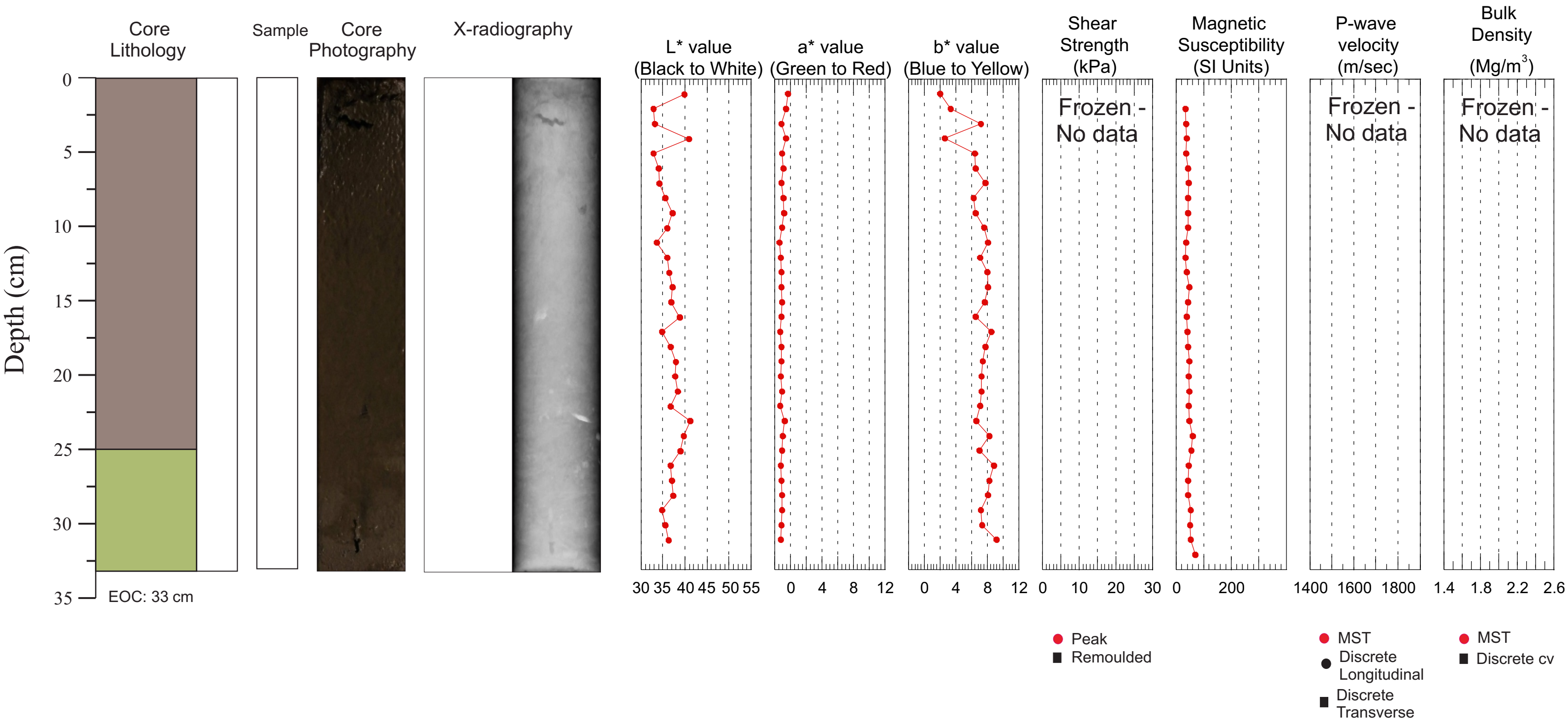
2010061 Phase3 0012A Push Core



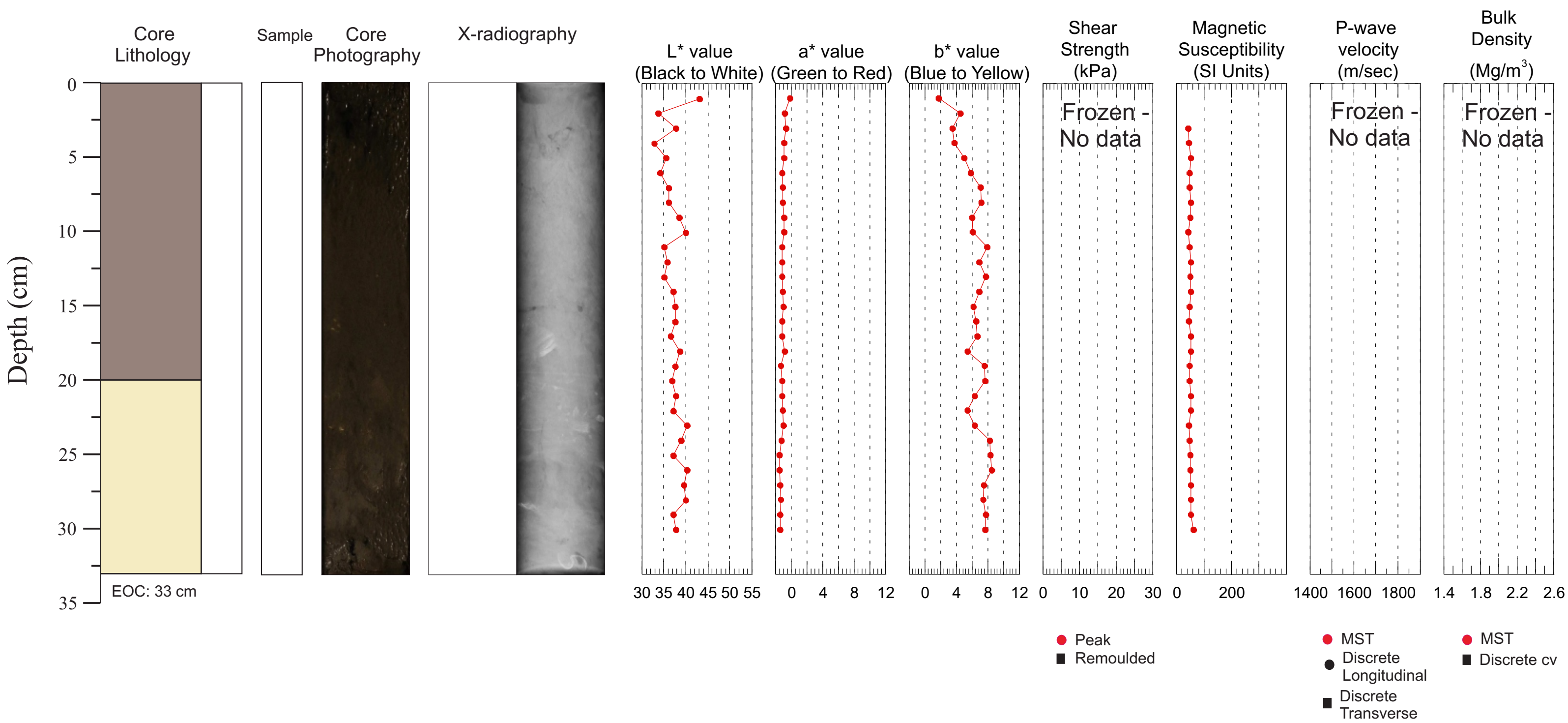
2010061 Phase3 0013A Push Core



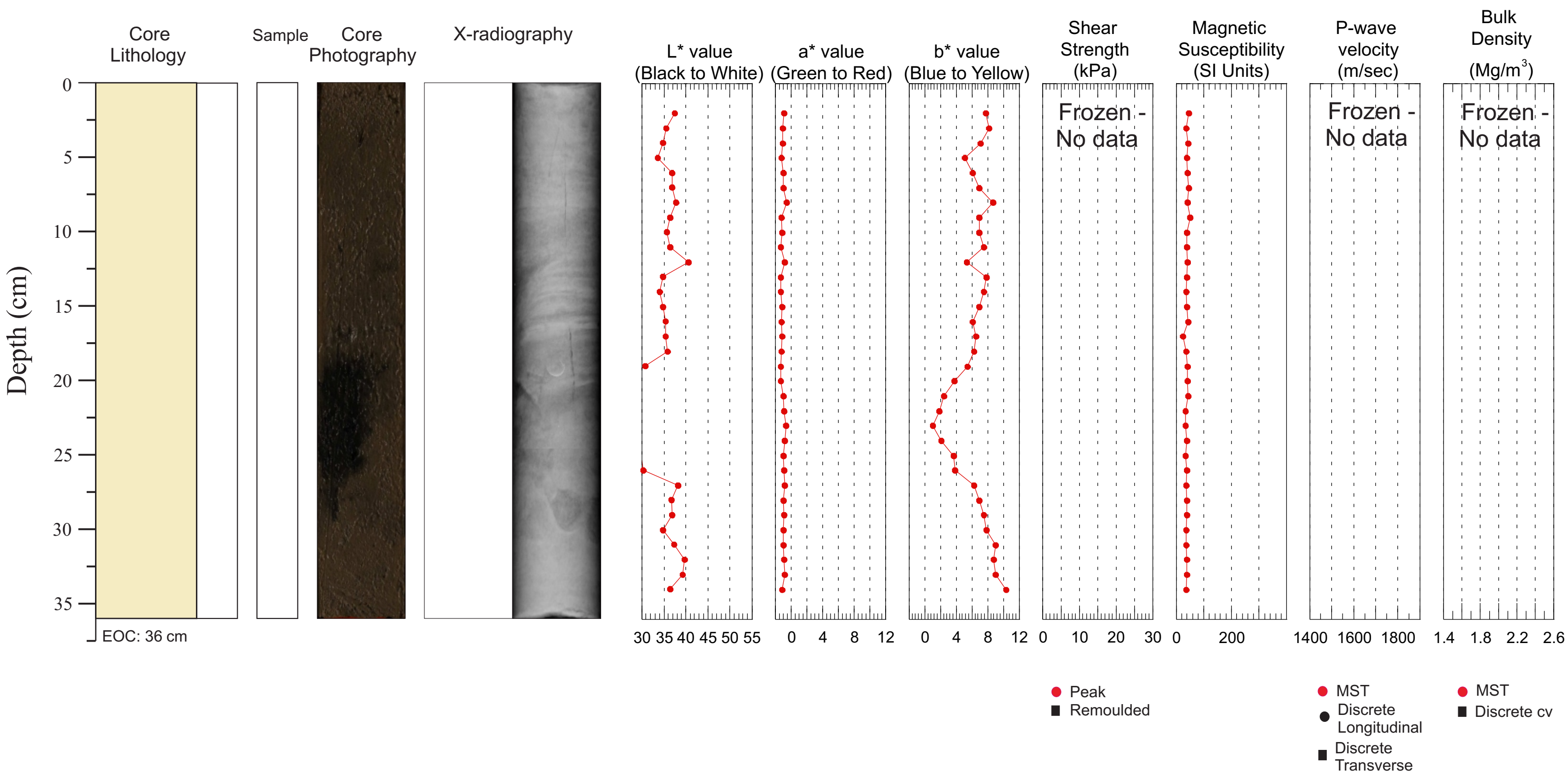
2010061 Phase3 0014A Push Core



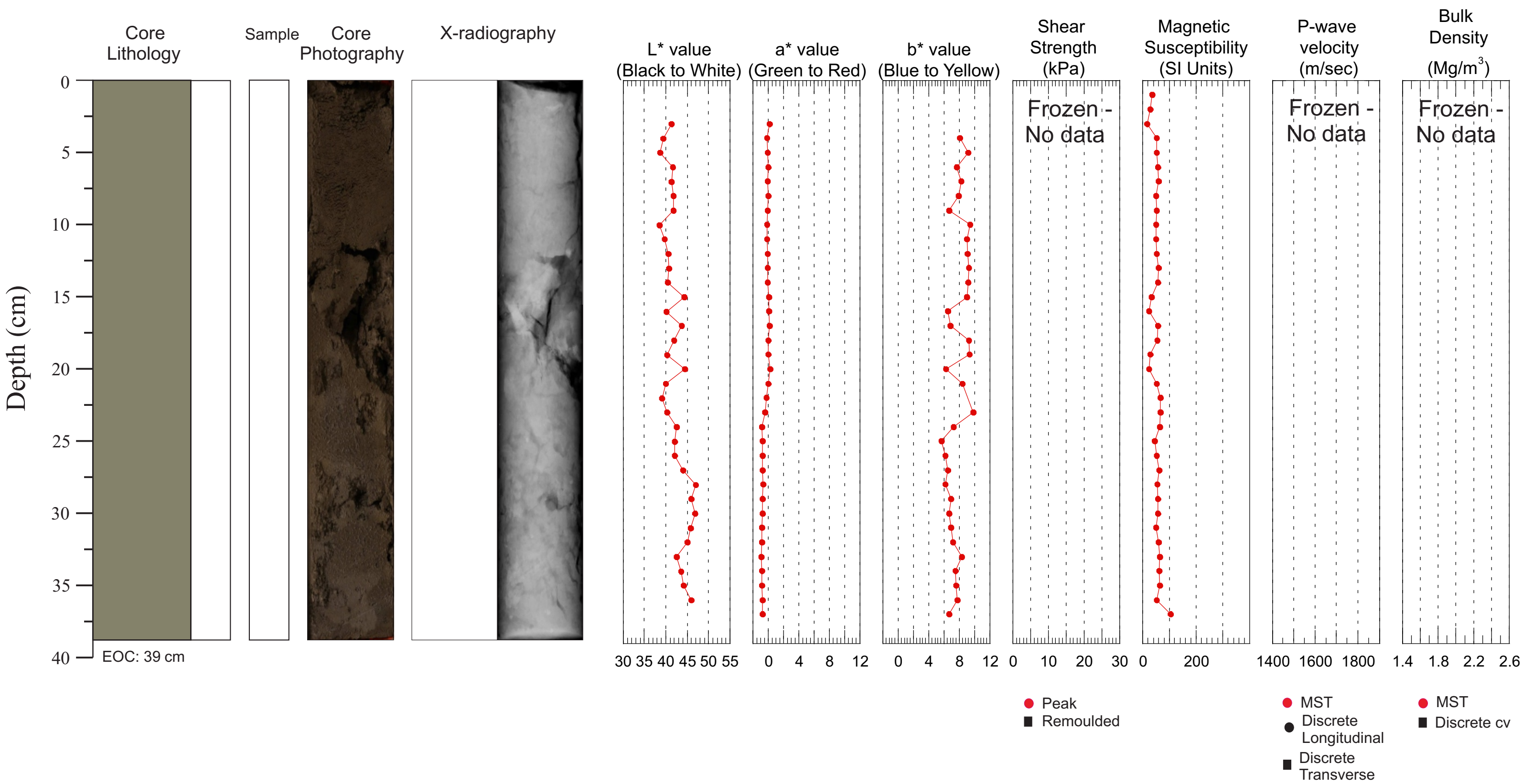
2010061 Phase3 0016A Push Core



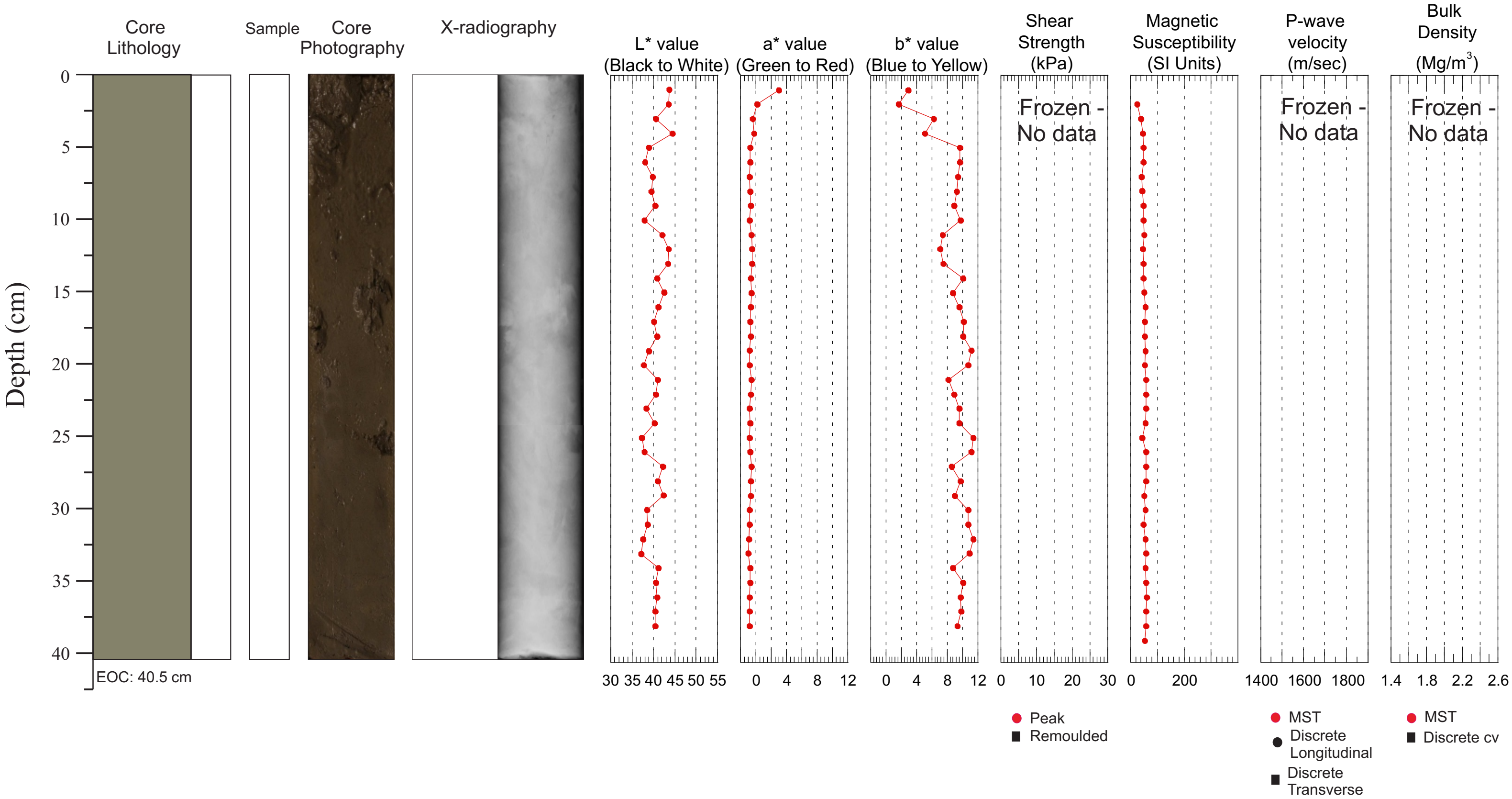
2010061 Phase3 0018A Push Core



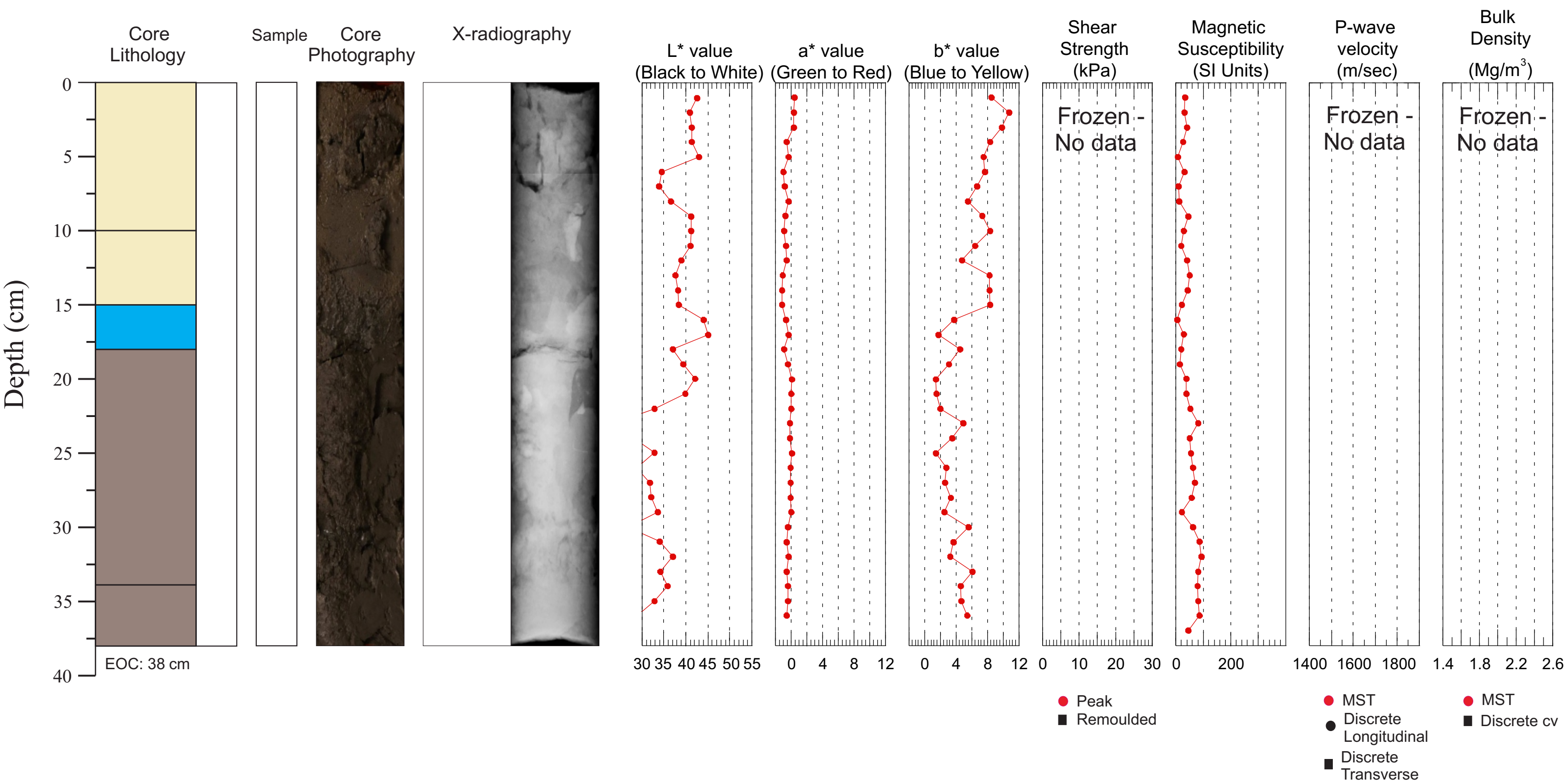
2010061 Phase3 0019A Push Core



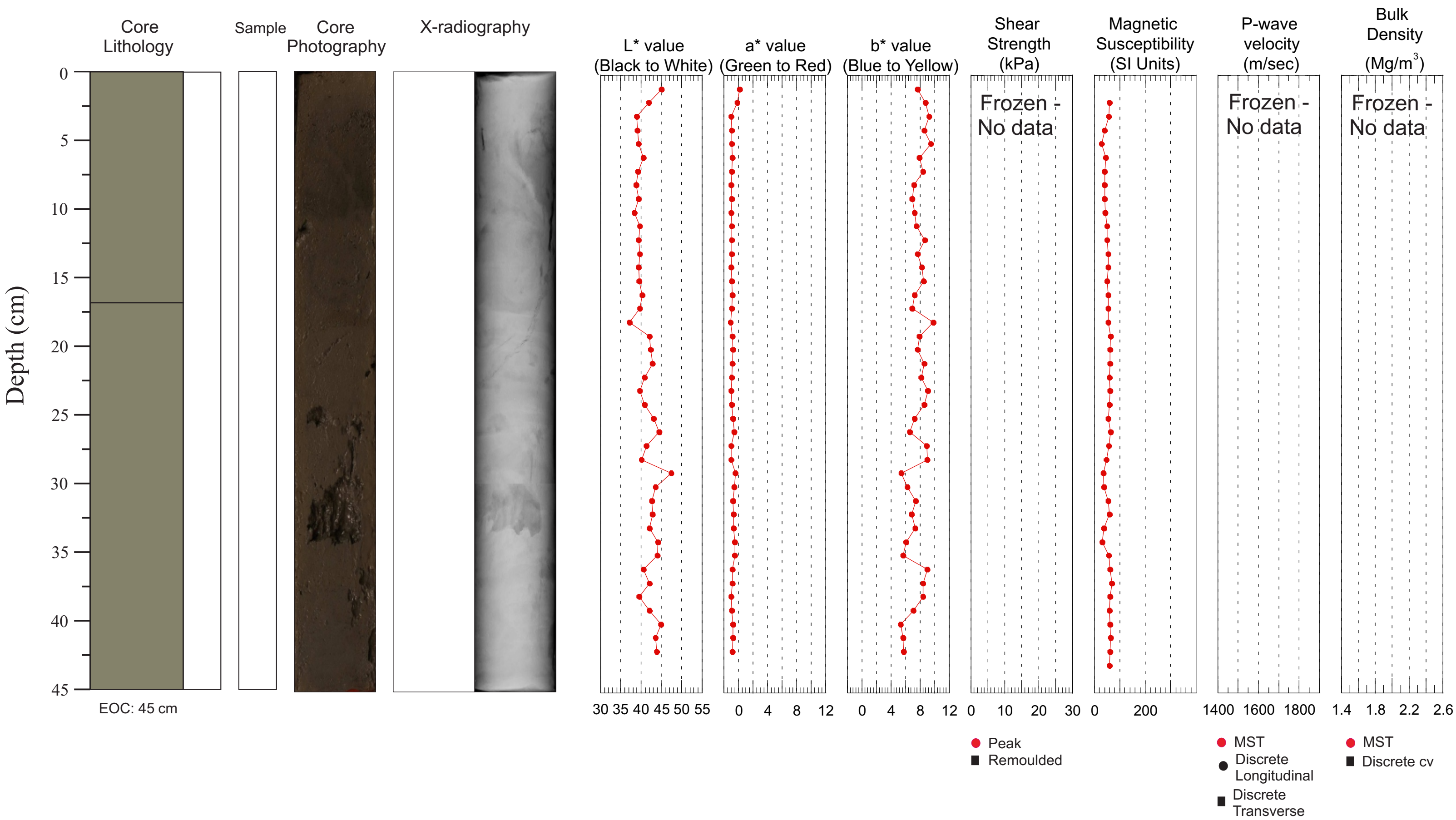
2010061 Phase3 0022A Push Core



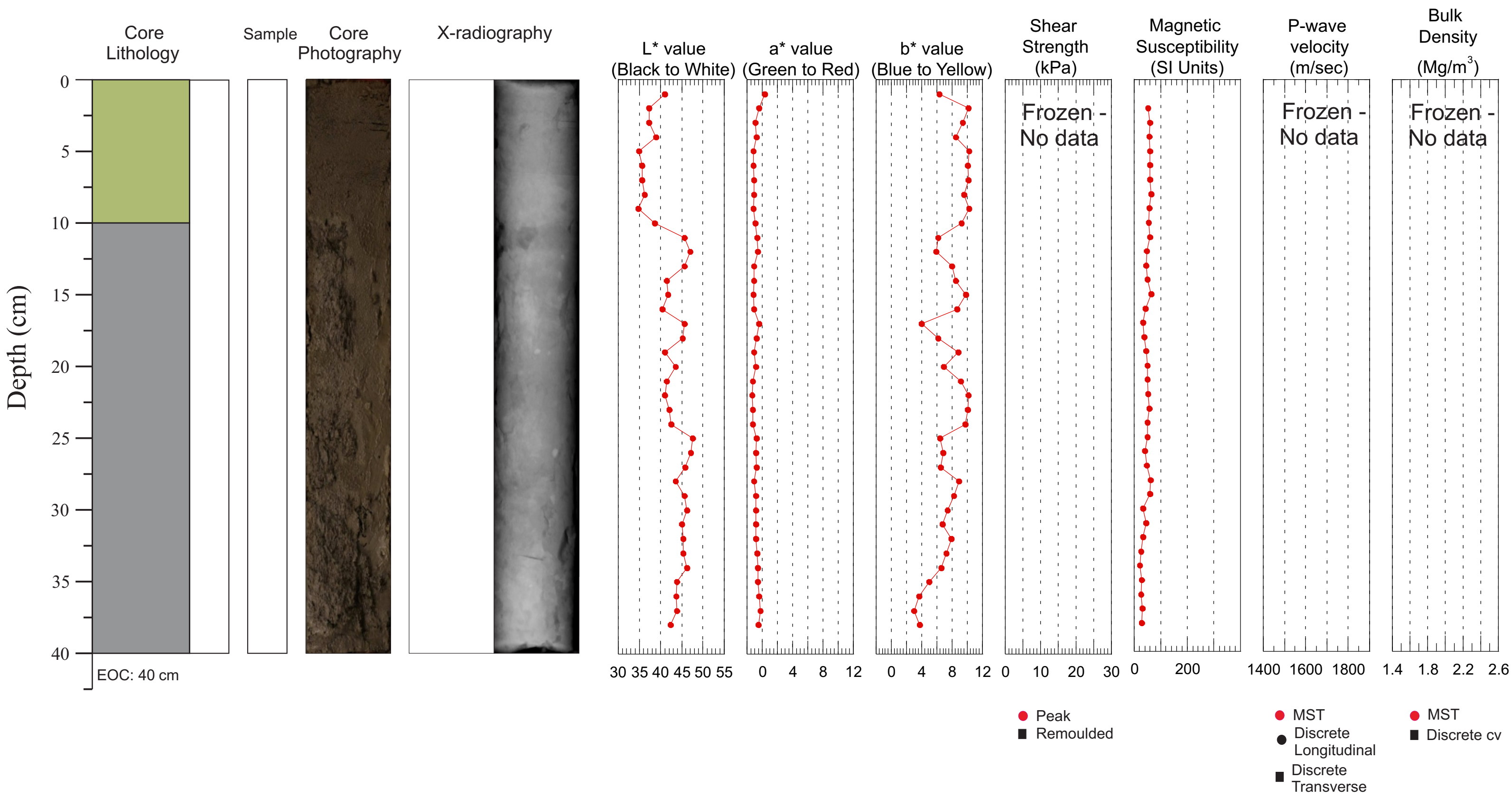
2010061 Phase3 0023A Push Core



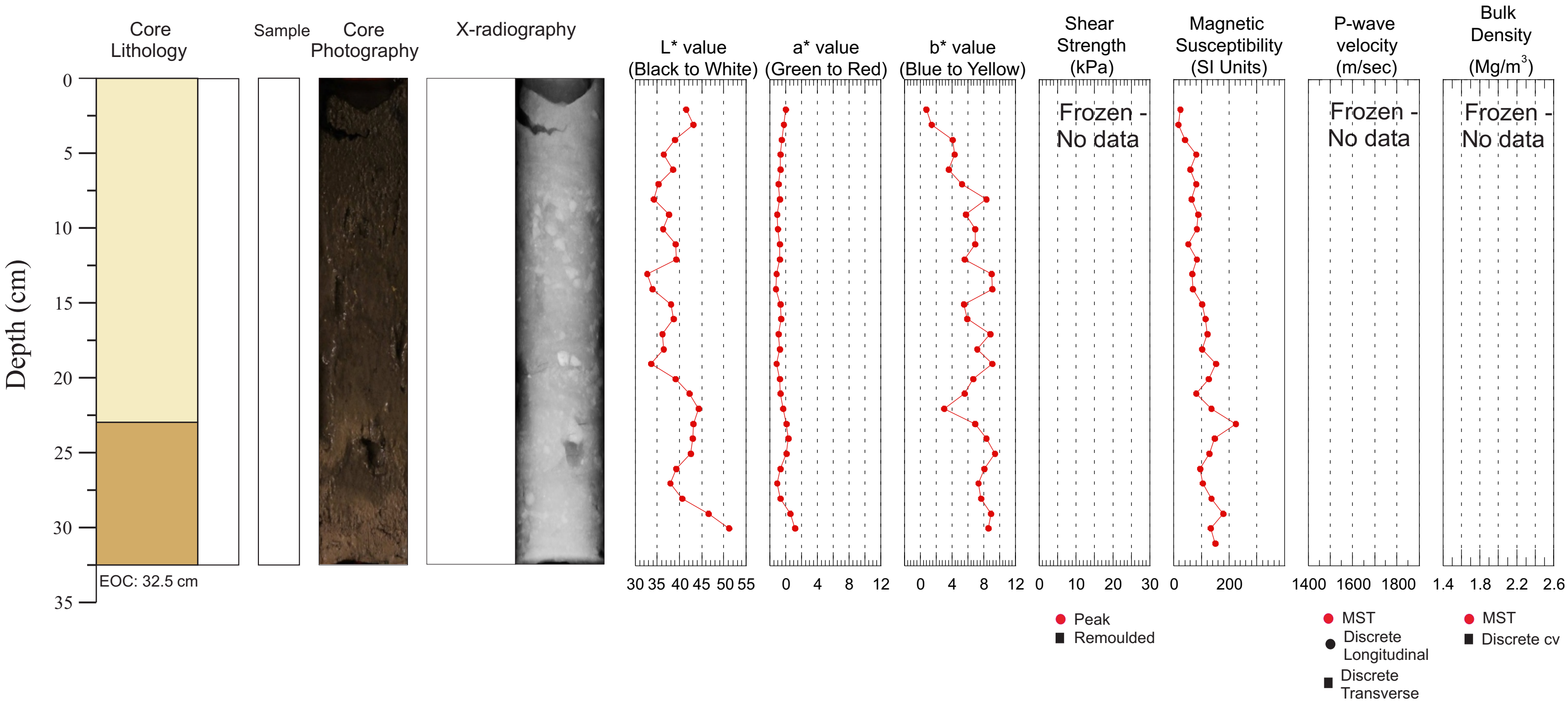
2010061 Phase3 0024A Push Core



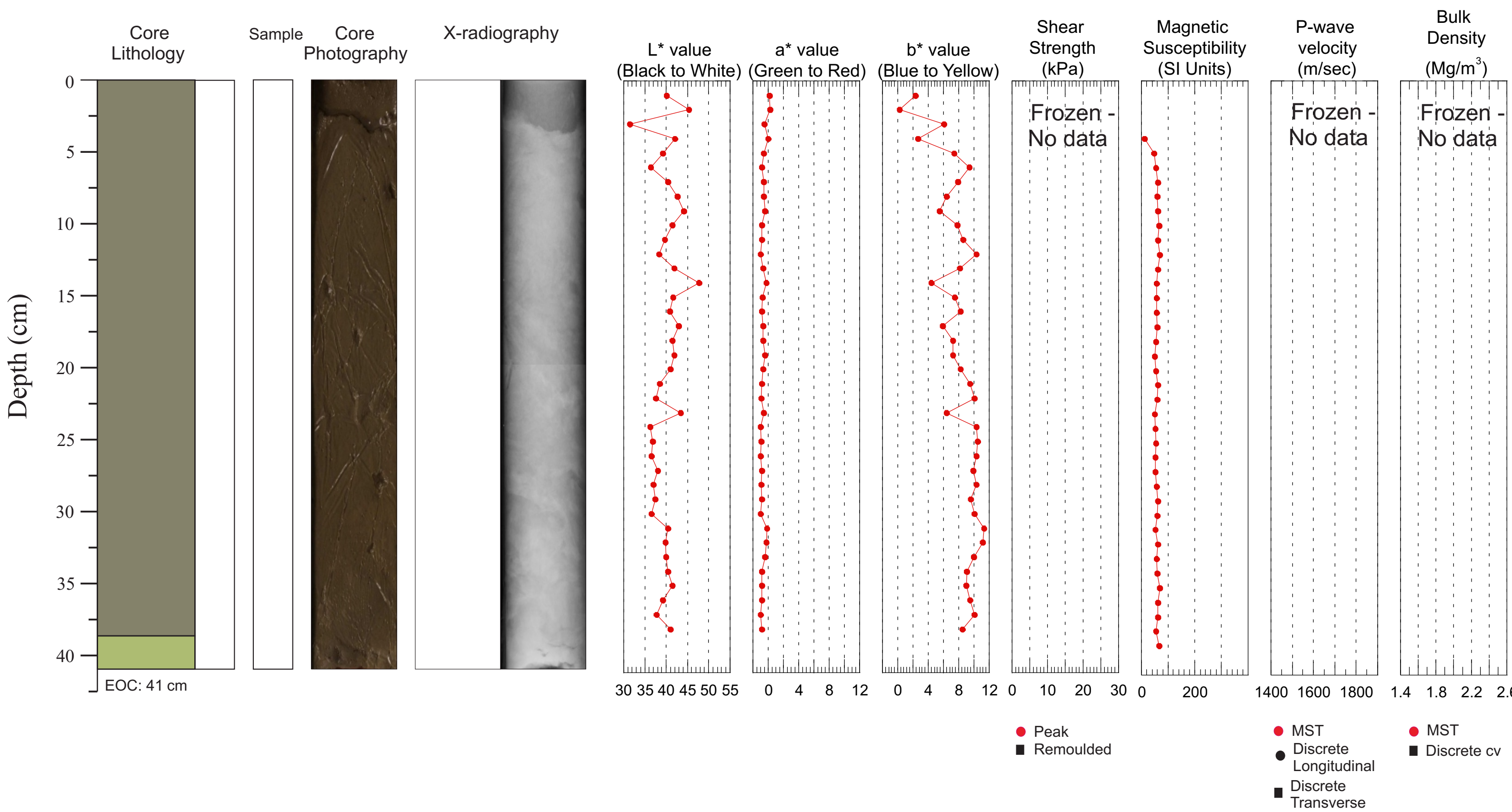
2010061 Phase3 0025A Push Core



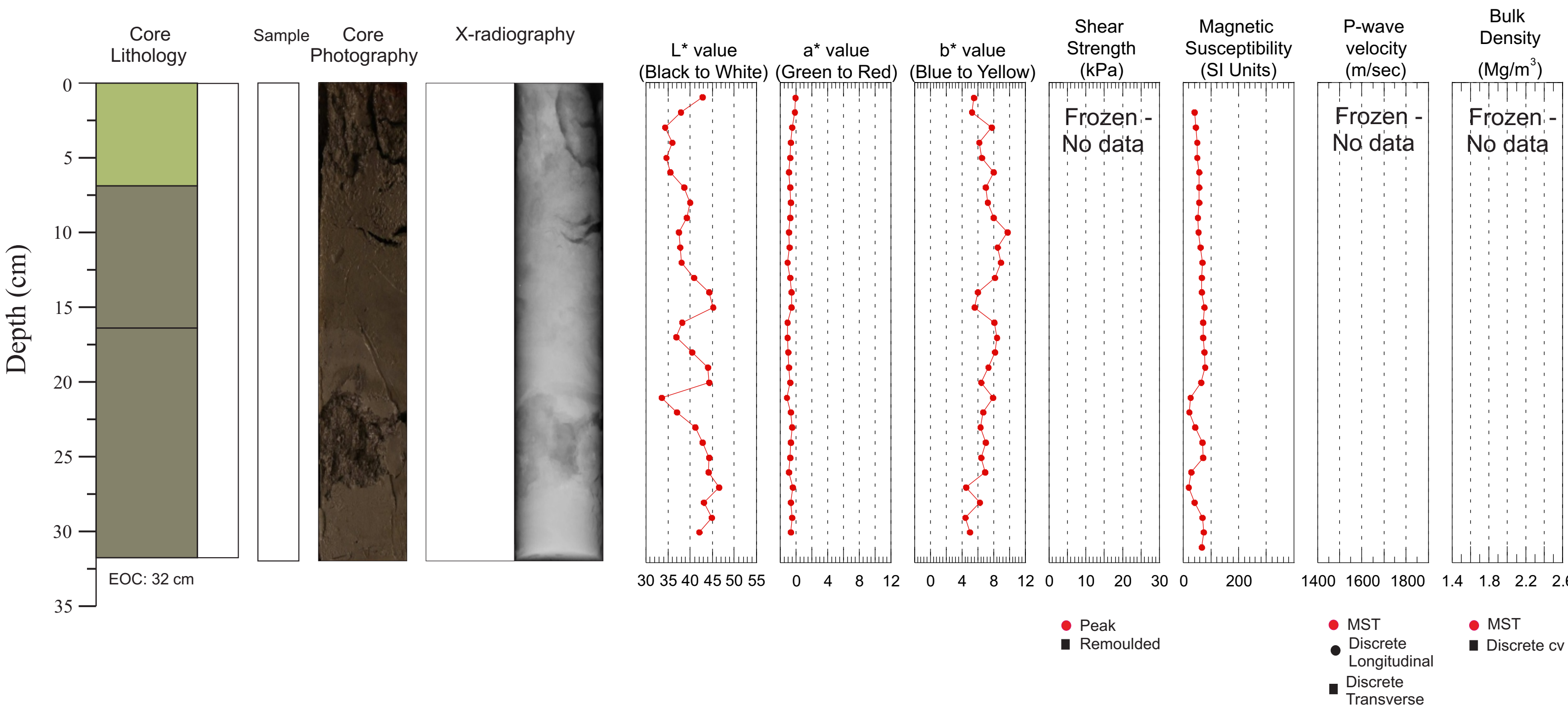
2010061 Phase3 0027A Push Core



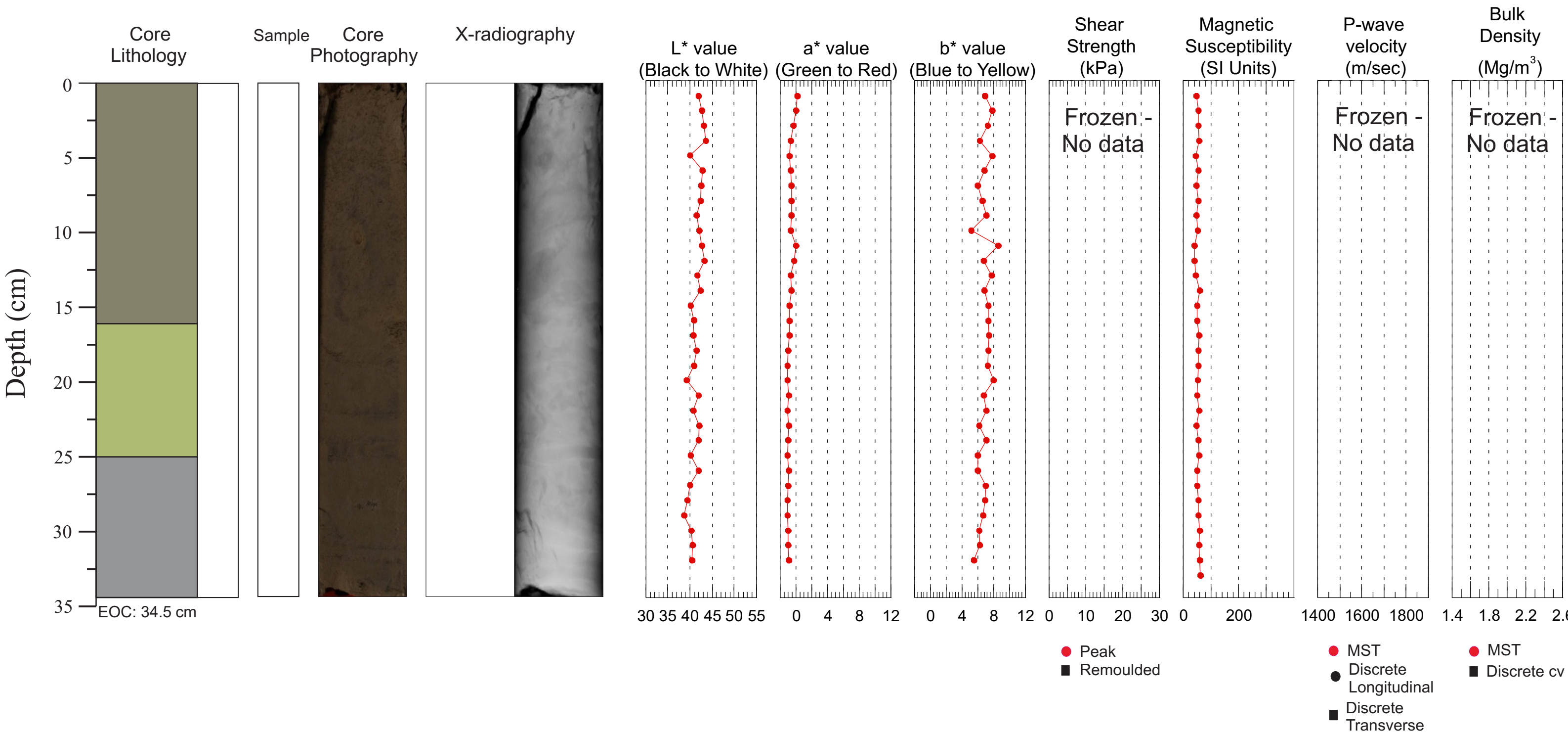
2010061 Phase3 0028A Push Core



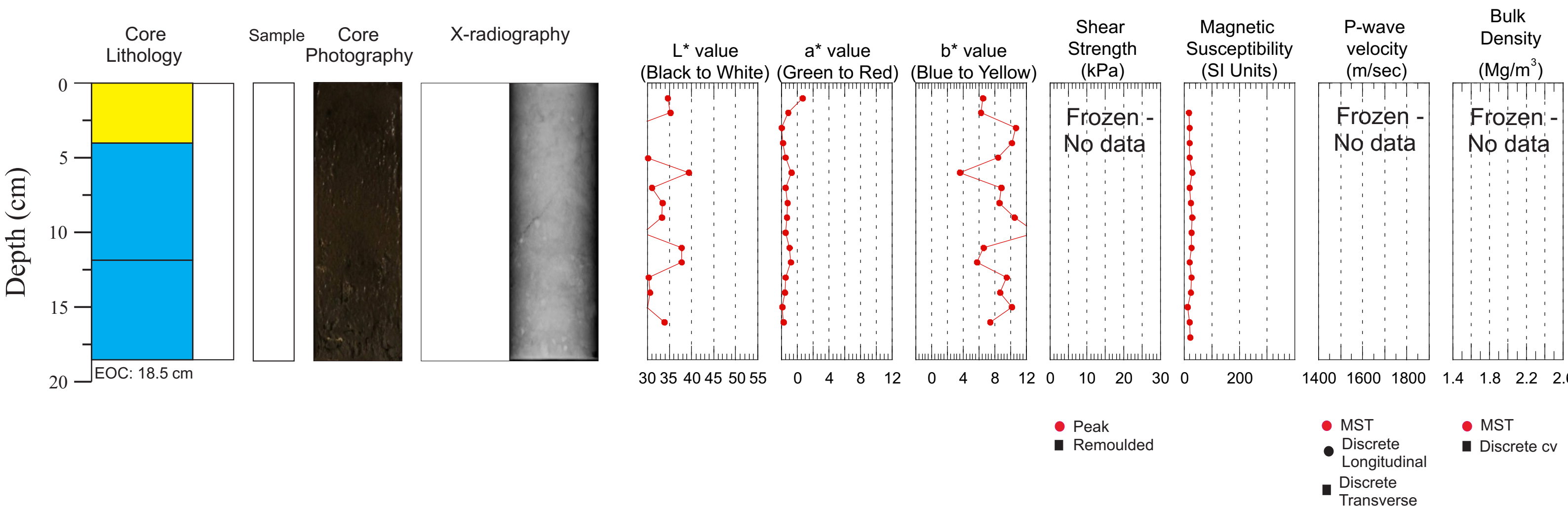
2010061 Phase3 0029A Push Core



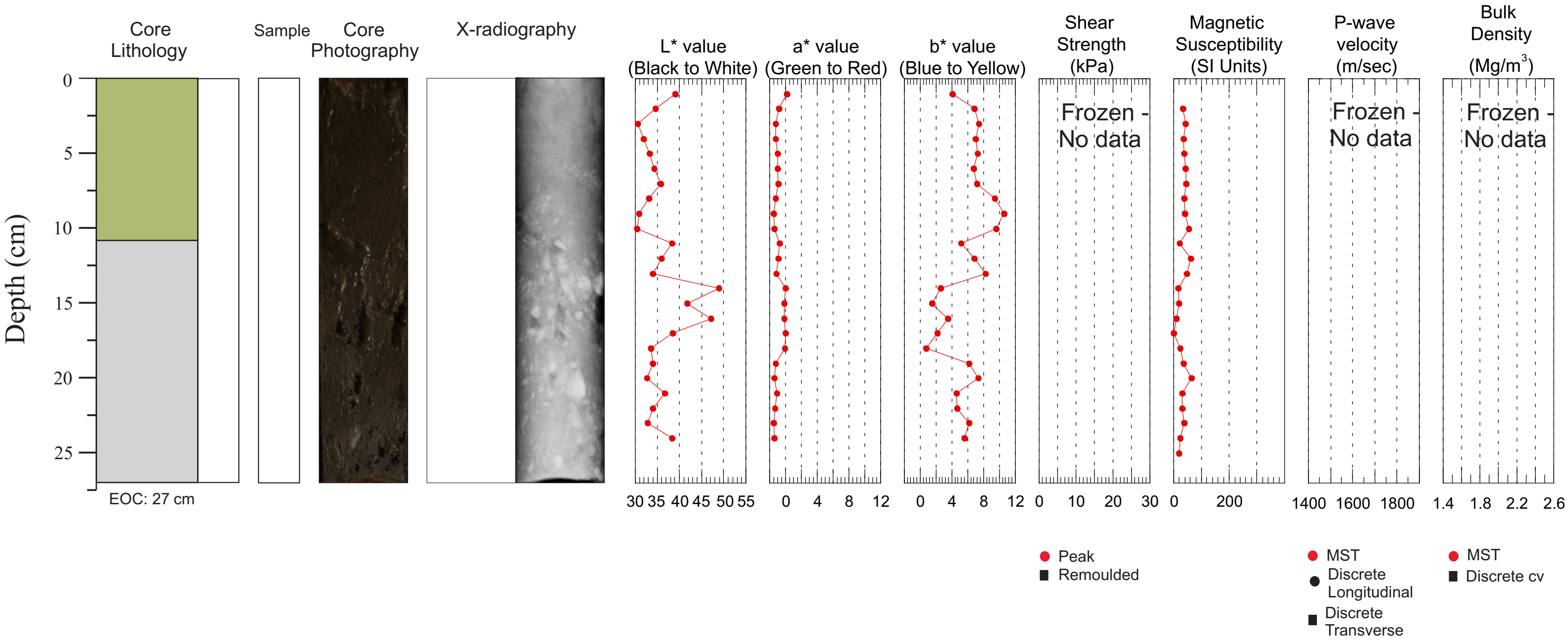
2010061 Phase3 0030A Push Core



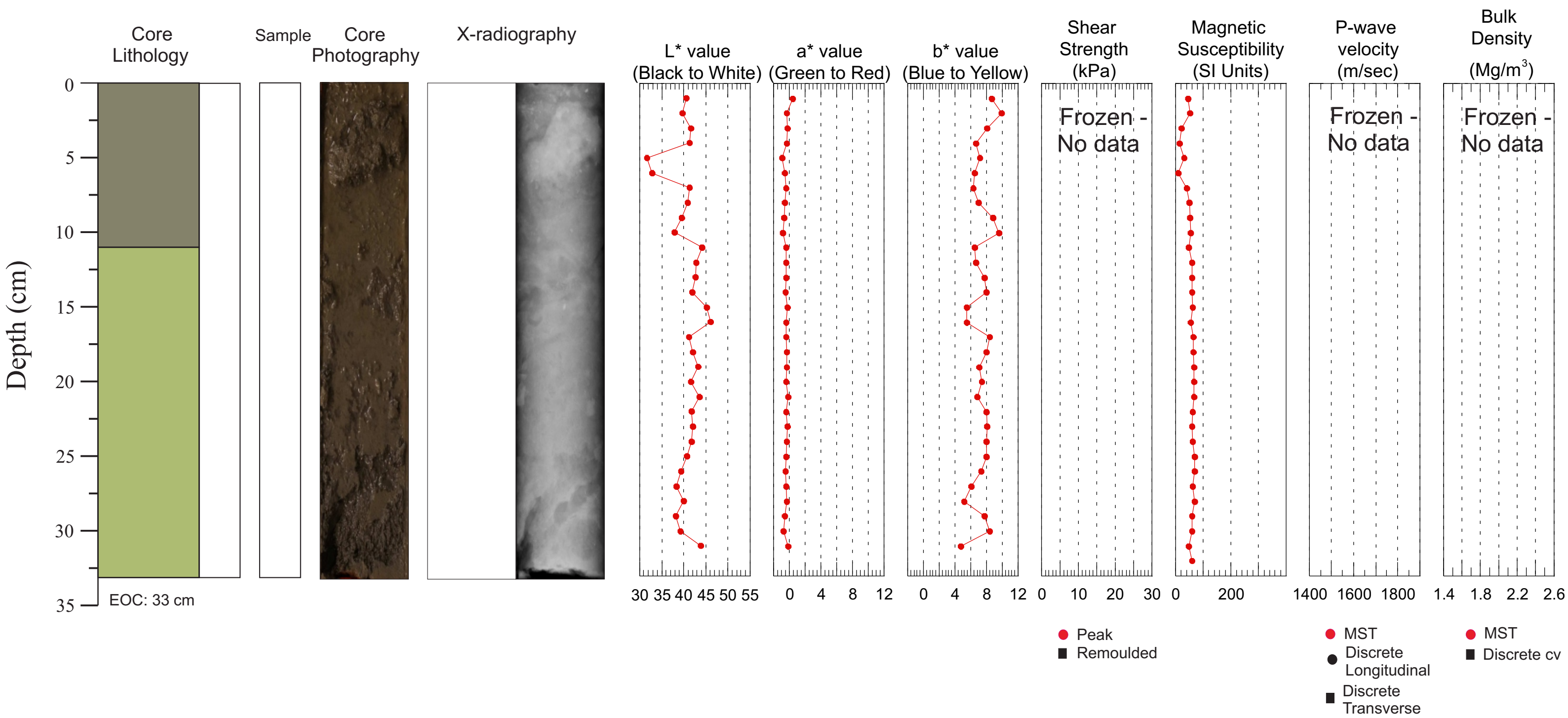
2010061 Phase3 0031A Push Core



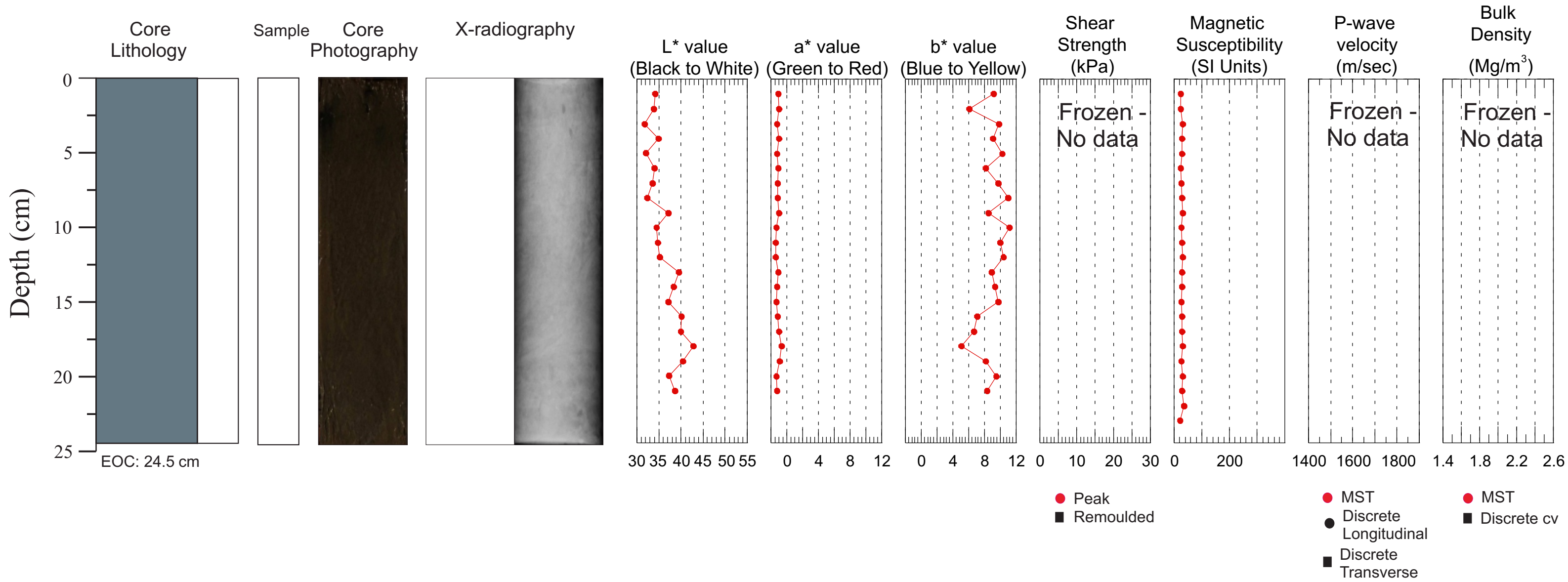
2010061 Phase3 0032A Push Core



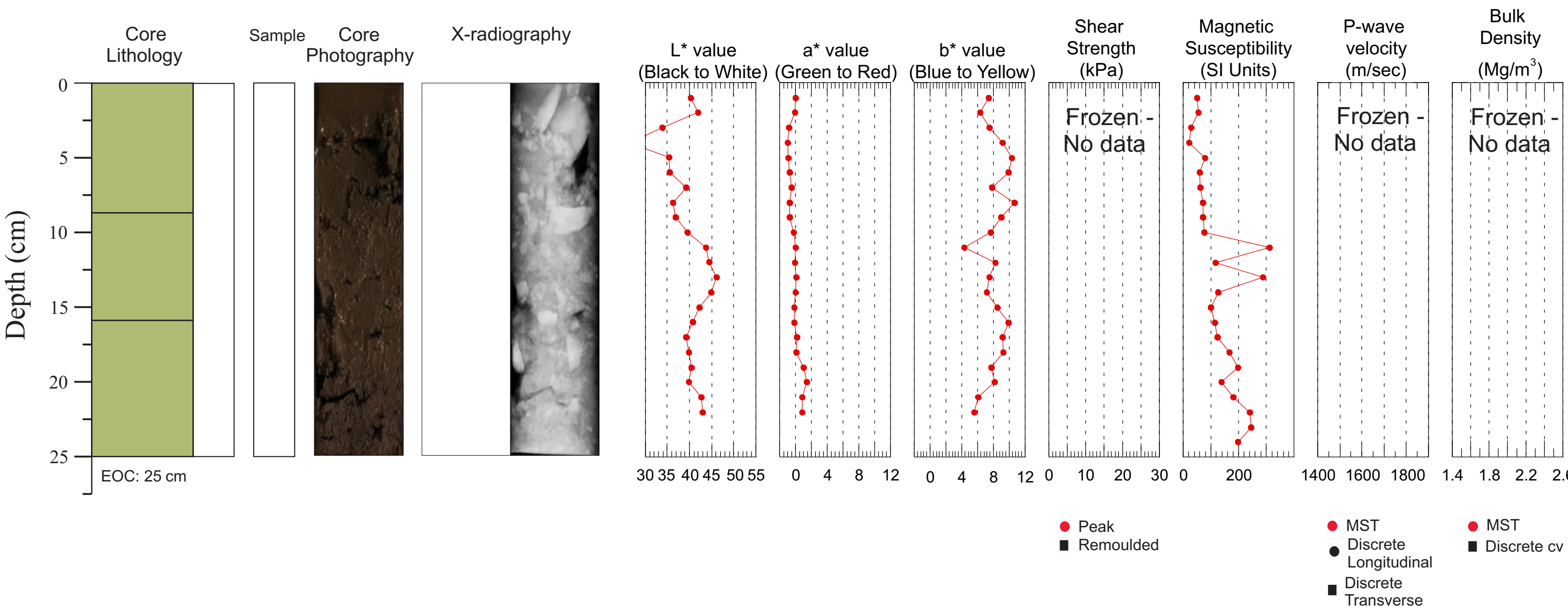
2010061 Phase3 0033A Push Core



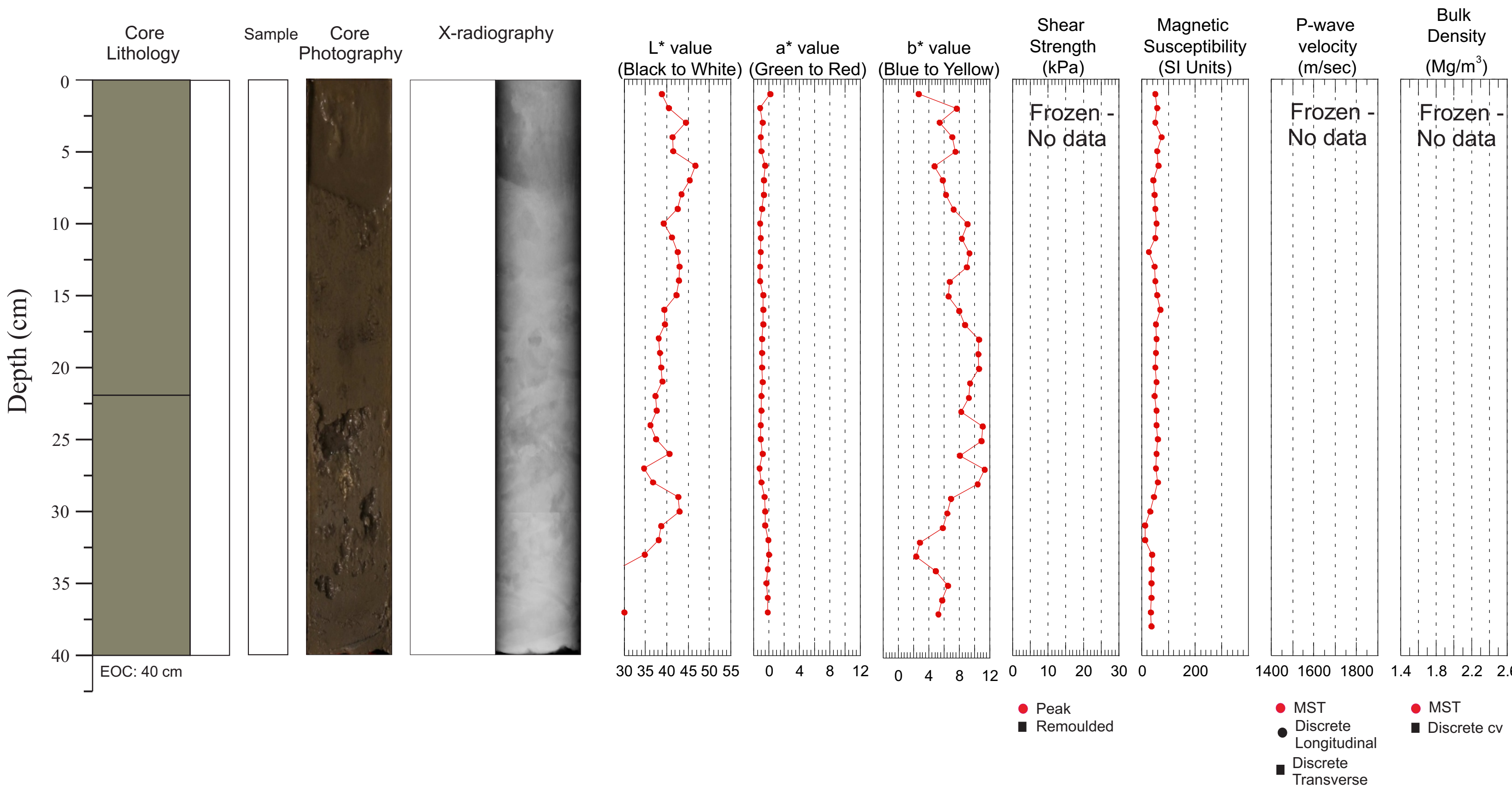
2010061 Phase3 0035A Push Core



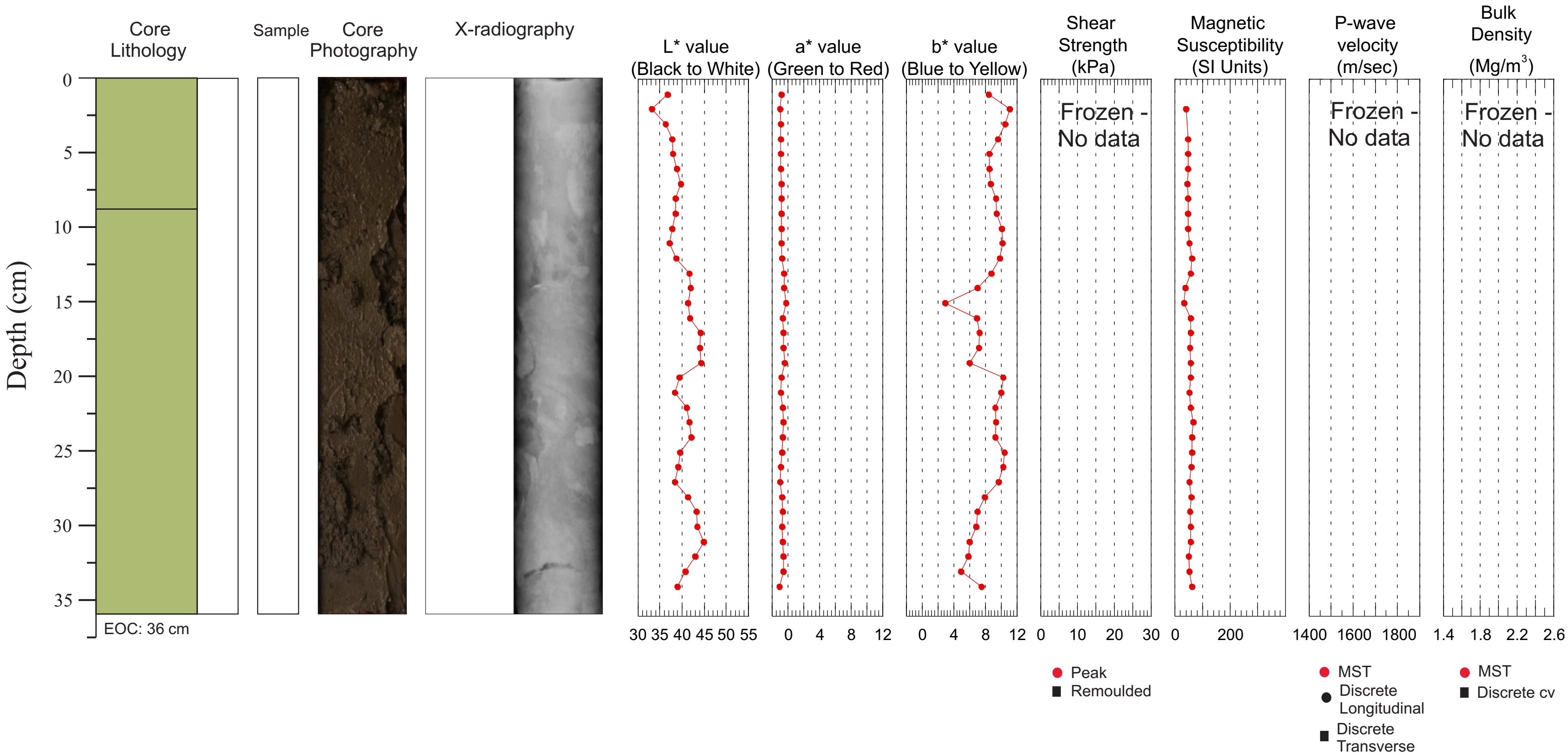
2010061 Phase3 0036A Push Core



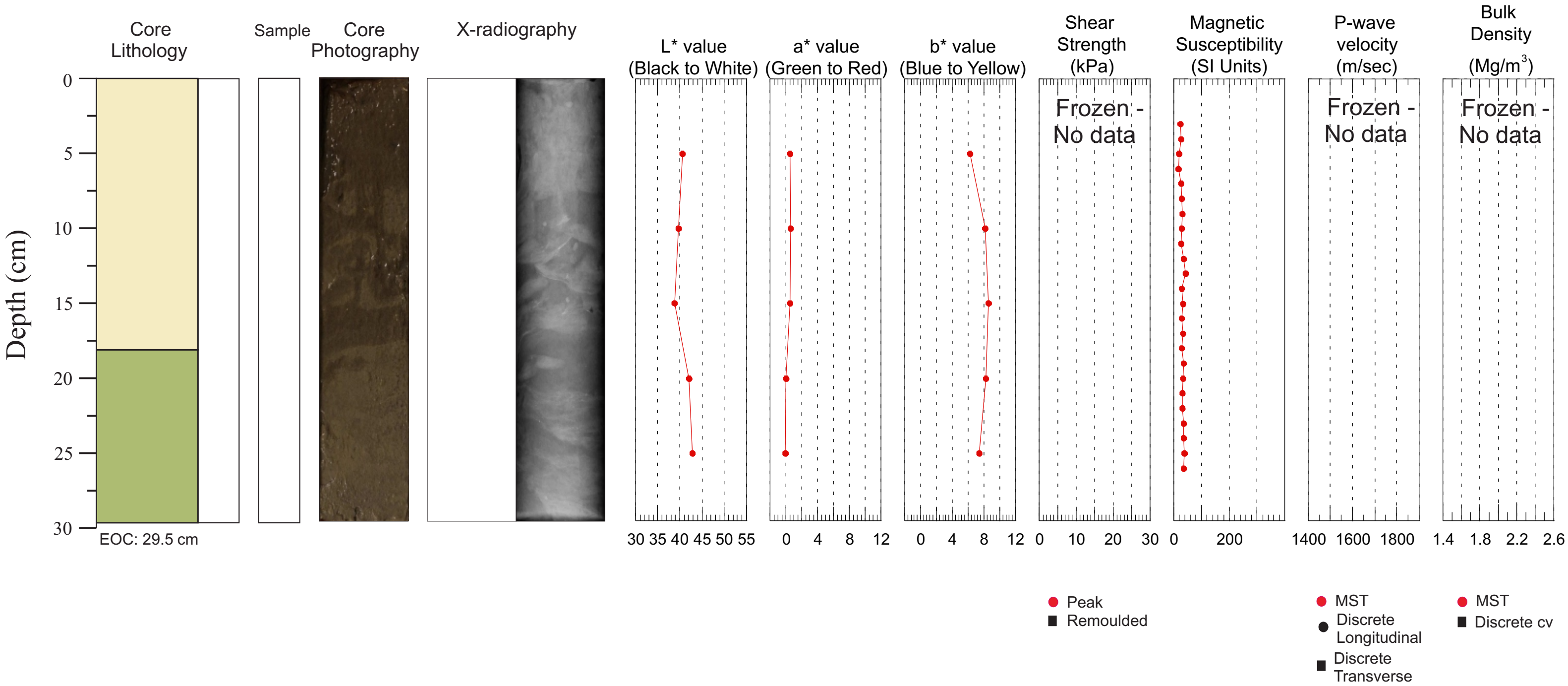
2010061 Phase3 0038A Push Core



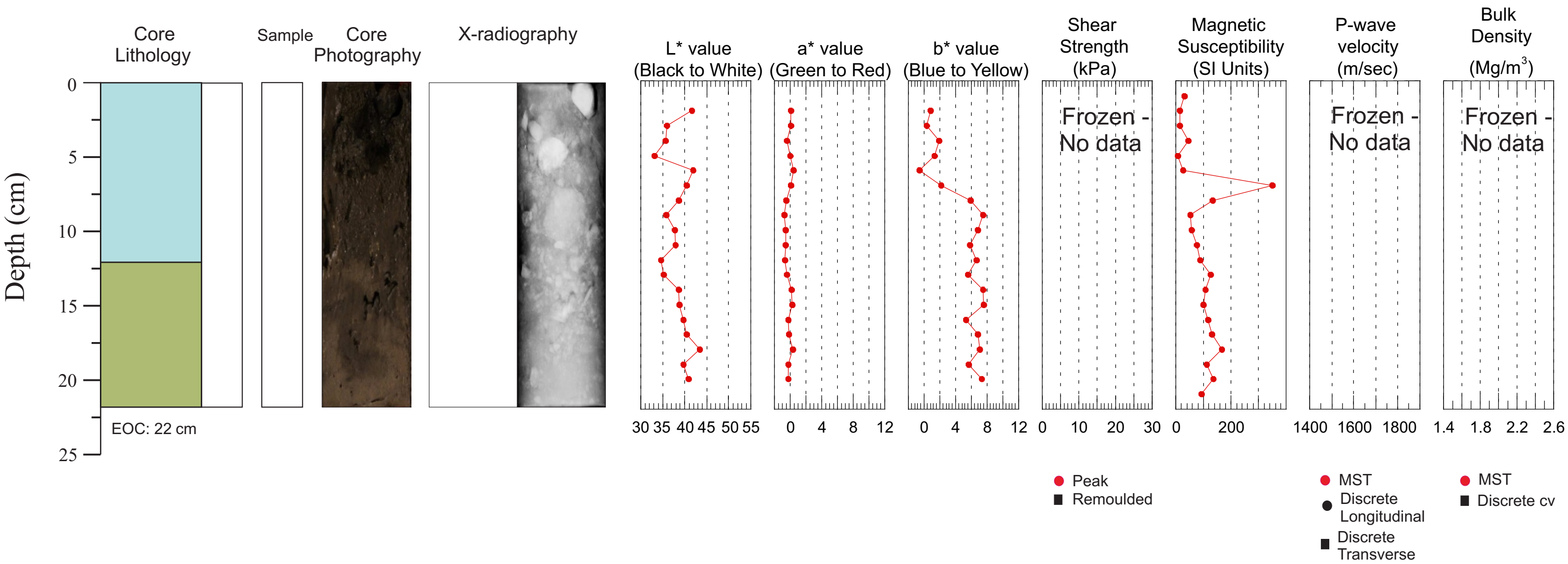
2010061 Phase3 0039A Push Core



2010061 Phase3 0040A Push Core



2010061 Phase3 0044A Push Core



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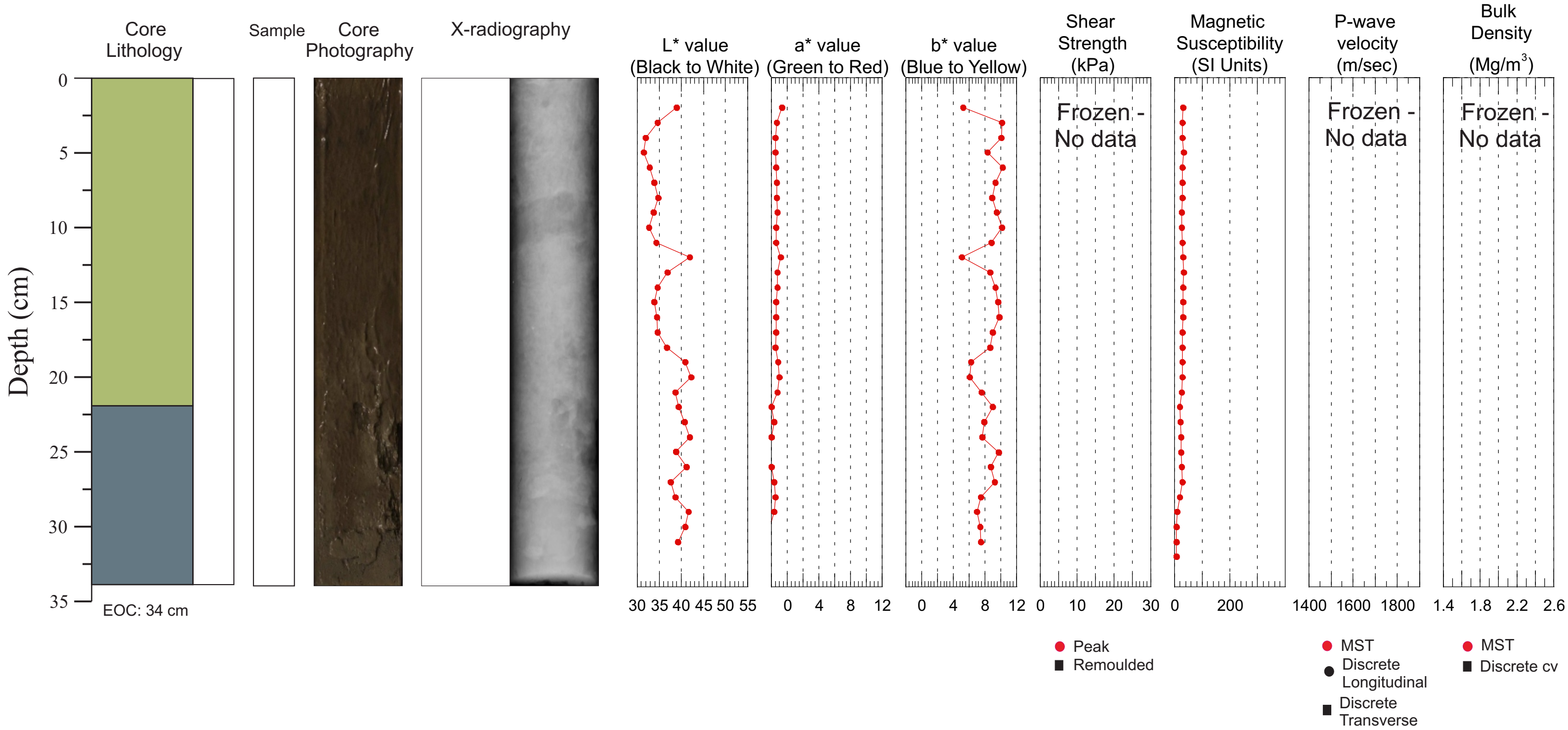
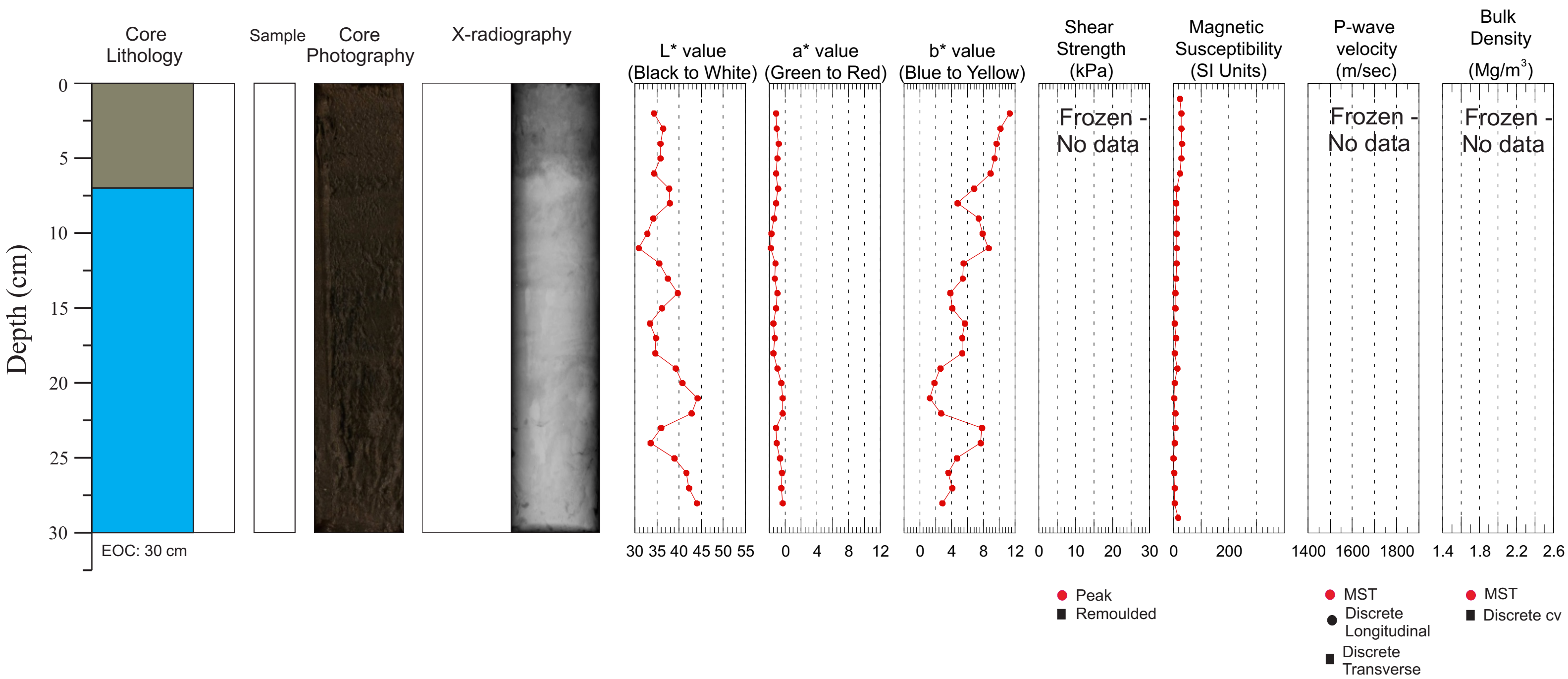


2010061 Phase3 0046A Push Core



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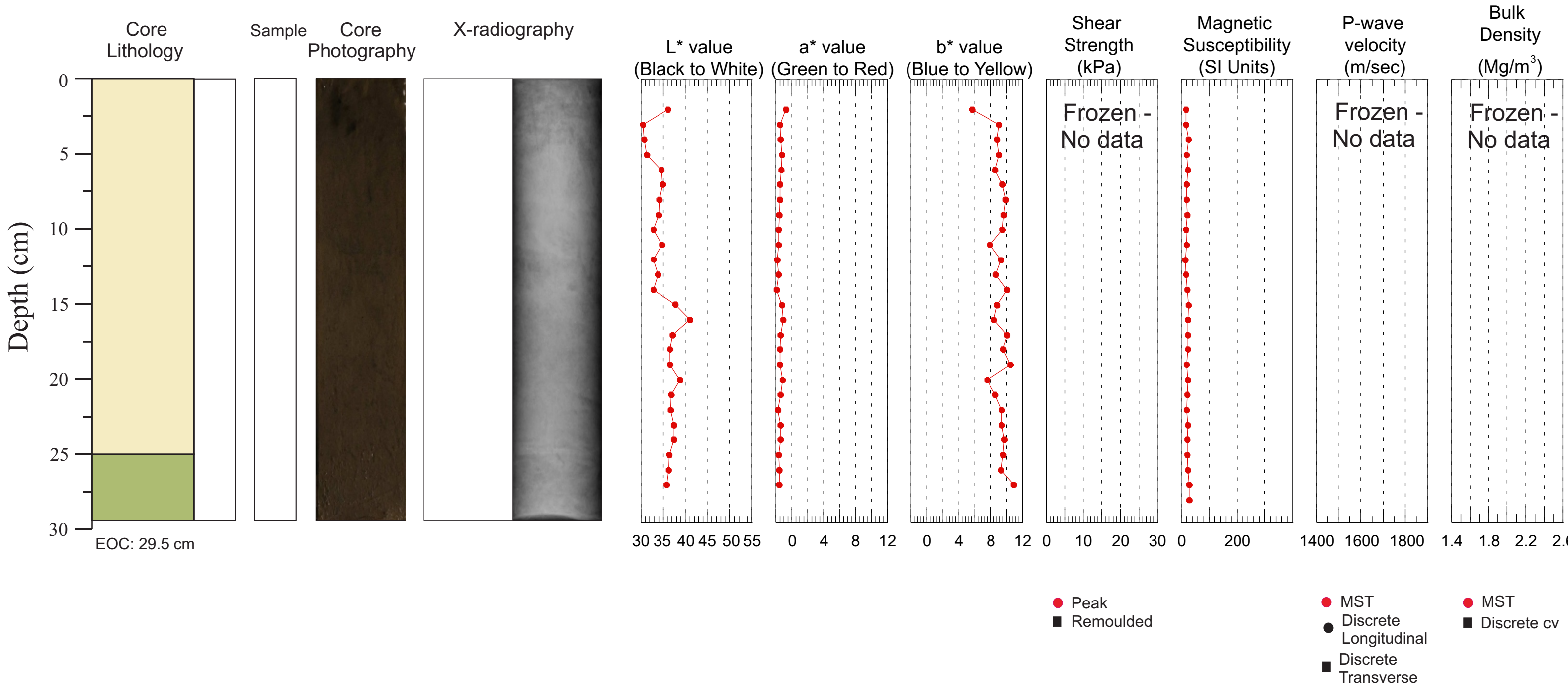

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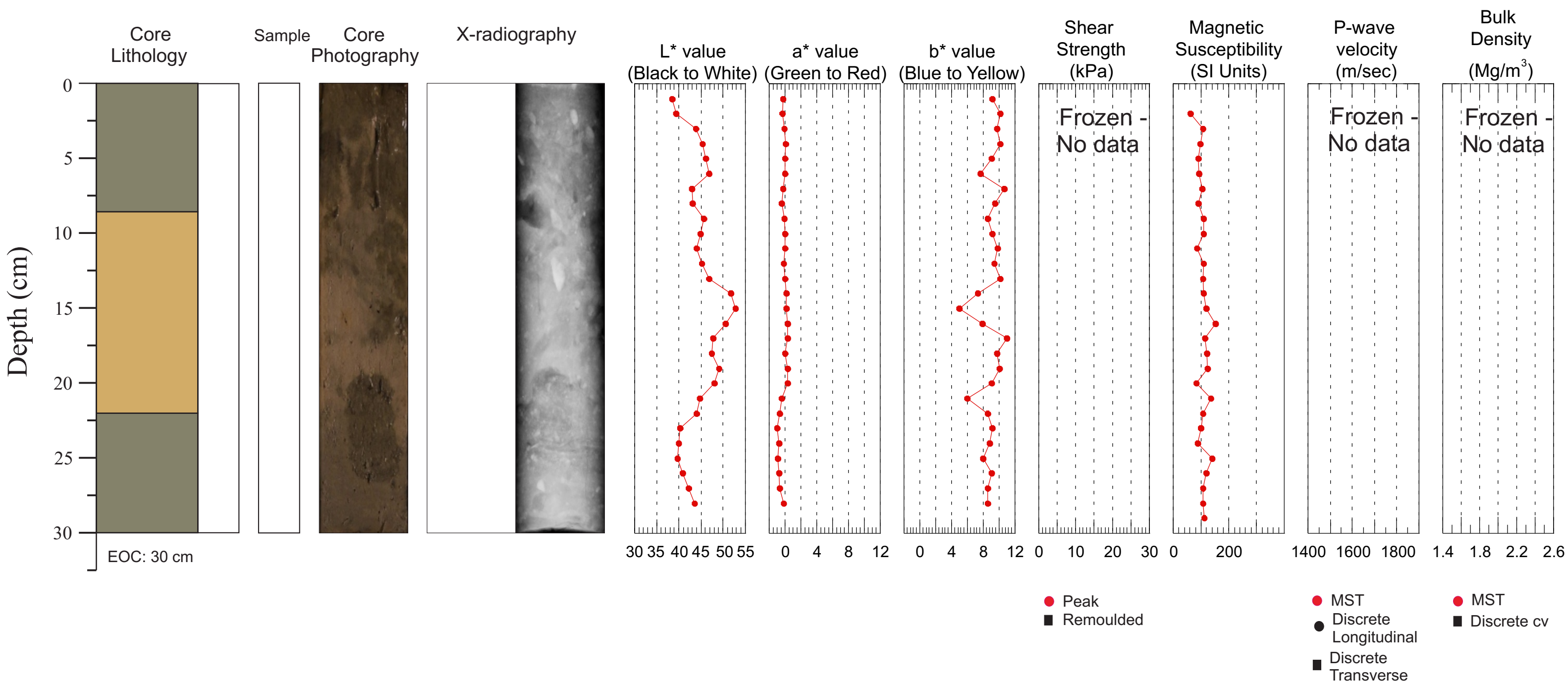

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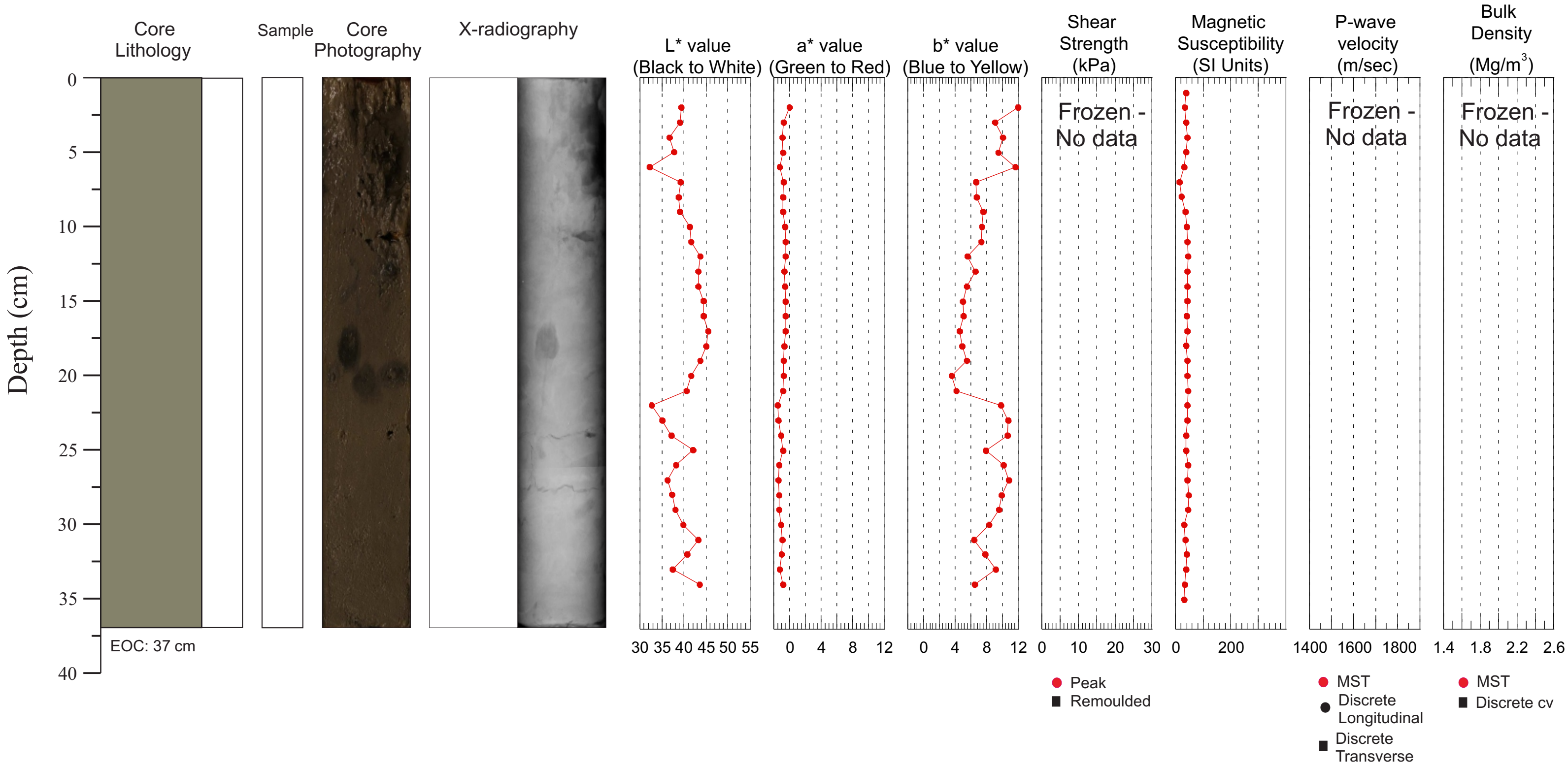

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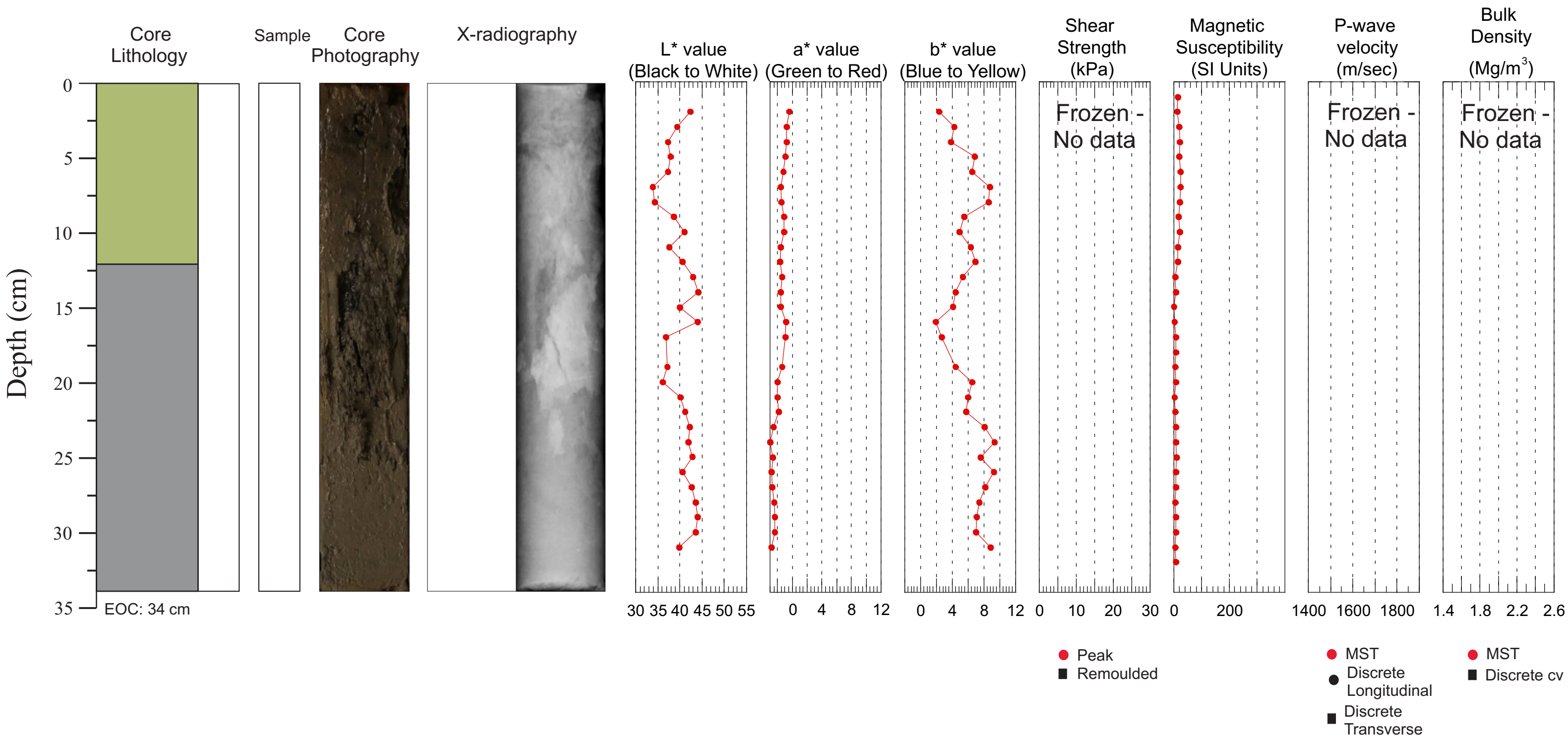

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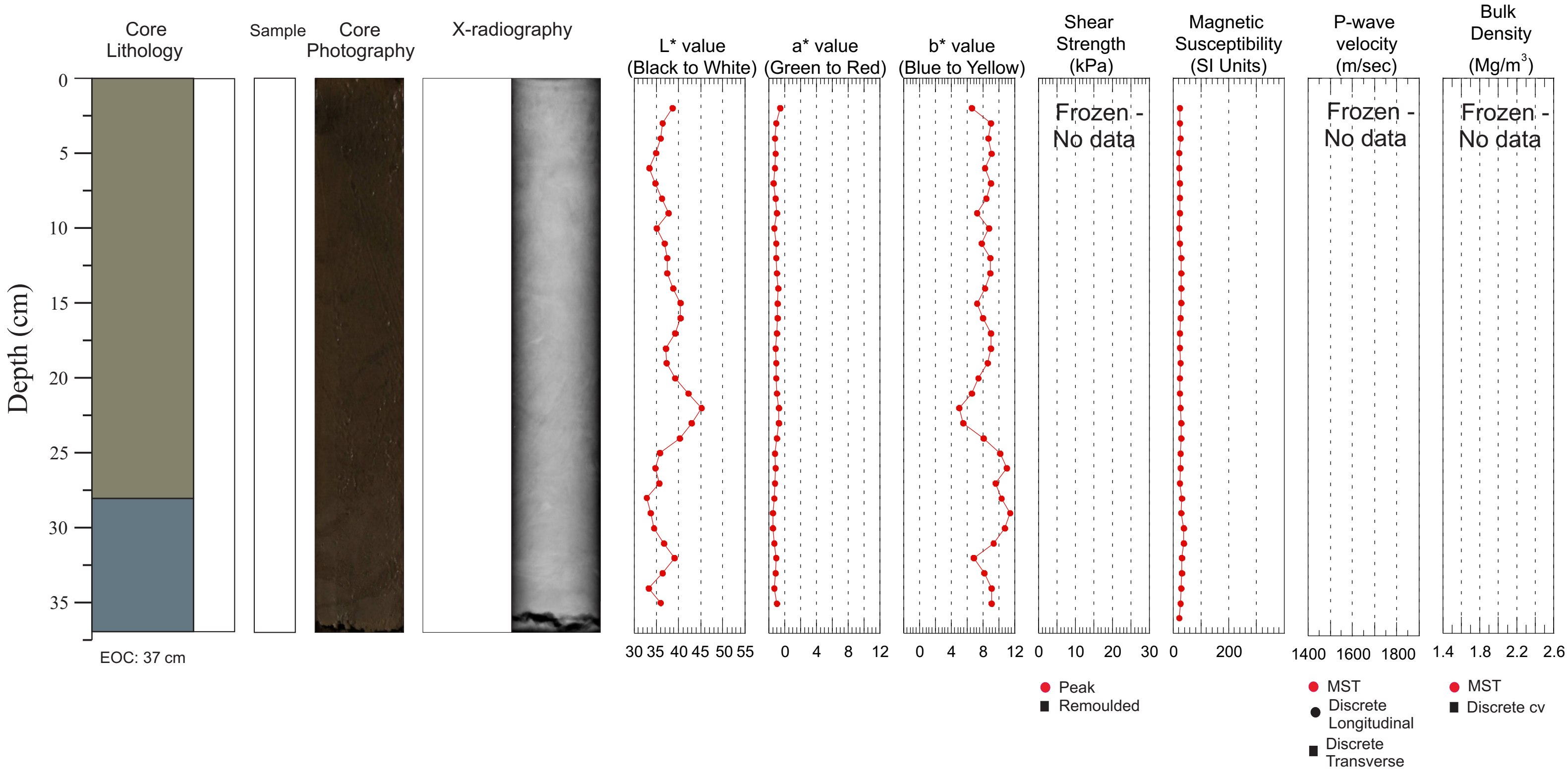

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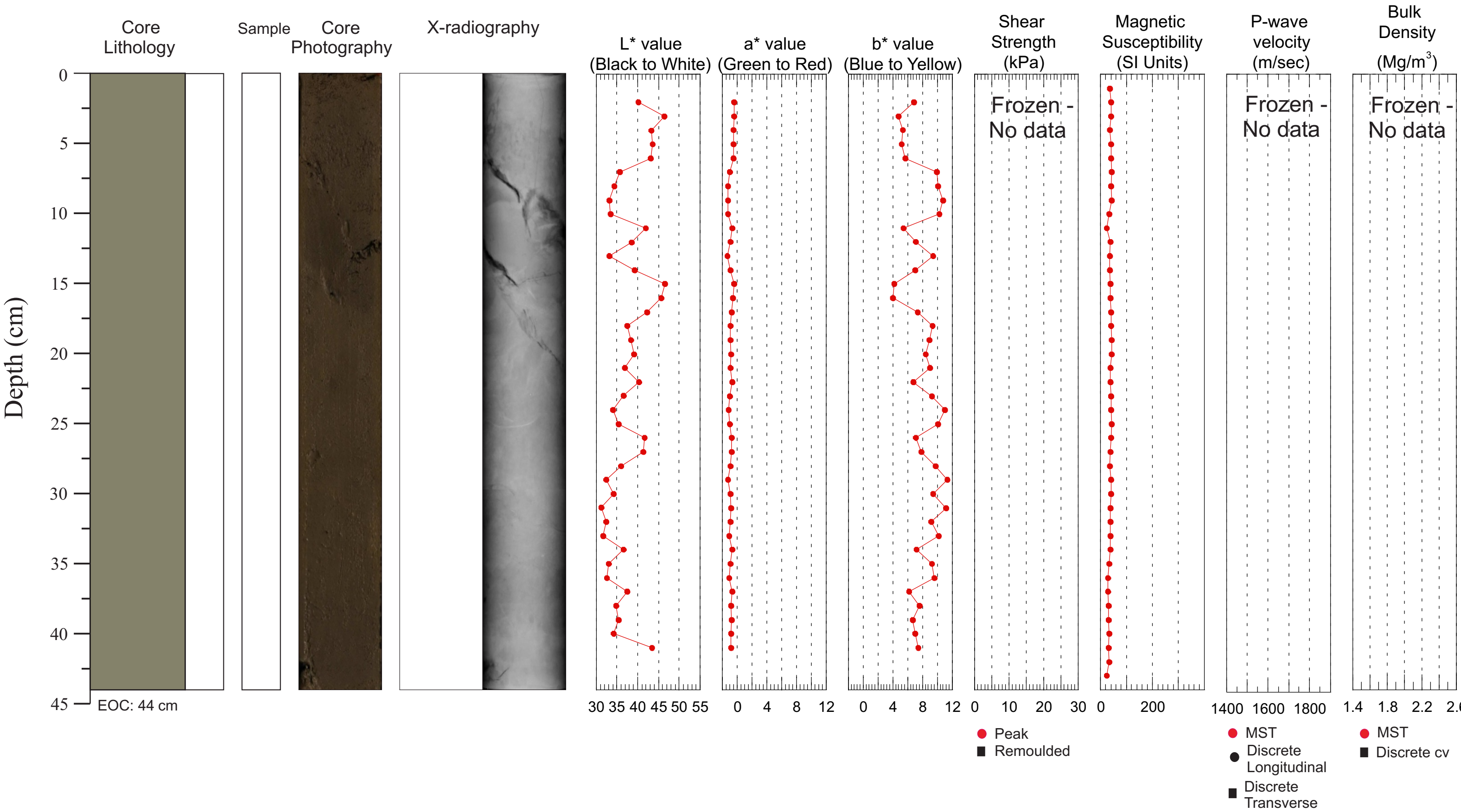

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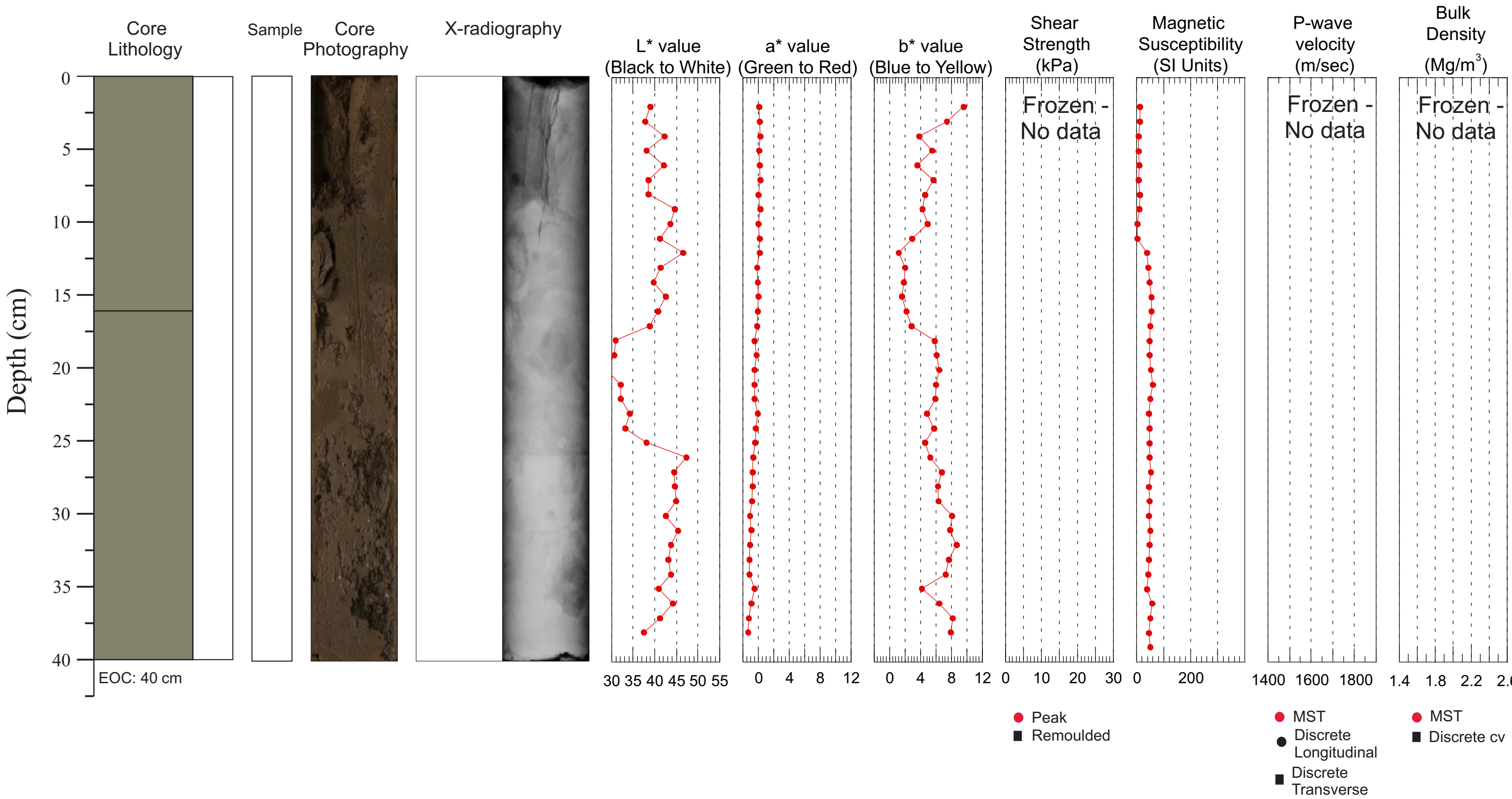

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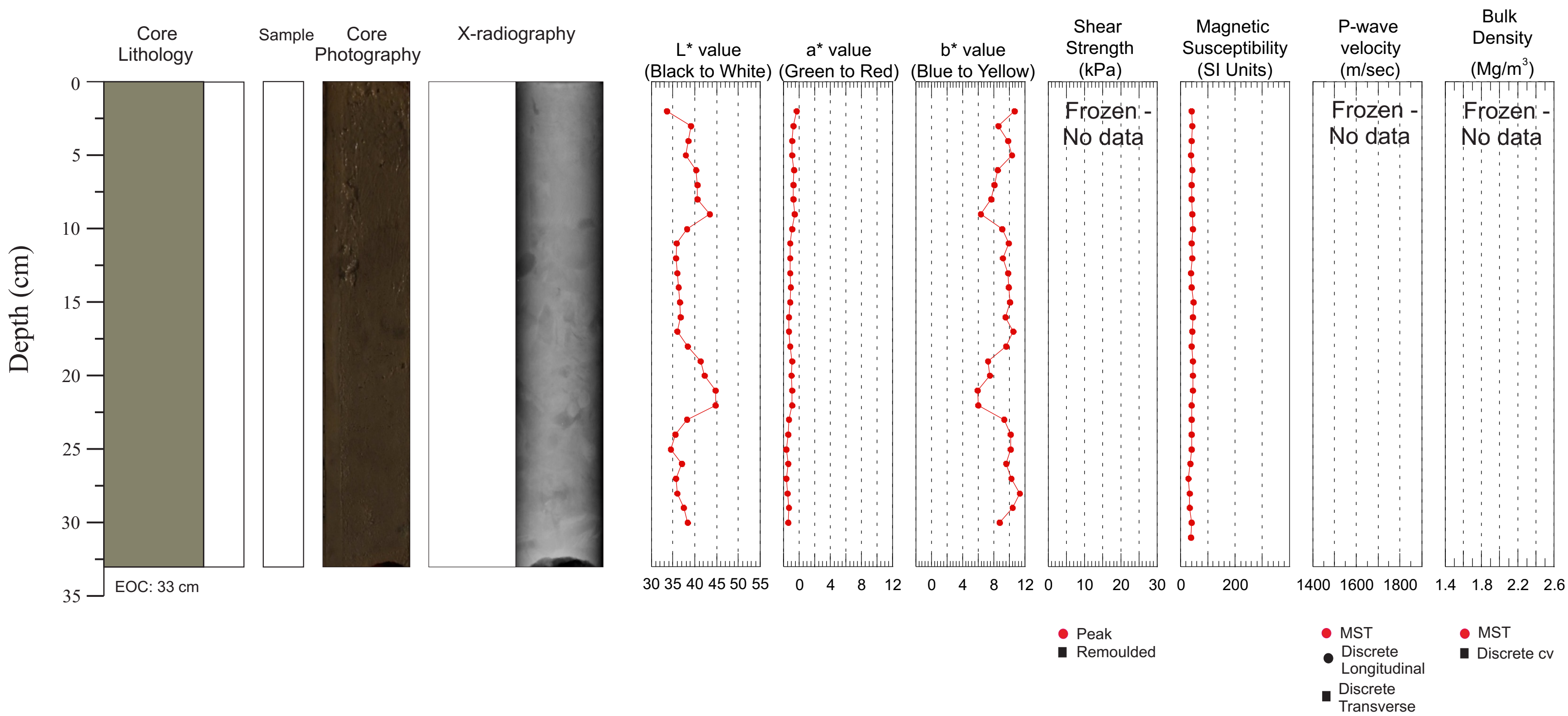

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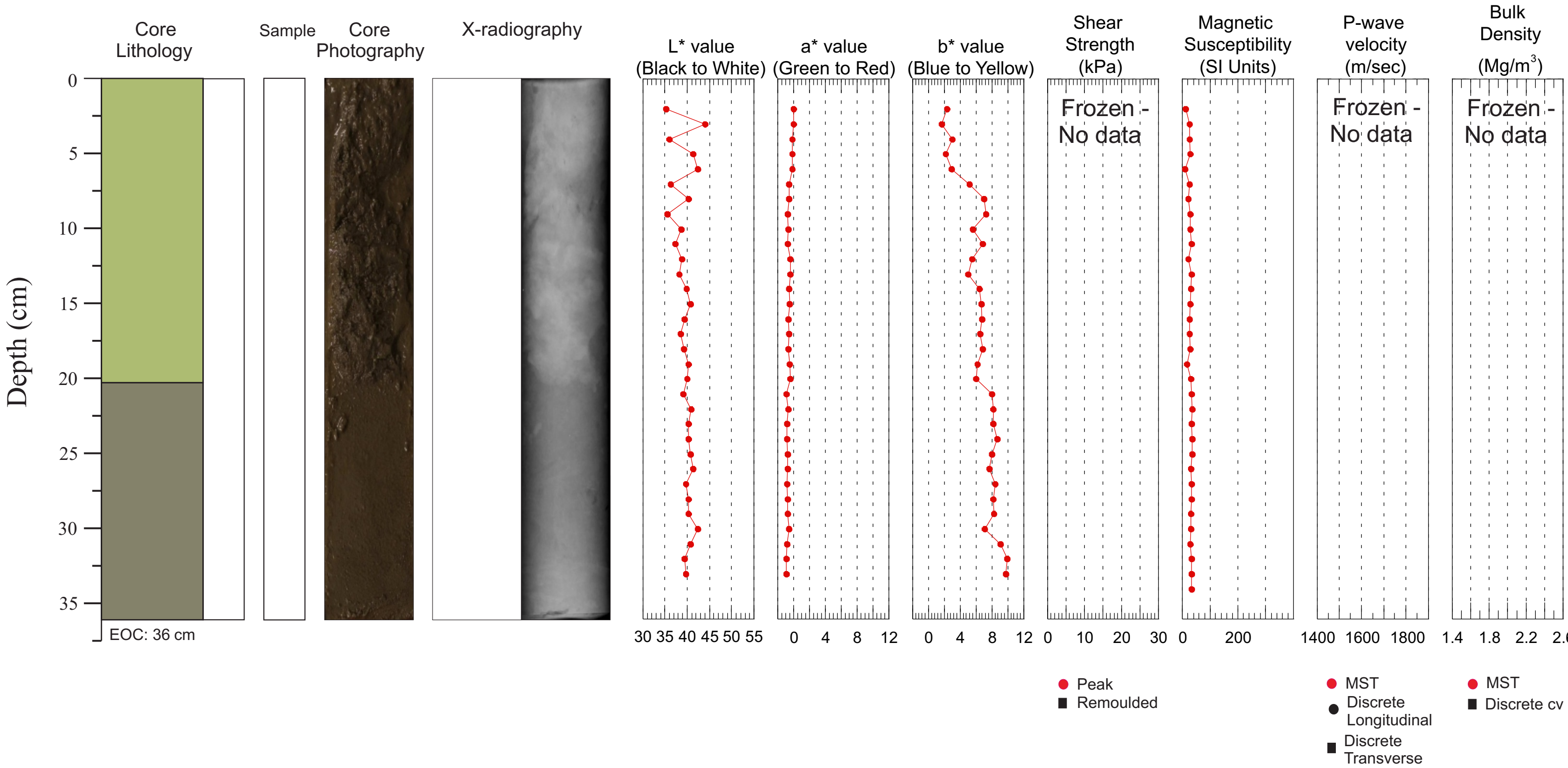

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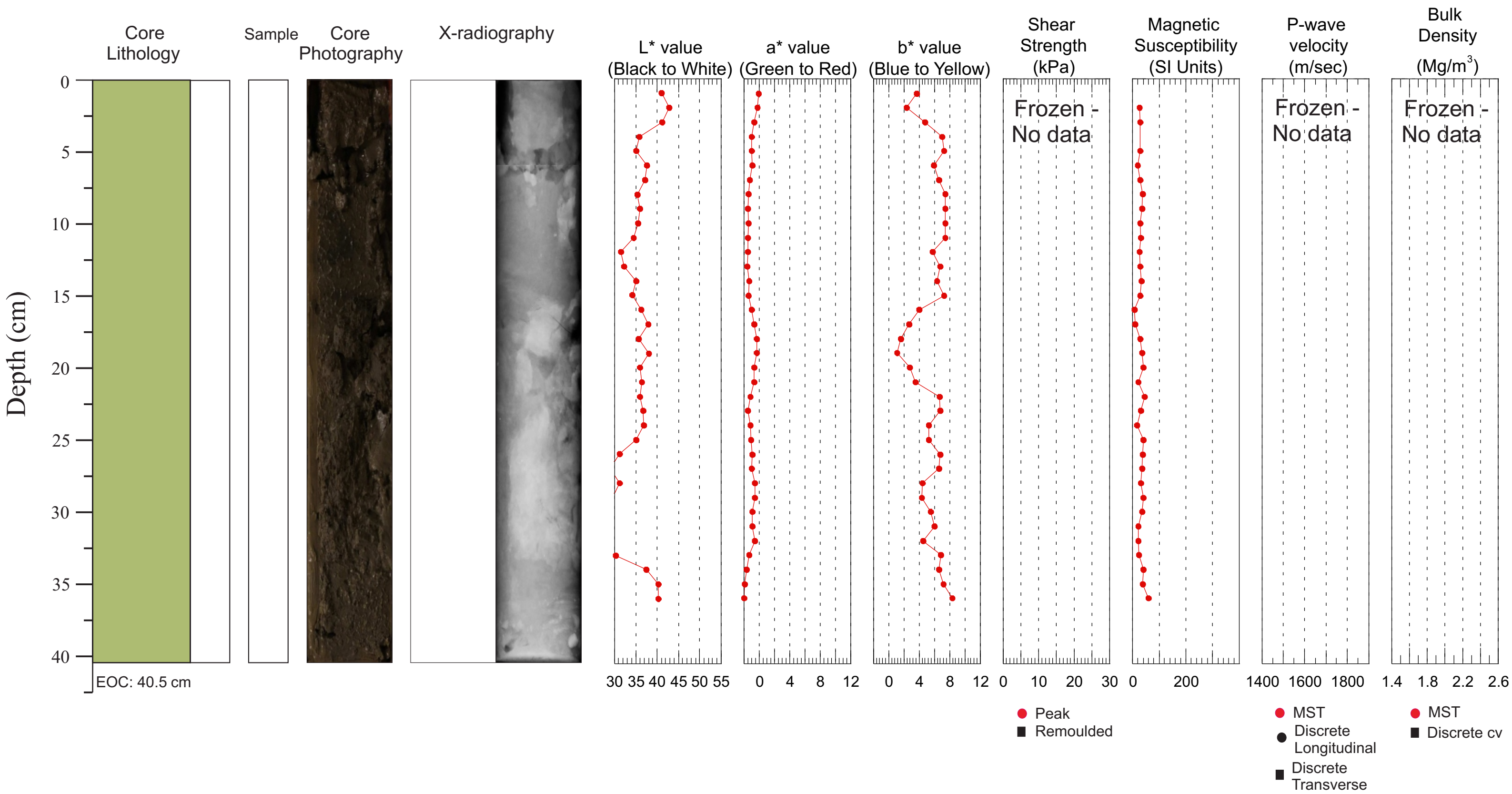
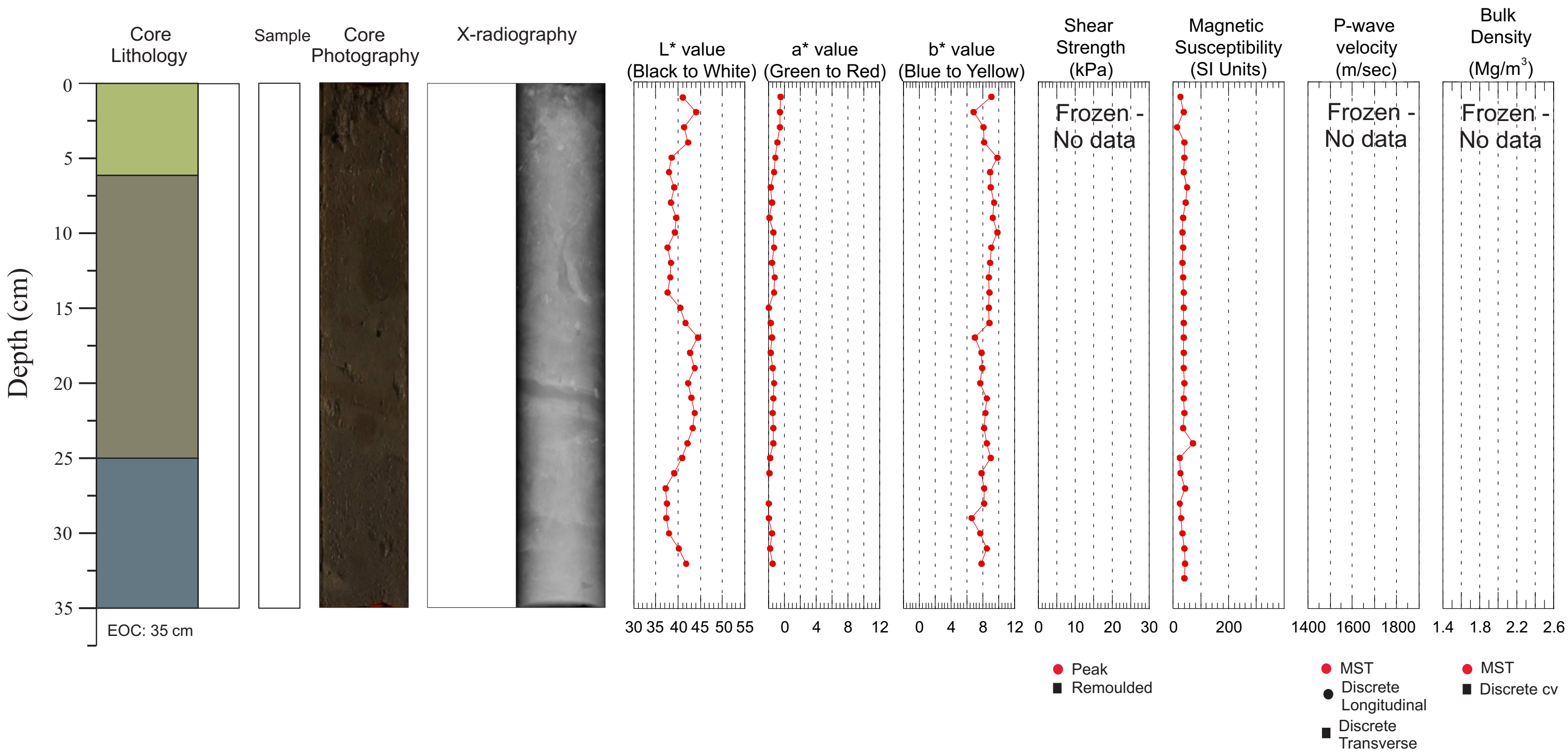


2010061 Phase3 0058A Push Core



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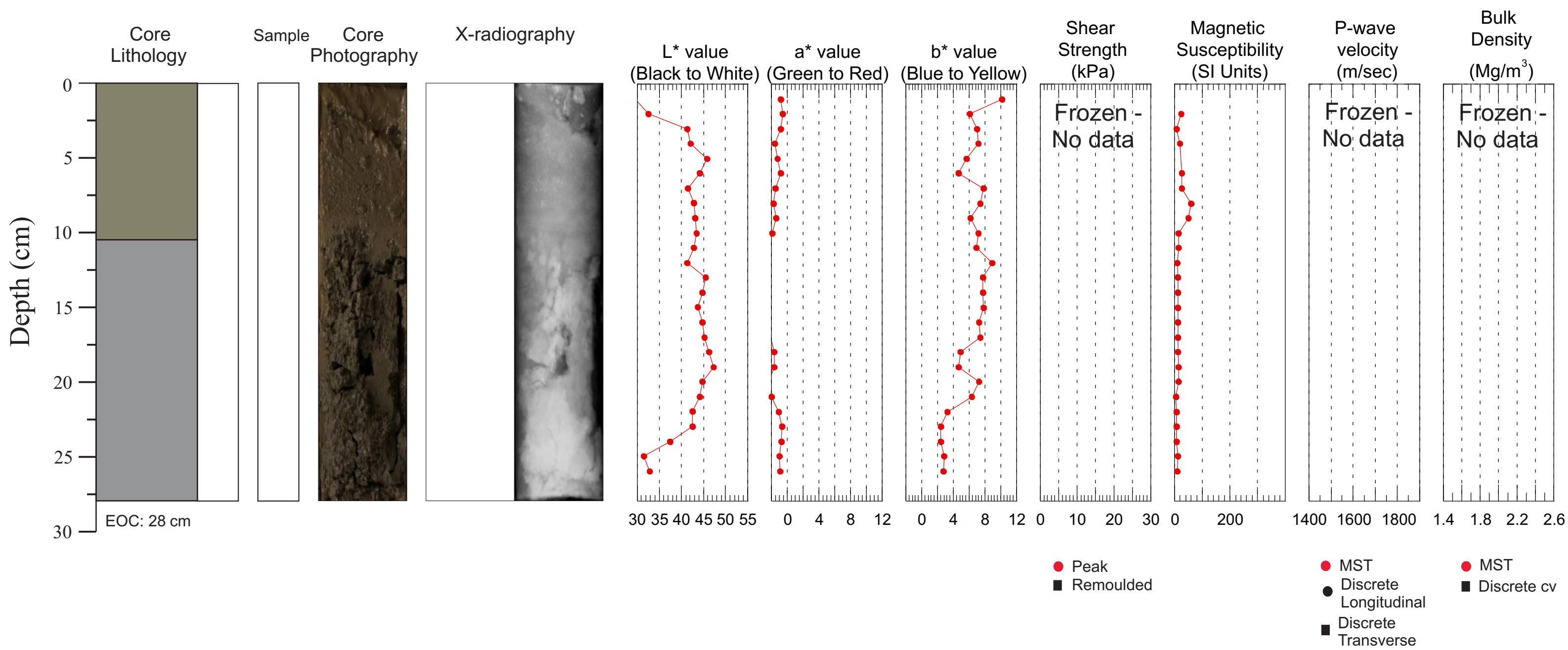

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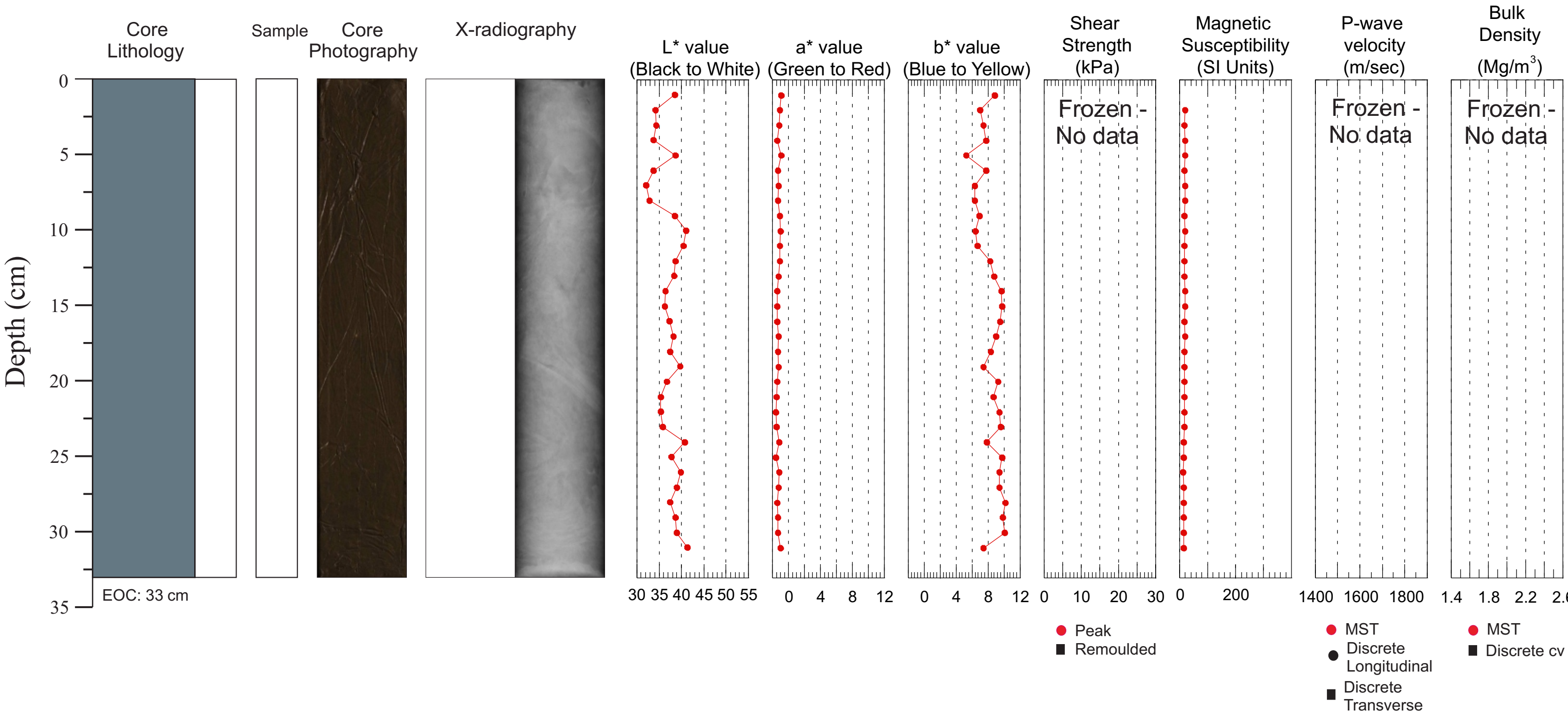

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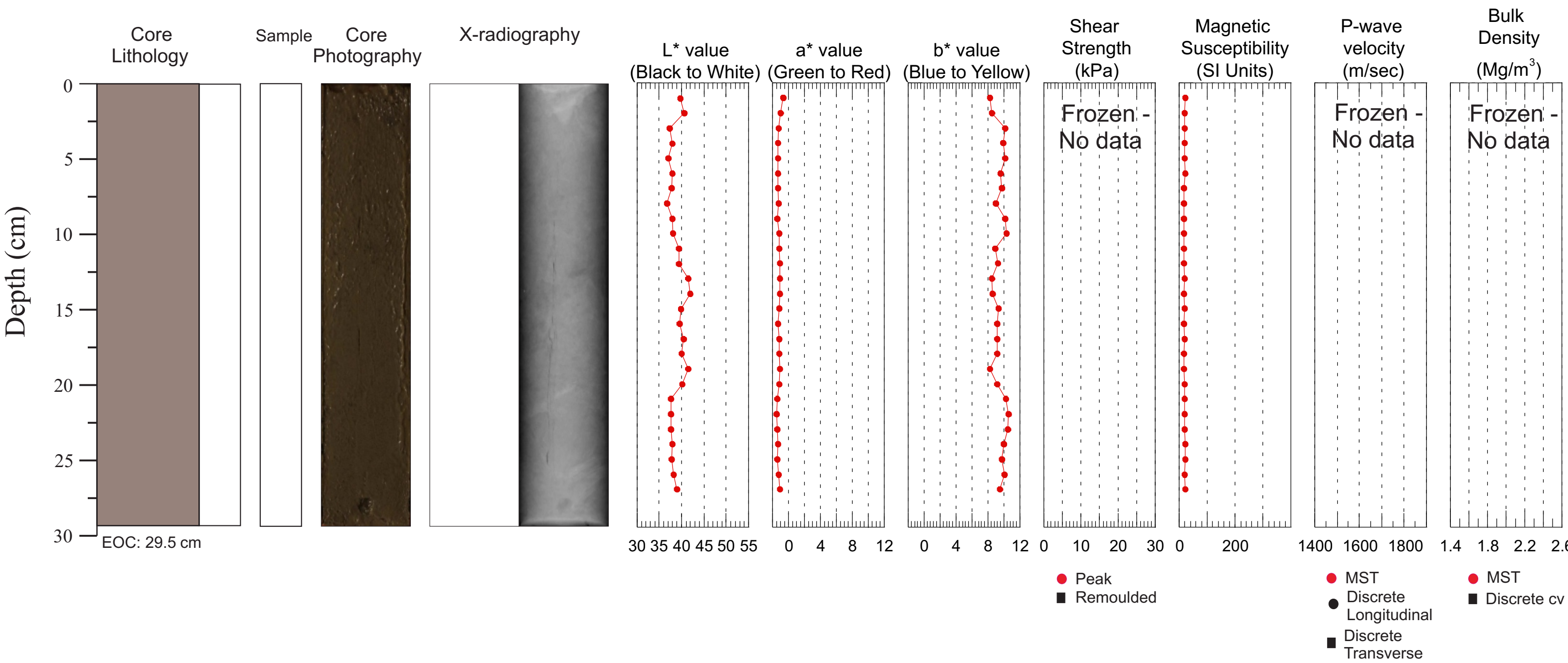

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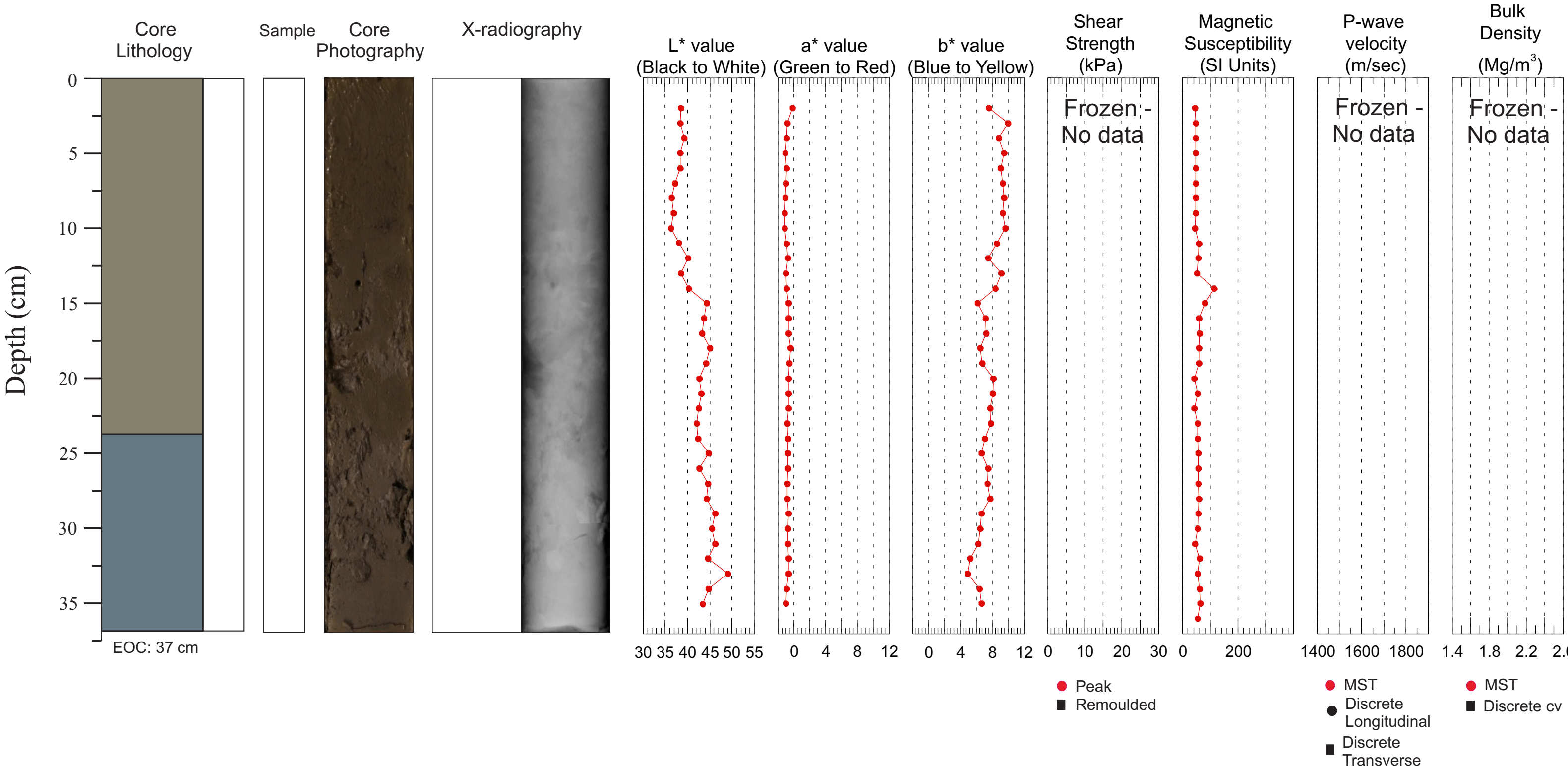

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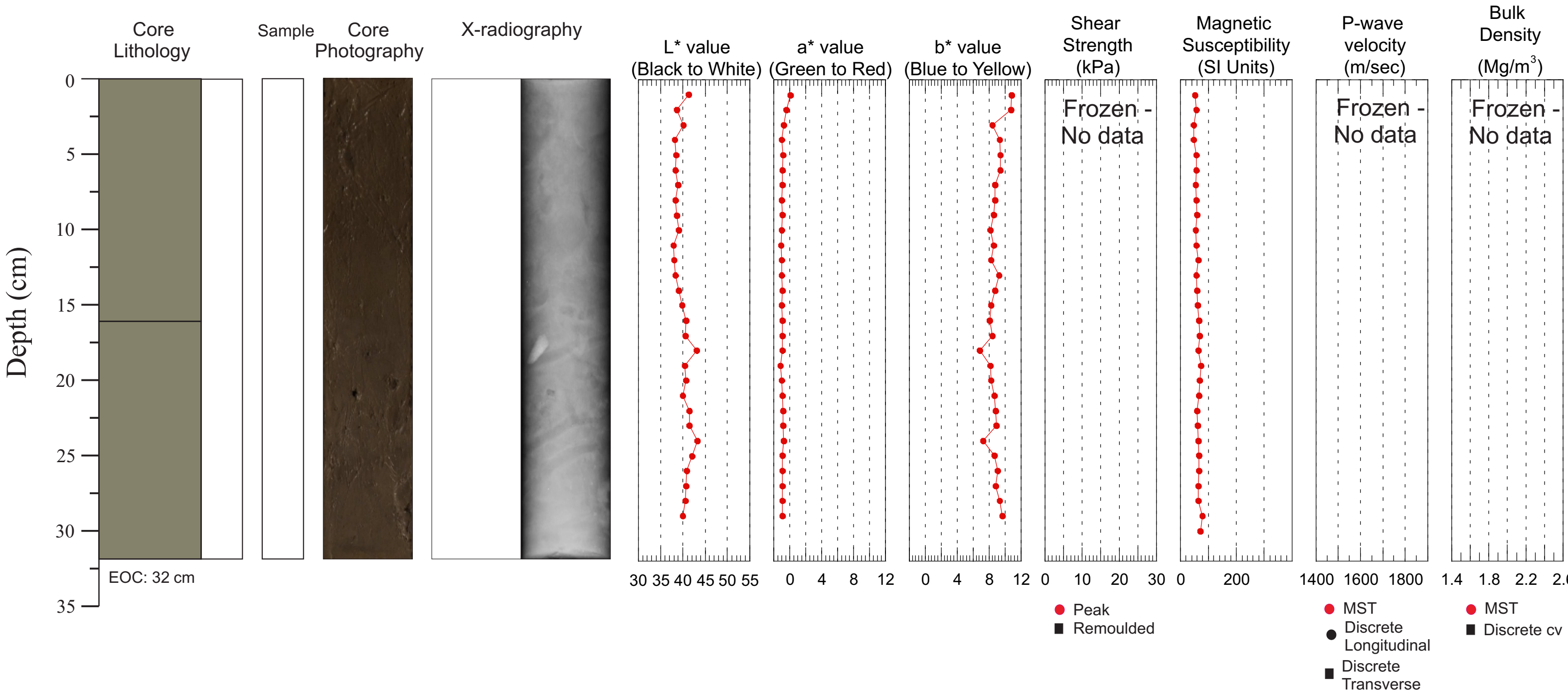
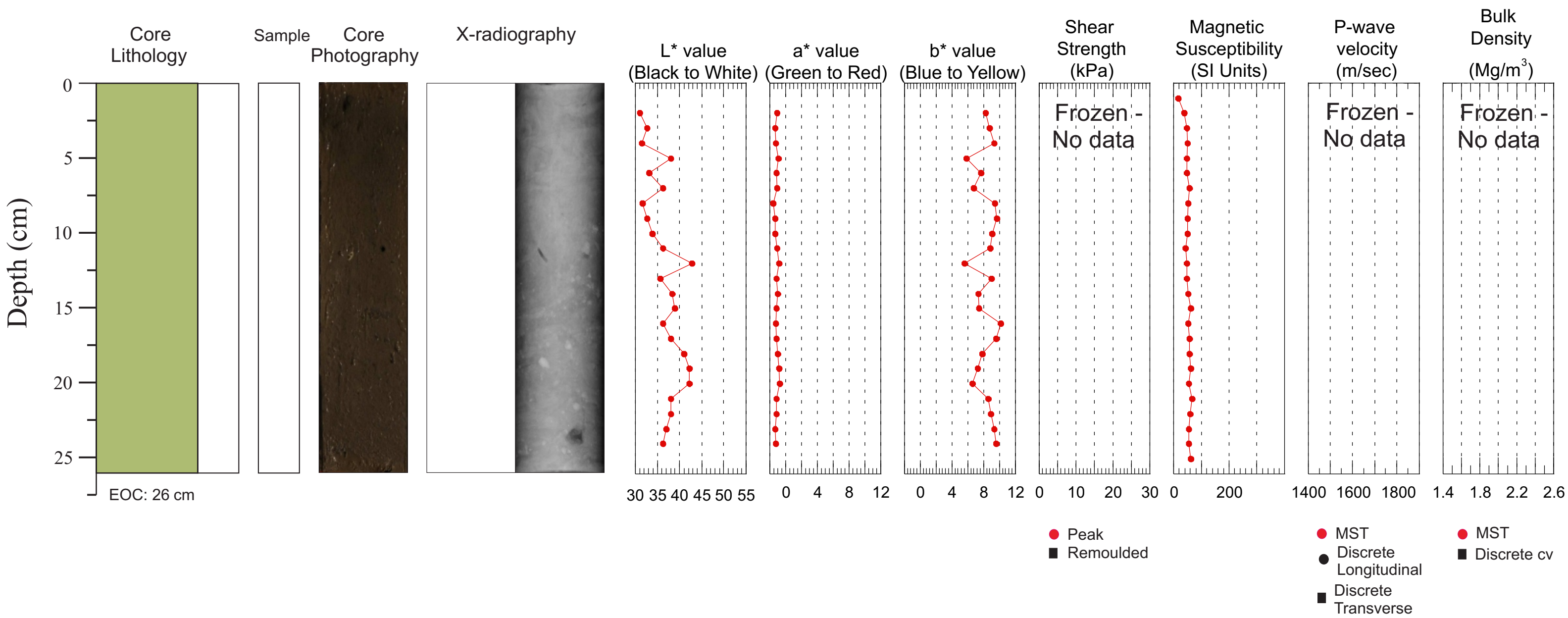


2010061 Phase3 0064A Push Core



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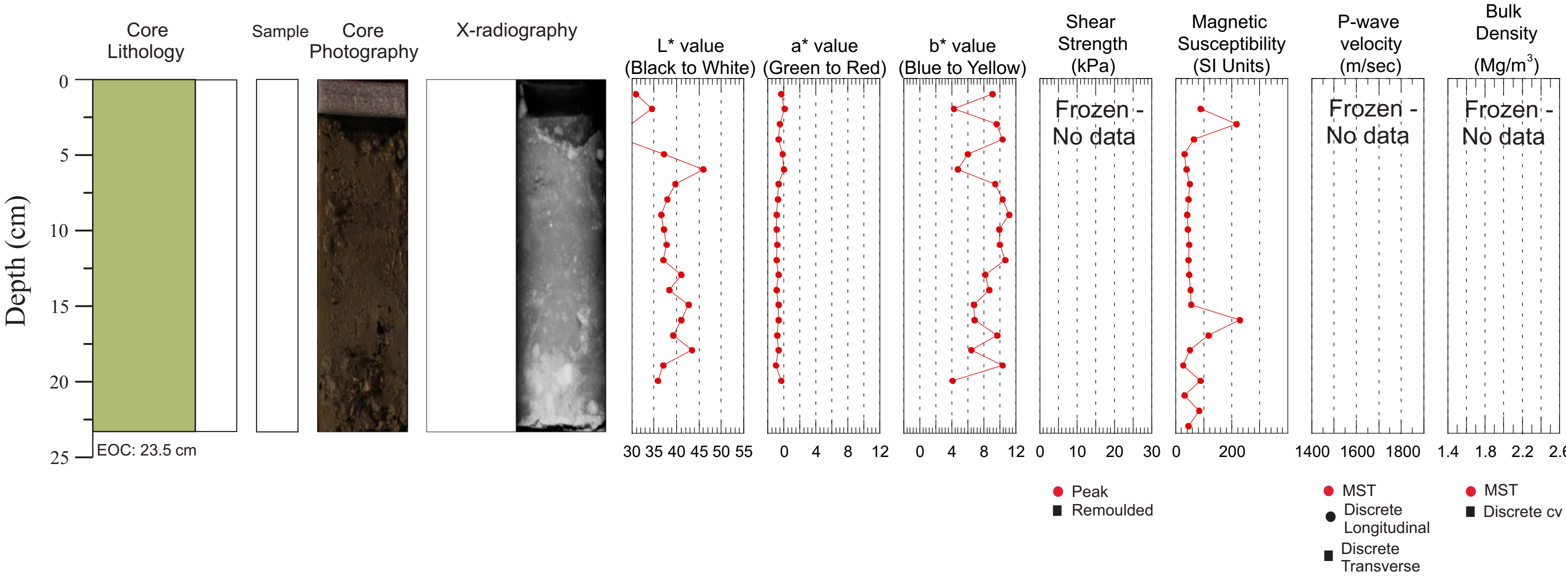

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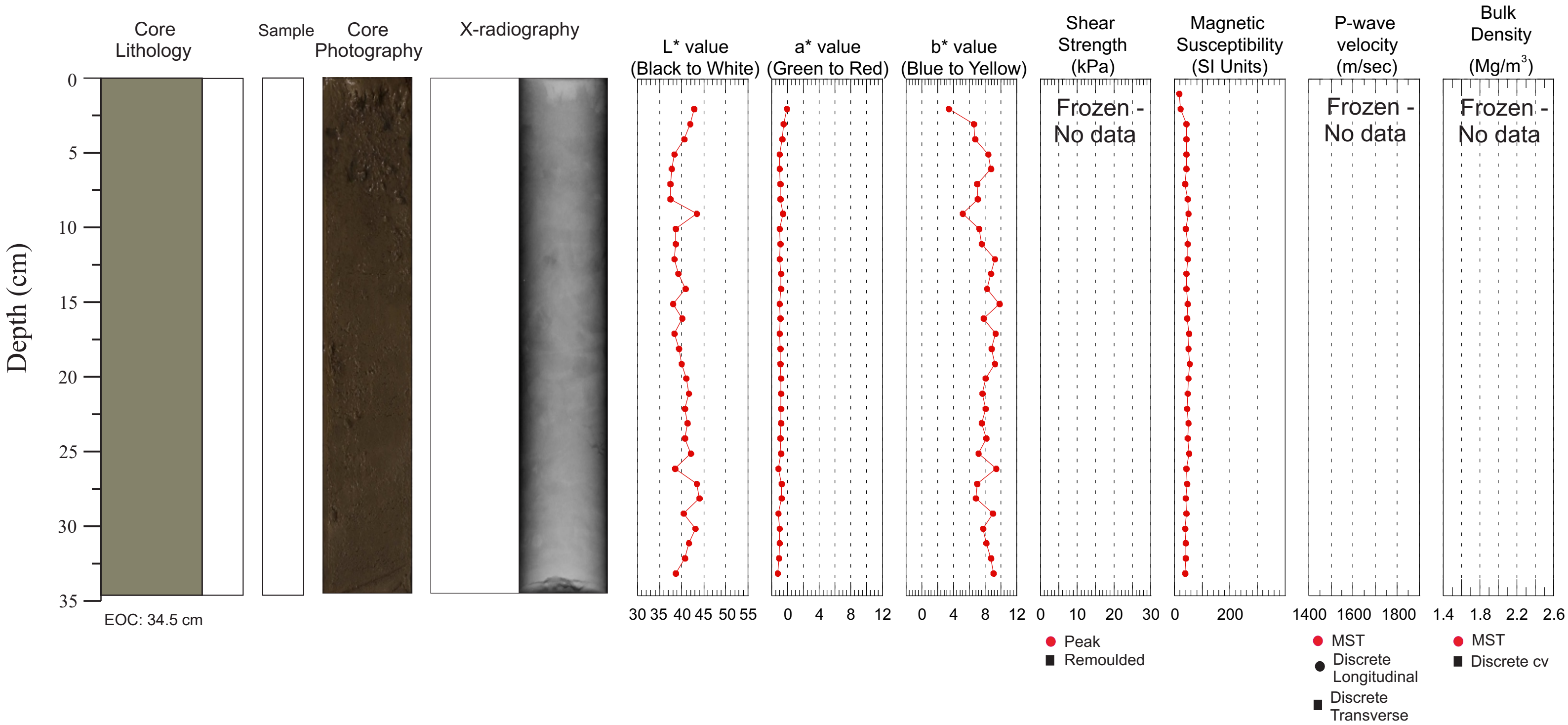

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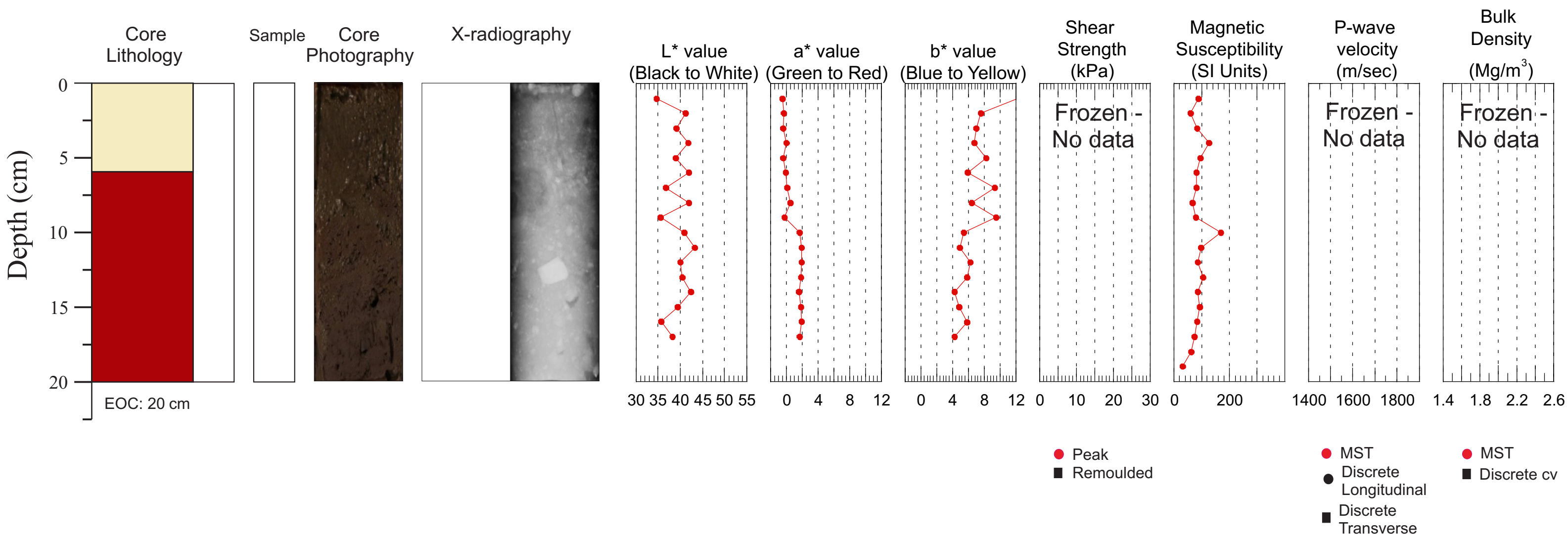

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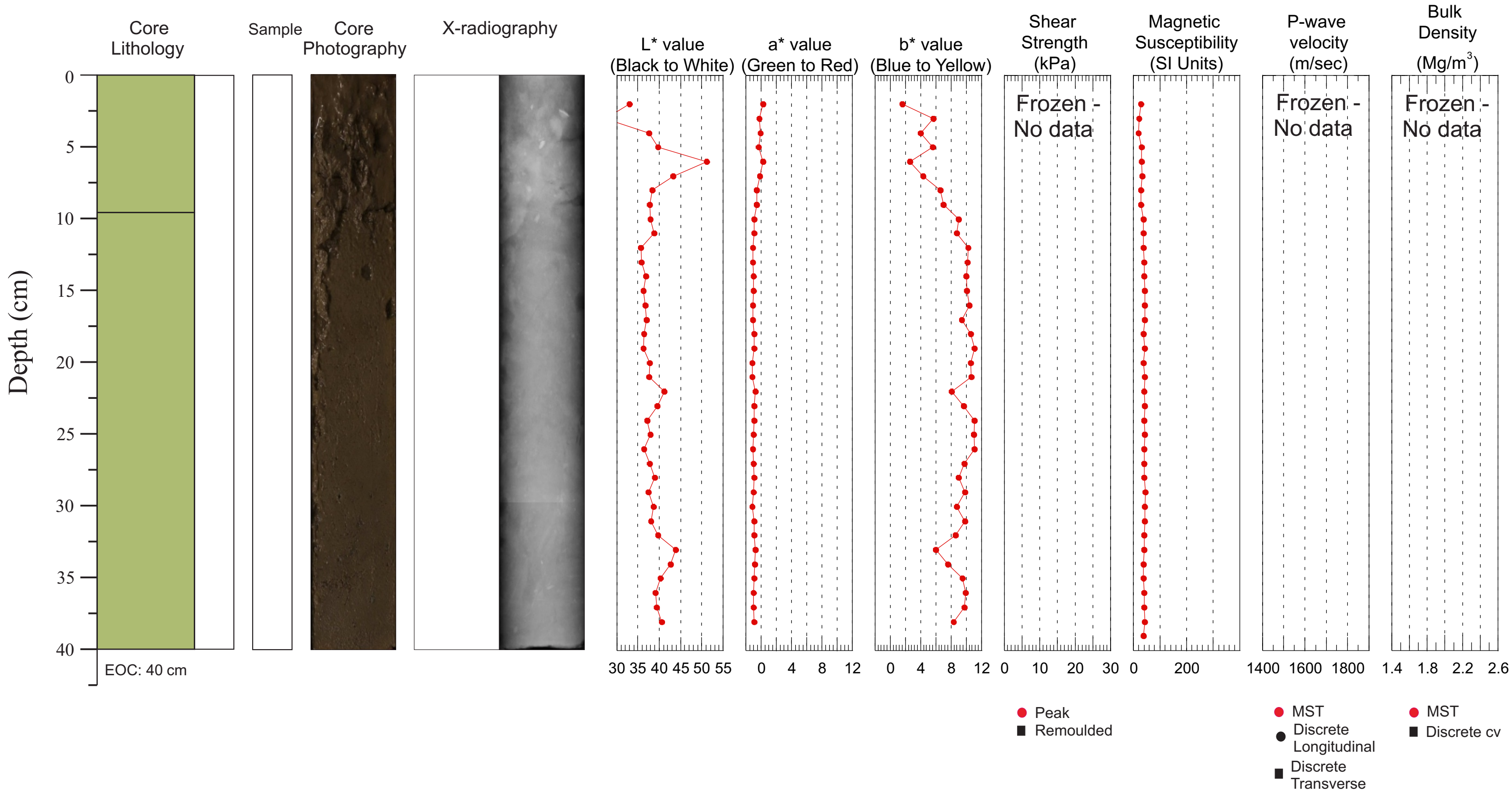

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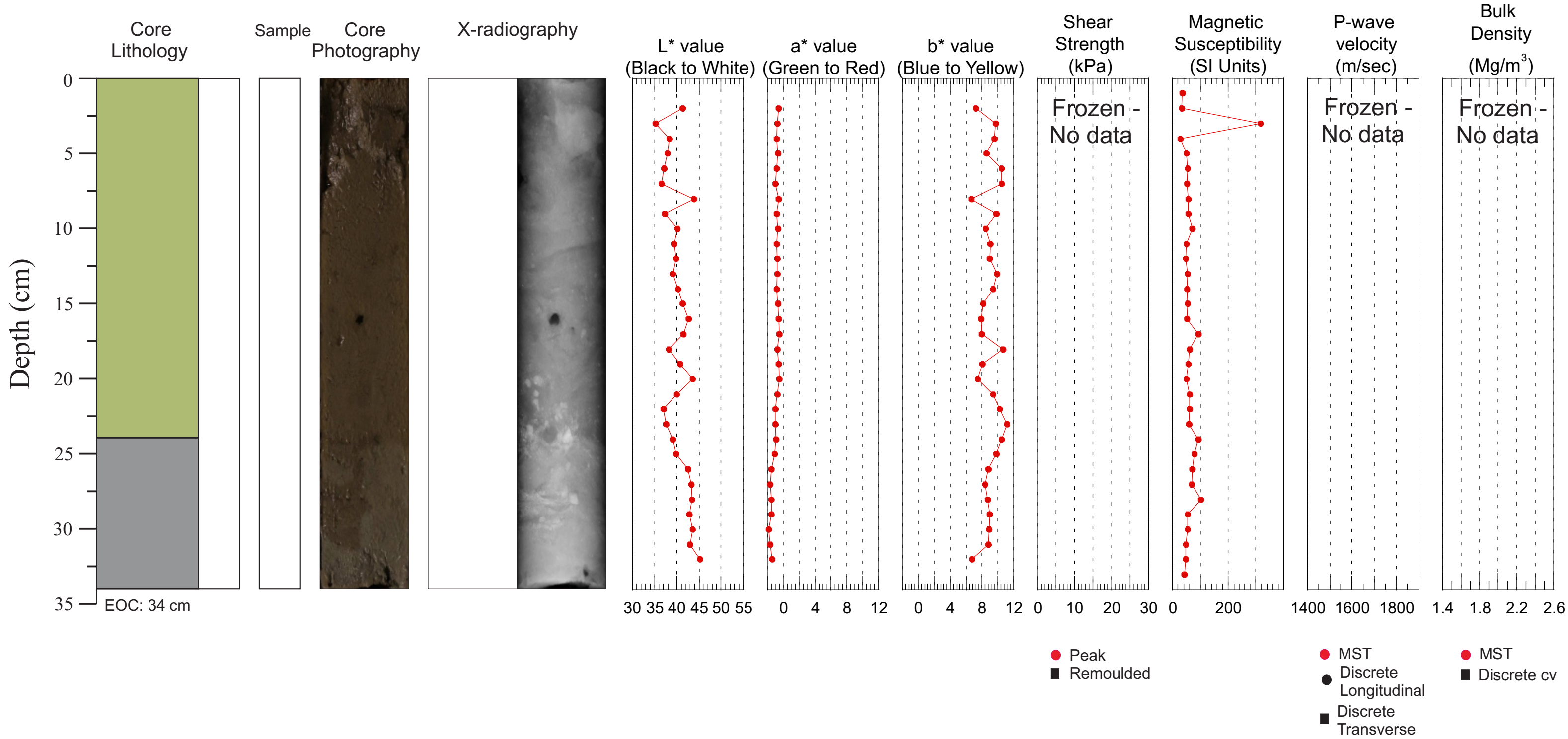

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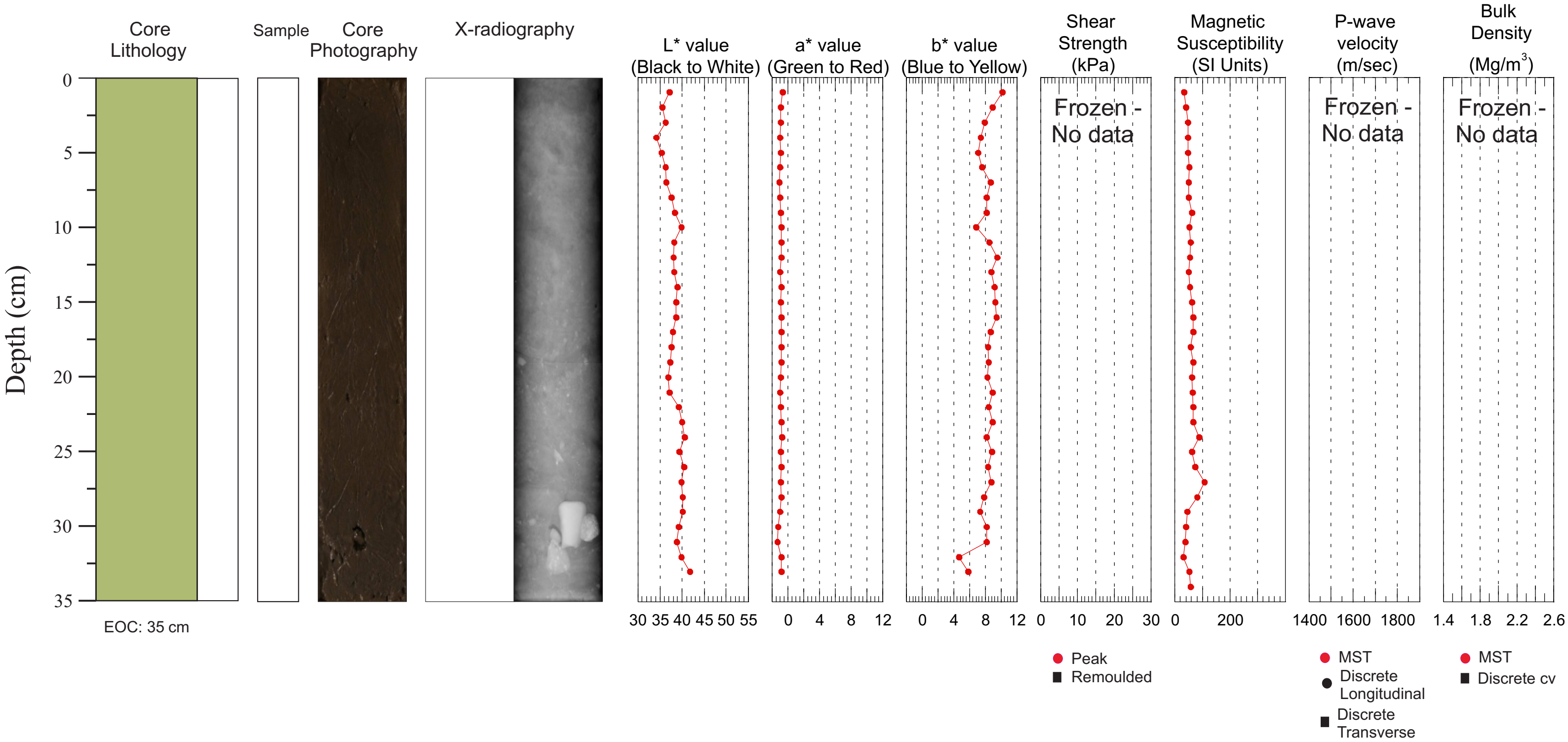

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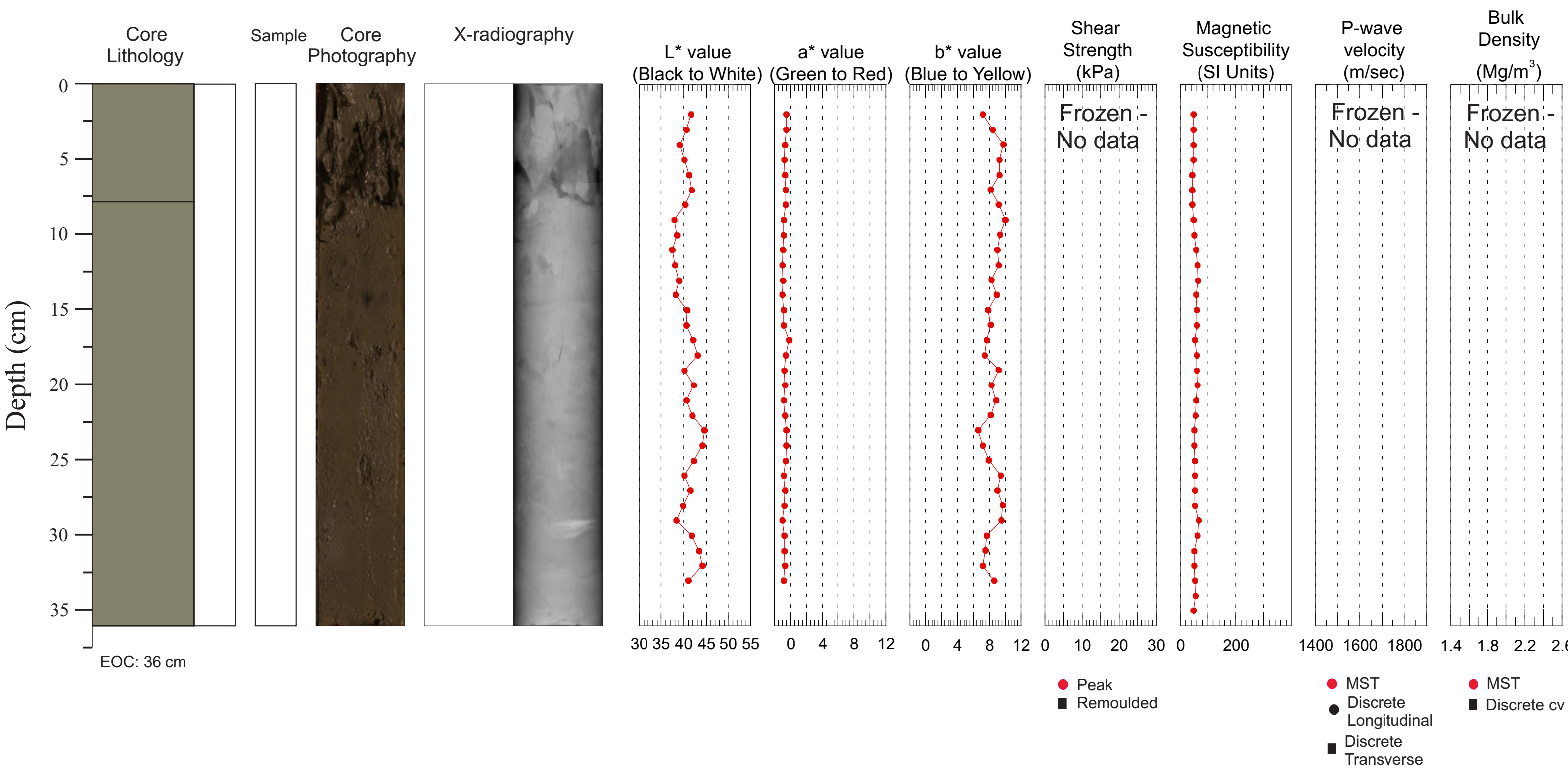

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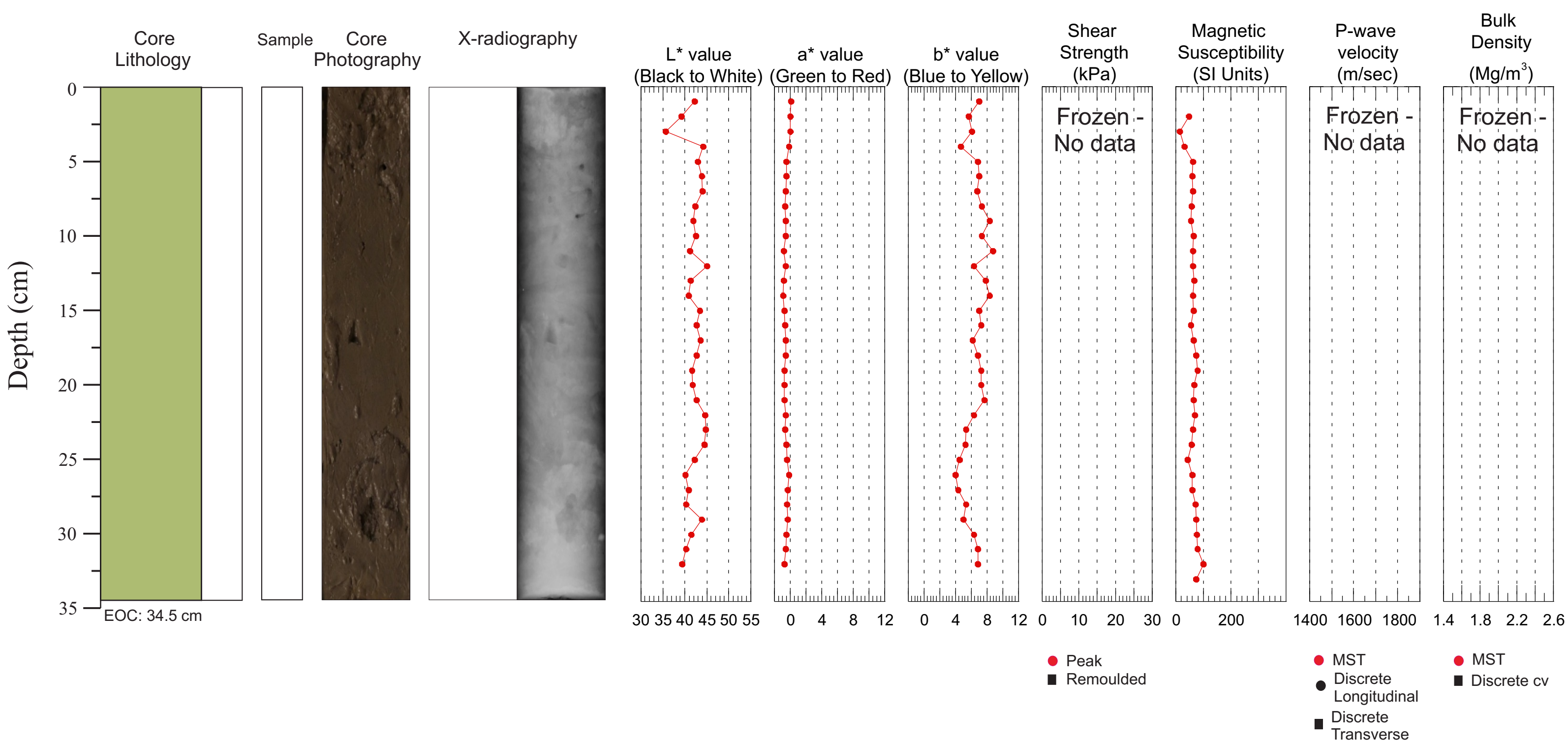
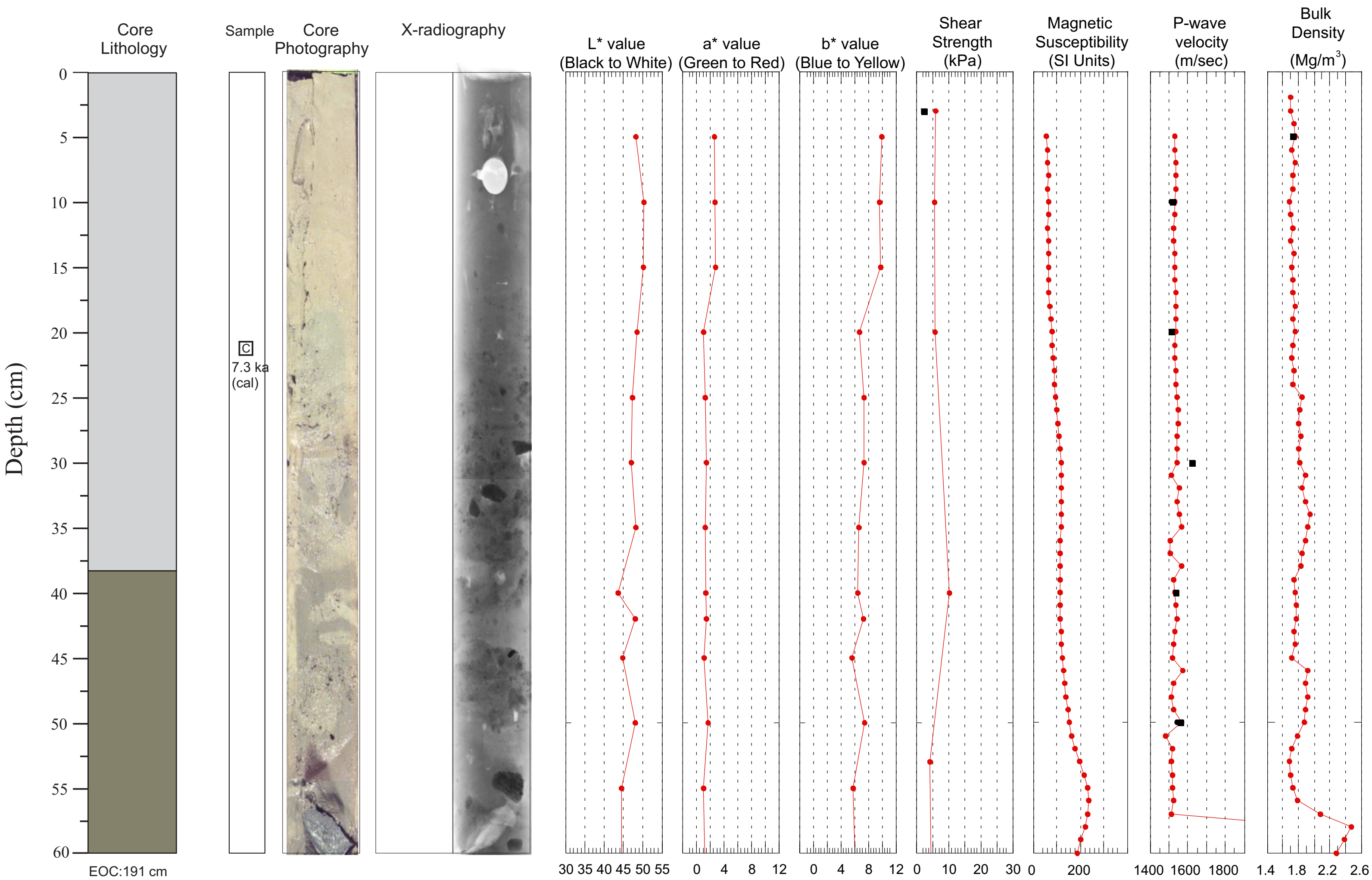
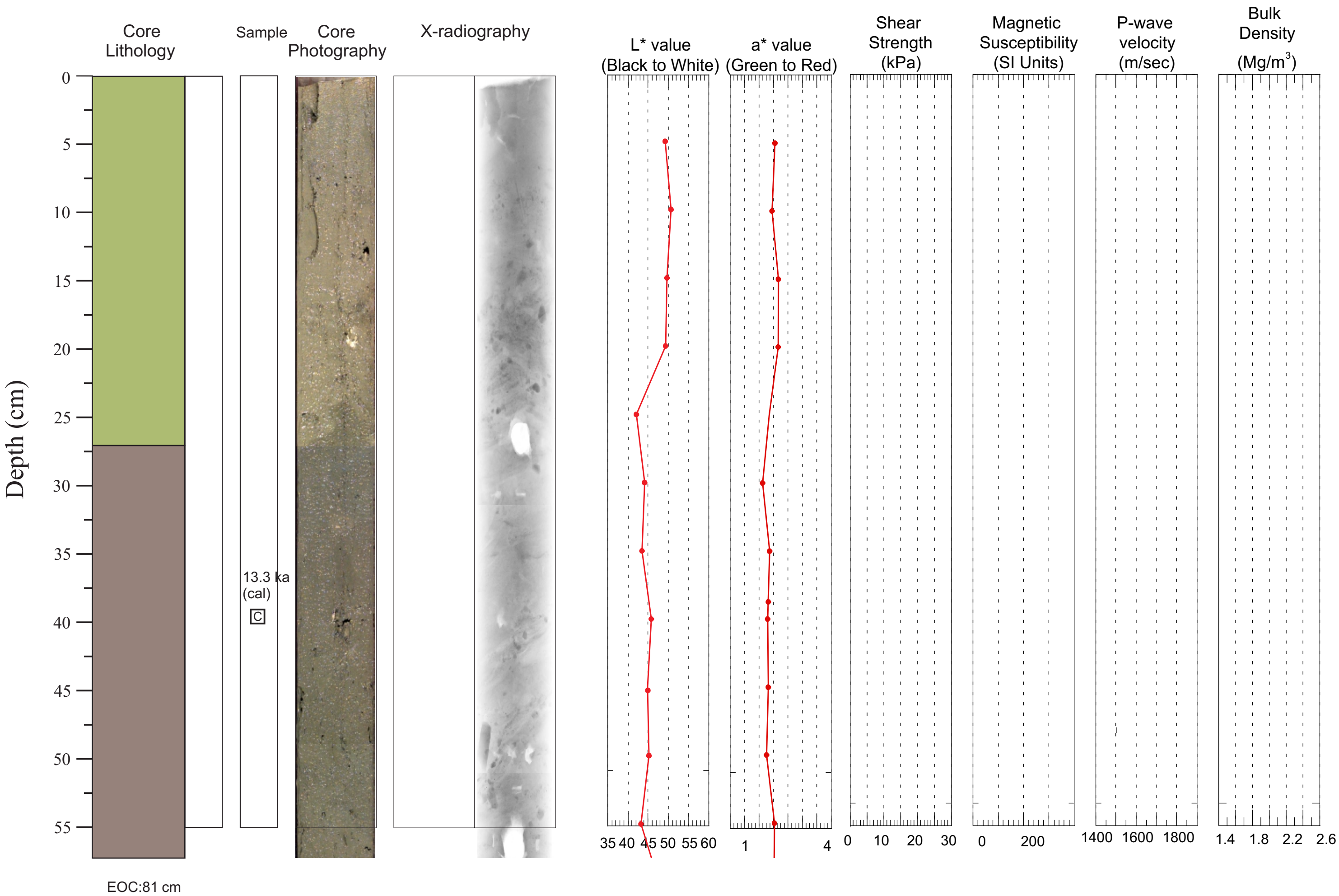


2001043 0009 TriggerWeightCore



*core continues down page. Total core length = 191 cm

2001043 0004 TriggerWeightCore



*core continues down page until total length of 81 cm

Appendix 2

Grain size and carbon data

NEREIDA

2009061
All phases

STN (Nereida BC)	4	5	6	7	9	10	11	12	13	14	16	17	18	19	20	21?	22	23	24	25	26
STN (GSC)	**004**	**005**	**007**	**009**	**0010**	**0013**	**0015**	**0016**	**0018**	**0019**	**0021**	**0022**	**0023**	**0025**	**0026**	**0029**	**0030**	**0032**	**0034**	**0036**	**0037**
Top int cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm
Bot int cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm
T.C. (%)	3.3	3.1	3.1	2.7	3.9	3.5	3.8	4.1	3.8	4.4	3.9	3.2	4.3	3.8	5.6	4.0	4.0	5.3	5.9	4.8	4.3
T.C. (%) dup																					
O.C. (%)	0.4	0.4	0.4	0.2	0.4	0.2	0.4	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.2	0.1	0.3	0.3	0.2	0.3	0.3
O.C. (%) dup																					
I.C. (%) by diff.	2.9	2.7	2.7	2.5	3.6	3.3	3.4	3.9	3.5	4.1	3.6	2.6	4.0	3.5	5.4	3.8	3.7	5.0	5.7	4.6	4.0
% sortable silt	34.3	50.3	38.9	23.2	33.2	37.0	43.6	37.1	38.3	33.8	31.3	26.9	35.5	41.5	14.9	4.7	41.1	34.1	9.8	29.9	41.8
%clay	**27.0**	**27.1**	**29.4**	**14.0**	**28.6**	**17.1**	**20.0**	**18.4**	**18.7**	**22.8**	**26.3**	**40.1**	**17.2**	**16.4**	**9.3**	**4.0**	**18.5**	**18.3**	**7.7**	**15.9**	**17.2**
%silt	**55.6**	**70.8**	**62.1**	**33.8**	**55.1**	**52.4**	**61.0**	**53.1**	**55.8**	**52.2**	**52.1**	**59.9**	**49.4**	**56.1**	**20.8**	**7.8**	**59.4**	**48.6**	**15.3**	**43.2**	**58.6**
%sand	**17.4**	**2.1**	**8.4**	**52.2**	**16.2**	**30.5**	**19.1**	**28.5**	**25.5**	**25.1**	**21.6**	**0.0**	**33.3**	**27.4**	**69.8**	**88.2**	**22.1**	**33.1**	**77.0**	**40.9**	**24.1**
% gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.375	0.20	0.20	0.21	0.11	0.23	0.12	0.13	0.14	0.13	0.18	0.21	0.27	0.13	0.12	0.06	0.02	0.12	0.10	0.04	0.09	0.09
0.412	0.36	0.36	0.37	0.20	0.40	0.21	0.23	0.24	0.23	0.31	0.37	0.47	0.23	0.21	0.10	0.03	0.21	0.18	0.07	0.16	0.15
0.452	0.51	0.52	0.53	0.28	0.57	0.31	0.33	0.34	0.32	0.45	0.53	0.68	0.34	0.30	0.14	0.05	0.30	0.26	0.10	0.23	0.22
0.496	0.70	0.71	0.73	0.38	0.79	0.42	0.46	0.47	0.45	0.61	0.72	0.94	0.46	0.41	0.20	0.07	0.42	0.37	0.14	0.32	0.32
0.545	0.83	0.86	0.88	0.45	0.94	0.51	0.55	0.56	0.54	0.73	0.86	1.13	0.55	0.49	0.25	0.09	0.51	0.45	0.17	0.40	0.39
0.598	0.92	0.97	0.98	0.50	1.03	0.56	0.61	0.63	0.60	0.80	0.94	1.26	0.61	0.54	0.29	0.11	0.57	0.53	0.20	0.46	0.45
0.657	0.97	1.04	1.05	0.52	1.09	0.60	0.65	0.67	0.64	0.84	0.99	1.34	0.64	0.58	0.32	0.12	0.61	0.59	0.23	0.52	0.51
0.721	1.00	1.10	1.09	0.53	1.12	0.63	0.68	0.69	0.67	0.86	1.01	1.40	0.66	0.60	0.34	0.14	0.64	0.65	0.25	0.57	0.56
0.791	1.00	1.12	1.11	0.52	1.12	0.64	0.69	0.70	0.68	0.85	1.00	1.42	0.66	0.61	0.36	0.15	0.66	0.69	0.27	0.60	0.60
0.869	0.96	1.11	1.09	0.50	1.08	0.62	0.68	0.68	0.67	0.82	0.96	1.40	0.64	0.60	0.37	0.16	0.65	0.72	0.29	0.63	0.62
0.953	0.91	1.08	1.05	0.47	1.03	0.60	0.66	0.65	0.64	0.77	0.91	1.35	0.61	0.58	0.37	0.16	0.64	0.73	0.30	0.64	0.64
1.047	0.87	1.04	1.01	0.44	0.97	0.58	0.64	0.62	0.62	0.72	0.86	1.30	0.57	0.55	0.37	0.17	0.62	0.74	0.30	0.64	0.65
1.149	0.84	1.00	0.98	0.42	0.94	0.56	0.63	0.60	0.60	0.69	0.82	1.27	0.55	0.53	0.37	0.17	0.61	0.75	0.31	0.64	0.66
1.261	0.83	0.98	0.97	0.41	0.92	0.55	0.63	0.60	0.60	0.68	0.82	1.27	0.54	0.53	0.36	0.17	0.61	0.74	0.32	0.64	0.66
1.385	0.85	0.97	0.98	0.42	0.94	0.56	0.64	0.60	0.61	0.70	0.84	1.29	0.54	0.53	0.36	0.17	0.62	0.74	0.32	0.63	0.66
1.52	0.90	0.98	1.01	0.45	0.98	0.58	0.67	0.62	0.63	0.74	0.89	1.35	0.56	0.55	0.36	0.17	0.64	0.74	0.33	0.63	0.67
1.669	0.97	1.01	1.07	0.49	1.04	0.61	0.73	0.66	0.67	0.80	0.96	1.45	0.60	0.59	0.36	0.17	0.68	0.74	0.33	0.63	0.68
1.832	1.07	1.06	1.16	0.55	1.13	0.66	0.80	0.72	0.73	0.89	1.06	1.59	0.66	0.64	0.37	0.17	0.73	0.76	0.34	0.65	0.71
2.01	1.19	1.13	1.26	0.61	1.23	0.72	0.88	0.78	0.80	0.98	1.16	1.75	0.73	0.69	0.39	0.18	0.79	0.78	0.35	0.67	0.74
2.207	1.30	1.21	1.37	0.68	1.33	0.79	0.97	0.85	0.87	1.08	1.25	1.92	0.80	0.76	0.42	0.18	0.86	0.82	0.37	0.70	0.79
2.423	1.41	1.28	1.48	0.73	1.42	0.86	1.06	0.91	0.95	1.17	1.34	2.10	0.86	0.83	0.45	0.19	0.93	0.86	0.39	0.75	0.85
2.66	1.50	1.35	1.60	0.78	1.50	0.93	1.15	0.98	1.03	1.25	1.41	2.28	0.93	0.89	0.48	0.20	1.02	0.93	0.41	0.80	0.93
2.92	1.59	1.42	1.70	0.82	1.57	1.00	1.24	1.05	1.11	1.33	1.48	2.46	0.99	0.96	0.52	0.22	1.10	1.00	0.43	0.87	1.02
3.206	1.67	1.49	1.81	0.86	1.65	1.08	1.33	1.13	1.20	1.41	1.56	2.63	1.06	1.04	0.55	0.24	1.20	1.08	0.46	0.95	1.12
3.519	1.76	1.55	1.92	0.90	1.75	1.17	1.42	1.22	1.30	1.50	1.65	2.80	1.13	1.12	0.58	0.26	1.32	1.16	0.48	1.03	1.22
3.862	1.85	1.61	2.04	0.95	1.86	1.27	1.52	1.32	1.42	1.60	1.77	2.98	1.20	1.21	0.61	0.29	1.44	1.25	0.51	1.11	1.33
4.241	1.95	1.68	2.15	0.99	1.99	1.37	1.62	1.43	1.54	1.72	1.90	3.15	1.28	1.31	0.64	0.31	1.57	1.33	0.53	1.19	1.44
4.656	2.06	1.76	2.26	1.04	2.13	1.46	1.71	1.54	1.66	1.82	2.04	3.31	1.36	1.40	0.65	0.33	1.71	1.40	0.55	1.26	1.54
5.111	2.15	1.84	2.36	1.08	2.26	1.55	1.79	1.64	1.76	1.92	2.17	3.43	1.43	1.47	0.66	0.35	1.83	1.46	0.56	1.32	1.63
5.611	2.22	1.92	2.42	1.11	2.35	1.61	1.84	1.72	1.85	1.98	2.26	3.51	1.49	1.54	0.65	0.36	1.92	1.50	0.57	1.37	1.70
6.158	2.26	2.00	2.45	1.13	2.40	1.65	1.87	1.76	1.90	2.01	2.31	3.54	1.52	1.58	0.63	0.36	1.98	1.53	0.57	1.40	1.76
6.761	2.27	2.08	2.44	1.12	2.39	1.65	1.86	1.76	1.91	1.99	2.28	3.52	1.51	1.58	0.61	0.34	2.00	1.53	0.57	1.40	1.79
7.421	2.23	2.16	2.40	1.10	2.32	1.63	1.81	1.70	1.87	1.92	2.19	3.44	1.47	1.55	0.59	0.31	1.97	1.51	0.56	1.39	1.80
8.147	2.15	2.24	2.33	1.06	2.19	1.56	1.73	1.60	1.80	1.81	2.04	3.28	1.40	1.49	0.55	0.28	1.88	1.47	0.54	1.36	1.79
8.944	2.05	2.33	2.24	1.01	2.03	1.48	1.63	1.47	1.68	1.68	1.86	3.05	1.29	1.39	0.51	0.24	1.75	1.41	0.52	1.30	1.75
9.819	1.95	2.44	2.17	0.96	1.88	1.39	1.52	1.32	1.56	1.56	1.69	2.78	1.18	1.29	0.47	0.22	1.60	1.34	0.50	1.23	1.69
10.78	1.88	2.57	2.14	0.93	1.76	1.33	1.43	1.22	1.46	1.46	1.57	2.53	1.10	1.22	0.43	0.24	1.46	1.25	0.47	1.15	1.62
11.83	1.86	2.75	2.16	0.93	1.72	1.33	1.41	1.17	1.43	1.42	1.52	2.37	1.08	1.21	0.41	0.27	1.39	1.16	0.44	1.07	1.54
12.99	1.91	2.97	2.25	0.97	1.75	1.39	1.46	1.21	1.47	1.43	1.56	2.33	1.12	1.28	0.41	0.28	1.42	1.10	0.41	1.01	1.49
14.26	2.00	3.22	2.38	1.04	1.84	1.51	1.59	1.33	1.58	1.48	1.66	2.38	1.21	1.41	0.44	0.23	1.54	1.07	0.40	1.00	1.48
15.65	2.09	3.46	2.51	1.10	1.95	1.65	1.76	1.48	1.73	1.54	1.77	2.45	1.33	1.58	0.48	0.17	1.73	1.10	0.39	1.03	1.52
17.18	2.12	3.63	2.60	1.15	2.01	1.79	1.93	1.62	1.88	1.58	1.84	2.39	1.44	1.74	0.52	0.17	1.92	1.16	0.40	1.10	1.61
18.86	2.07	3.68	2.61	1.15	1.99	1.88	2.06	1.72	1.98	1.59	1.83	2.15	1.50	1.86	0.54	0.26	2.03	1.26	0.41	1.20	1.75
20.7	1.96	3.60	2.52	1.13	1.88	1.91	2.14	1.78	2.02	1.56	1.76	1.79	1.53	1.93	0.53	0.32	2.05	1.36	0.42	1.29	1.90
22.73	1.82	3.42	2.38	1.10	1.75	1.93	2.19	1.82	2.03	1.52	1.66	1.41	1.55	1.98	0.51	0.24	2.00	1.46	0.43	1.38	2.06
24.95	1.71	3.19	2.23	1.09	1.64	1.97	2.25	1.90	2.05	1.51	1.60	1.16	1.61	2.04	0.50	0.13	1.97	1.57	0.43	1.47	2.21
27.38	1.66	2.98	2.11	1.11	1.59	2.05	2.37	2.02	2.10	1.57	1.59	1.07	1.74	2.15	0.53	0.14	2.01	1.69	0.44	1.56	2.34
30.07	1.66	2.79	2.02	1.16	1.63	2.18	2.54	2.20	2.20	1.69	1.64	1.10	1.93	2.32	0.61	0.26	2.16	1.84	0.45	1.68	2.48
33	1.70	2.62	1.96	1.23	1.71	2.33	2.74	2.40	2.34	1.87	1.72	1.18	2.18	2.54	0.73	0.29	2.41	2.03	0.47	1.82	2.60
36.24	1.72	2.42	1.90	1.30	1.80	2.46	2.94	2.56	2.45	2.07	1.78	1.15	2.43	2.76	0.90	0.24	2.68	2.25	0.51	1.96	2.73
39.77	1.71	2.16	1.80	1.36	1.84	2.51	3.07	2.65	2.51	2.24	1.78	0.86	2.64	2.95	1.08	0.27	2.91	2.45	0.58	2.09	2.83
43.66	1.67	1.82	1.65	1.43	1.80	2.47	3.10	2.65	2.48	2.34	1.70	0.44	2.77	3.09	1.28	0.32	3.01	2.64	0.65	2.19	2.90
47.93	1.61	1.41	1.45	1.51	1.67	2.33	3.04	2.58	2.36	2.37	1.57	0.10	2.81	3.15	1.47	0.27	2.98	2.80	0.74	2.26	2.94
52.63	1.57	1.00	1.21	1.66	1.51	2.12	2.90	2.46	2.18	2.31	1.43	0.01	2.78	3.17	1.67	0.25	2.83	2.91	0.84	2.31	2.92
57.77	1.58	0.65	0.98	1.88	1.36	1.90	2.71	2.36	2.00	2.20	1.33	0.00	2.72	3.15	1.86	0.33	2.64	3.00	0.95	2.35	2.85
63.41	1.62	0.42	0.78	2.18	1.25	1.73	2.52	2.30	1.87	2.07	1.29	0.00	2.66	3.12	2.02	0.39	2.46	3.06	1.07	2.40	2.75
69.62	1.69	0.31	0.65	2.54	1.21	1.64	2.33	2.30	1.82	1.95	1.34	0.00	2.62	3.06	2.14	0.34	2.34	3.11	1.18	2.46	2.64
76.43	1.72	0.28	0.62	2.88	1.22	1.64	2.15	2.34	1.84	1.86	1.45	0.00	2.59	2.98	2.18	0.33	2.26	3.13	1.28	2.54	2.57
83.9	1.72	0.30	0.67	3.14	1.23	1.74	1.96	2.37	1.91	1.80	1.59	0.00	2.56	2.84	2.15	0.41	2.20	3.11	1.37	2.61	2.56
92.09	1.67	0.30	0.82	3.25	1.23	1.90	1.77	2.36	1.98	1.76	1.71	0.00	2.51	2.62	2.04	0.41	2.11	3.04	1.43	2.65	2.61
101.1	1.62	0.25	0.99	3.20	1.22	2.06	1.60	2.28	2.03	1.73	1.78	0.00	2.41	2.33	1.90	0.28	1.97	2.91	1.48	2.66	2.65
111	1.58	0.15	1.12	3.01	1.25	2.17	1.46	2.13	2.03	1.67	1.77	0.00	2.26	1.99	1.79	0.21	1.80	2.72	1.54	2.62	2.58
121.8	1.55	0.06	1.10	2.73	1.32	2.20	1.35	1.93	1.98	1.57	1.70	0.00	2.07	1.66	1.77	0.32	1.63	2.50	1.65	2.54	2.29
133.7	1.45	0.01	0.90	2.43	1.43	2.15	1.24	1.72	1.90	1.43	1.57	0.00	1.87	1.36	1.89	0.52	1.49	2.26	1.85	2.42	1.76
146.8	1.23	0.00	0.54	2.16	1.47	2.07	1.07	1.56	1.81	1.31	1.42	0.00	1.73	1.13	2.16	0.65	1.32	2.00	2.19	2.24	1.09
161.2	0.89	0.00	0.22	1.93	1.37	2.01	0.81	1.45	1.70	1.23	1.27	0.00	1.66	0.98	2.59	0.62	1.10	1.70	2.66	1.96	0.48
176.8	0.48	0.00	0.04	1.77	1.07	1.98	0.50	1.38	1.52	1.23	1.15	0.00	1.68	0.87	3.11	0.59	0.80	1.37	3.22	1.58	0.13
194.2	0.18	0.00	0.00	1.67	0.63	1.94	0.22	1.30	1.27	1.28	1.03	0.00	1.71	0.78	3.61	0.86	0.45	1.01	3.76	1.14	0.02
213.2	0.03	0.00	0.00	1.61	0.25	1.80	0.06	1.15	0.94	1.29	0.90	0.00	1.66	0.66	3.96	1.52	0.17	0.65	4.12	0.72	0.00
234.1	0.00	0.00	0.00	1.59	0.05	1.51	0.01	0.91	0.58	1.19	0.73	0.00	1.44	0.51	4.06	2.00	0.03	0.35	4.19	0.44	0.00
256.8	0.00	0.00	0.00	1.56	0.00	1.08	0.00	0.60	0.27	0.93	0.51	0.00	1.06	0.32	3.85	1.96	0.00	0.14	3.93	0.32	0.00
282.1	0.00	0.00	0.00	1.50	0.00	0.59	0.00	0.30	0.09	0.56	0.27	0.00	0.59	0.15	3.36	2.05	0.00	0.04	3.42	0.33	0.00
309.6	0.00	0.00	0.00	1.41	0.00	0.22	0.00	0.10	0.01	0.22	0.10	0.00	0.22	0.05	2.72	2.72	0.00	0.01	2.81	0.43	0.00
339.8	0.00	0.00	0.00	1.31	0.00	0.04	0.00	0.02	0.00	0.05	0.02	0.00	0.04	0.01	2.06	3.48	0.00	0.00	2.25	0.55	0.00
373.1	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.56	0.00	0.00	1.86	0.63	0.00
409.6	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	3.34	0.00	0.00	1.69	0.65	0.00
449.7	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	3.74	0.00	0.00	1.71	0.64	0.00
493.6	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	4.84	0.00	0.00	1.86	0.66	0.00
541.9	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	5.50	0.00	0.00	2.08	0.77	0.00
594.9	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	5.00	0.00	0.00	2.30	0.94	0.00
653	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	4.68	0.00	0.00	2.46	1.13	0.00
716.9	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	5.69	0.00	0.00	2.55	1.22	0.00
786.9	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	6.79	0.00	0.00	2.53	0.97	0.00
863.9	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	6.14	0.00	0.00	2.42	0.52	0.00
948.2	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	5.38	0.00	0.00	2.22	0.13	0.00
1041	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	5.96	0.00	0.00	1.96	0.01	0.00
1143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.52	0.00	0.00	1.68	0.00	0.00
1255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.00	0.00	1.40	0.00	0.00
1377	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	1.12	0.00	0.00
1512	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00
1660	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00
1822	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00
2000																					

NEREIDA

2009061
All phases

STN (Nereida BC)	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46,47	48
STN (GSC)	**0038**	**0040**	**0041**	**0042**	**0044**	**0045**	**0046**	**0047**	**0049**	**0050**	**0051**	**0052**	**0054**	**0056**	**0057**	**0058**	**0060**	**0061**	**0062**	**0064**	**0065**
Top int cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm
Bot int cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm
T.C. (%)	5.4	4.4	4.3	5.8	5.3	4.9	6.2	6.6	5.0	5.6	1.5	5.1	5.0	3.9	5.8	4.9	5.4	6.0	7.0	4.5	5.6
T.C. (%) dup																					
O.C. (%)	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.4	0.2	0.3	0.4	0.6	0.2	0.3	0.2	0.6
O.C. (%) dup																					
I.C. (%) by diff.	5.1	4.1	4.0	5.5	5.1	4.6	6.0	6.3	4.7	5.4	1.3	4.9	4.6	3.7	5.4	4.5	4.8	5.7	6.7	4.2	5.0
% sortable silt	7.0	31.5	36.3	37.7	11.9	8.6	7.1	5.5	40.7	9.2	4.7	25.5	32.3	28.0	15.9	27.1	31.8	7.7	11.9	34.2	39.1
%clay	**7.2**	**12.3**	**15.3**	**17.1**	**10.4**	**9.1**	**8.0**	**8.7**	**18.4**	**9.3**	**8.0**	**8.3**	**22.1**	**5.0**	**9.5**	**11.0**	**11.0**	**6.7**	**4.1**	**10.3**	**12.7**
%silt	**12.0**	**42.1**	**51.5**	**52.1**	**19.3**	**14.6**	**12.2**	**11.7**	**58.2**	**15.1**	**7.3**	**28.5**	**58.2**	**29.6**	**24.3**	**44.5**	**49.8**	**14.5**	**18.7**	**36.7**	**59.1**
%sand	**80.7**	**45.5**	**33.1**	**30.8**	**70.3**	**76.3**	**79.7**	**79.7**	**23.3**	**75.6**	**84.7**	**63.1**	**19.8**	**65.5**	**66.2**	**44.5**	**39.1**	**78.8**	**77.2**	**53.0**	**28.2**
% gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.375	0.04	0.06	0.08	0.09	0.05	0.04	0.04	0.04	0.09	0.05	0.04	0.04	0.11	0.02	0.05	0.05	0.05	0.03	0.02	0.05	0.05
0.412	0.07	0.11	0.14	0.15	0.09	0.08	0.07	0.07	0.16	0.09	0.08	0.08	0.19	0.04	0.09	0.08	0.08	0.05	0.03	0.10	0.09
0.452	0.10	0.17	0.20	0.22	0.14	0.11	0.10	0.10	0.24	0.13	0.13	0.13	0.28	0.07	0.12	0.12	0.12	0.07	0.04	0.16	0.14
0.496	0.14	0.24	0.28	0.32	0.19	0.16	0.15	0.14	0.34	0.18	0.17	0.18	0.39	0.10	0.18	0.17	0.17	0.11	0.06	0.22	0.19
0.545	0.17	0.29	0.35	0.39	0.24	0.20	0.18	0.18	0.42	0.22	0.21	0.22	0.49	0.12	0.22	0.21	0.21	0.13	0.08	0.26	0.24
0.598	0.20	0.34	0.40	0.46	0.28	0.24	0.21	0.21	0.49	0.26	0.24	0.25	0.56	0.14	0.25	0.25	0.24	0.15	0.09	0.30	0.28
0.657	0.22	0.38	0.45	0.51	0.32	0.27	0.24	0.24	0.55	0.29	0.26	0.28	0.63	0.16	0.28	0.28	0.27	0.17	0.10	0.33	0.31
0.721	0.24	0.42	0.50	0.57	0.35	0.30	0.27	0.27	0.60	0.32	0.27	0.29	0.69	0.17	0.31	0.30	0.30	0.19	0.11	0.35	0.35
0.791	0.26	0.45	0.53	0.61	0.38	0.32	0.29	0.29	0.64	0.35	0.28	0.29	0.74	0.18	0.33	0.32	0.32	0.21	0.12	0.37	0.37
0.869	0.27	0.47	0.55	0.63	0.40	0.34	0.31	0.31	0.67	0.37	0.29	0.29	0.76	0.18	0.34	0.34	0.34	0.22	0.13	0.37	0.39
0.953	0.28	0.48	0.57	0.65	0.41	0.35	0.32	0.32	0.69	0.38	0.29	0.29	0.78	0.18	0.35	0.35	0.35	0.23	0.13	0.37	0.40
1.047	0.29	0.49	0.58	0.66	0.42	0.36	0.33	0.33	0.70	0.39	0.30	0.29	0.79	0.18	0.36	0.36	0.35	0.24	0.13	0.37	0.41
1.149	0.29	0.49	0.58	0.67	0.43	0.37	0.34	0.34	0.70	0.39	0.31	0.30	0.80	0.19	0.36	0.36	0.36	0.25	0.14	0.38	0.42
1.261	0.30	0.49	0.58	0.67	0.43	0.38	0.34	0.35	0.70	0.40	0.32	0.31	0.80	0.19	0.36	0.37	0.37	0.25	0.14	0.39	0.43
1.385	0.30	0.49	0.59	0.68	0.43	0.39	0.35	0.36	0.70	0.40	0.34	0.33	0.81	0.20	0.36	0.38	0.37	0.26	0.14	0.42	0.44
1.52	0.30	0.49	0.59	0.68	0.44	0.39	0.35	0.37	0.71	0.40	0.36	0.36	0.82	0.22	0.37	0.39	0.38	0.27	0.15	0.45	0.46
1.669	0.31	0.50	0.60	0.70	0.45	0.40	0.35	0.38	0.72	0.40	0.39	0.39	0.84	0.24	0.37	0.41	0.40	0.28	0.15	0.49	0.48
1.832	0.31	0.51	0.63	0.72	0.46	0.41	0.36	0.39	0.75	0.41	0.42	0.42	0.88	0.26	0.39	0.43	0.43	0.29	0.17	0.53	0.51
2.01	0.33	0.53	0.66	0.75	0.47	0.42	0.37	0.41	0.79	0.42	0.44	0.45	0.94	0.27	0.41	0.47	0.47	0.31	0.18	0.58	0.55
2.207	0.34	0.56	0.70	0.79	0.49	0.44	0.38	0.43	0.84	0.43	0.45	0.47	1.01	0.29	0.44	0.52	0.52	0.33	0.20	0.60	0.61
2.423	0.36	0.59	0.76	0.84	0.51	0.46	0.40	0.46	0.91	0.45	0.46	0.49	1.11	0.30	0.47	0.58	0.58	0.36	0.22	0.62	0.68
2.66	0.38	0.64	0.83	0.91	0.54	0.48	0.42	0.48	0.99	0.47	0.45	0.48	1.22	0.29	0.51	0.65	0.66	0.39	0.25	0.61	0.76
2.92	0.40	0.69	0.91	0.99	0.58	0.50	0.44	0.51	1.09	0.49	0.44	0.48	1.36	0.29	0.56	0.74	0.75	0.42	0.28	0.59	0.86
3.206	0.43	0.75	1.00	1.07	0.61	0.53	0.46	0.54	1.20	0.52	0.40	0.45	1.52	0.26	0.61	0.85	0.86	0.46	0.32	0.53	0.97
3.519	0.45	0.81	1.10	1.16	0.64	0.55	0.48	0.57	1.31	0.54	0.37	0.42	1.68	0.24	0.67	0.96	0.97	0.50	0.36	0.48	1.09
3.862	0.48	0.88	1.20	1.24	0.68	0.58	0.50	0.60	1.43	0.57	0.32	0.37	1.86	0.20	0.72	1.08	1.10	0.54	0.40	0.38	1.23
4.241	0.50	0.94	1.30	1.32	0.71	0.60	0.52	0.62	1.54	0.59	0.30	0.34	2.04	0.18	0.77	1.21	1.24	0.58	0.45	0.32	1.37
4.656	0.52	1.00	1.39	1.40	0.74	0.62	0.53	0.64	1.65	0.61	0.29	0.32	2.21	0.16	0.81	1.35	1.38	0.62	0.50	0.27	1.52
5.111	0.53	1.05	1.47	1.46	0.76	0.63	0.54	0.65	1.74	0.62	0.30	0.33	2.37	0.16	0.85	1.48	1.52	0.65	0.56	0.26	1.67
5.611	0.53	1.09	1.54	1.50	0.77	0.64	0.55	0.66	1.81	0.63	0.29	0.32	2.52	0.16	0.87	1.61	1.66	0.68	0.61	0.25	1.82
6.158	0.53	1.11	1.59	1.52	0.77	0.64	0.54	0.65	1.85	0.63	0.28	0.31	2.65	0.16	0.89	1.74	1.79	0.70	0.66	0.25	1.97
6.761	0.53	1.13	1.61	1.52	0.77	0.63	0.54	0.64	1.87	0.62	0.25	0.29	2.75	0.15	0.89	1.85	1.92	0.72	0.71	0.24	2.11
7.421	0.51	1.13	1.62	1.50	0.75	0.62	0.52	0.62	1.86	0.60	0.23	0.28	2.82	0.15	0.88	1.95	2.03	0.73	0.75	0.25	2.24
8.147	0.49	1.11	1.61	1.45	0.73	0.59	0.50	0.59	1.82	0.58	0.23	0.28	2.85	0.15	0.85	2.03	2.12	0.73	0.79	0.24	2.36
8.944	0.46	1.08	1.57	1.38	0.70	0.56	0.47	0.55	1.75	0.55	0.24	0.29	2.85	0.15	0.82	2.09	2.20	0.72	0.83	0.23	2.46
9.819	0.43	1.03	1.50	1.29	0.66	0.52	0.44	0.50	1.64	0.51	0.23	0.30	2.80	0.15	0.76	2.12	2.25	0.69	0.85	0.18	2.54
10.78	0.39	0.98	1.42	1.19	0.61	0.48	0.40	0.45	1.52	0.46	0.20	0.29	2.71	0.15	0.70	2.11	2.26	0.66	0.87	0.13	2.59
11.83	0.35	0.93	1.34	1.09	0.57	0.43	0.36	0.39	1.40	0.41	0.17	0.27	2.58	0.14	0.64	2.08	2.25	0.62	0.88	0.10	2.62
12.99	0.32	0.90	1.27	1.01	0.53	0.39	0.33	0.34	1.30	0.37	0.14	0.28	2.43	0.14	0.59	2.02	2.22	0.57	0.87	0.12	2.63
14.26	0.30	0.89	1.24	0.97	0.50	0.36	0.30	0.30	1.25	0.34	0.13	0.31	2.28	0.15	0.55	1.95	2.16	0.52	0.85	0.18	2.62
15.65	0.29	0.93	1.25	0.99	0.50	0.34	0.28	0.27	1.27	0.32	0.12	0.36	2.15	0.17	0.54	1.86	2.09	0.47	0.83	0.26	2.59
17.18	0.29	1.00	1.30	1.06	0.50	0.34	0.28	0.25	1.35	0.31	0.11	0.44	2.04	0.21	0.55	1.77	2.02	0.43	0.79	0.35	2.55
18.86	0.30	1.10	1.39	1.17	0.52	0.34	0.28	0.25	1.49	0.32	0.12	0.58	1.92	0.26	0.57	1.67	1.93	0.40	0.75	0.50	2.48
20.7	0.31	1.23	1.51	1.31	0.53	0.35	0.28	0.25	1.67	0.34	0.14	0.85	1.79	0.36	0.60	1.56	1.84	0.37	0.70	0.75	2.39
22.73	0.31	1.37	1.62	1.46	0.54	0.35	0.29	0.25	1.86	0.35	0.16	1.29	1.63	0.53	0.64	1.44	1.74	0.35	0.65	1.17	2.27
24.95	0.30	1.51	1.74	1.63	0.53	0.36	0.29	0.24	2.07	0.37	0.17	1.90	1.45	0.78	0.66	1.32	1.63	0.33	0.60	1.73	2.13
27.38	0.30	1.67	1.87	1.83	0.53	0.36	0.29	0.23	2.29	0.38	0.18	2.54	1.29	1.09	0.69	1.21	1.52	0.31	0.55	2.34	1.98
30.07	0.31	1.84	2.01	2.07	0.54	0.37	0.30	0.23	2.50	0.40	0.18	2.96	1.19	1.44	0.74	1.12	1.43	0.29	0.51	2.85	1.84
33	0.32	2.02	2.17	2.37	0.57	0.39	0.32	0.23	2.71	0.43	0.19	2.99	1.16	1.82	0.80	1.06	1.36	0.29	0.48	3.15	1.72
36.24	0.36	2.20	2.34	2.69	0.62	0.43	0.35	0.23	2.89	0.48	0.22	2.61	1.19	2.19	0.89	1.01	1.31	0.29	0.46	3.20	1.62
39.77	0.40	2.36	2.50	3.02	0.69	0.48	0.40	0.25	3.02	0.56	0.26	1.94	1.26	2.62	1.01	0.98	1.26	0.31	0.44	3.06	1.53
43.66	0.45	2.50	2.66	3.30	0.77	0.56	0.46	0.28	3.10	0.65	0.32	1.44	1.31	3.11	1.16	0.97	1.22	0.33	0.43	3.04	1.46
47.93	0.51	2.60	2.79	3.49	0.86	0.64	0.53	0.31	3.11	0.77	0.44	1.22	1.32	3.72	1.33	0.97	1.19	0.35	0.42	3.24	1.40
52.63	0.57	2.68	2.91	3.56	0.96	0.74	0.61	0.36	3.04	0.90	0.60	1.39	1.30	4.33	1.52	0.98	1.16	0.39	0.42	3.75	1.34
57.77	0.64	2.74	2.99	3.53	1.06	0.85	0.71	0.43	2.87	1.03	0.82	1.80	1.32	4.80	1.72	1.01	1.15	0.44	0.44	4.31	1.30
63.41	0.72	2.80	3.06	3.39	1.18	0.97	0.82	0.52	2.63	1.17	1.00	2.18	1.46	4.96	1.92	1.07	1.17	0.51	0.46	4.61	1.27
69.62	0.81	2.88	3.12	3.18	1.29	1.11	0.94	0.63	2.33	1.33	1.05	2.27	1.78	4.45	2.11	1.14	1.21	0.59	0.50	4.25	1.26
76.43	0.92	2.96	3.17	2.94	1.40	1.26	1.08	0.75	2.03	1.54	2.29	4.45	2.28	6.02	2.27	1.23	1.28	0.68	0.55	5.92	1.27
83.9	1.04	3.04	3.22	2.68	1.50	1.44	1.23	0.89	1.80	1.79	2.67	4.87	2.85	4.30	2.42	1.32	1.38	0.78	0.61	4.43	1.30
92.09	1.16	3.10	3.29	2.43	1.59	1.65	1.40	1.04	1.70	2.09	3.18	5.28	3.25	2.98	2.56	1.39	1.48	0.90	0.67	2.63	1.34
101.1	1.30	3.13	3.35	2.20	1.67	1.88	1.59	1.20	1.75	2.44	4.05	5.27	3.23	2.79	2.68	1.46	1.57	1.05	0.75	1.87	1.36
111	1.43	3.11	3.37	2.01	1.76	2.14	1.83	1.39	1.94	2.83	5.05	5.17	2.63	2.35	2.82	1.52	1.67	1.24	0.84	1.06	1.37
121.8	1.58	3.05	3.22	1.84	1.91	2.46	2.15	1.63	2.16	3.25	5.36	4.56	1.58	2.94	2.97	1.60	1.75	1.52	0.95	1.57	1.37
133.7	1.74	2.94	2.84	1.69	2.15	2.84	2.56	1.95	2.22	3.70	4.36	4.03	0.61	2.57	3.12	1.70	1.81	1.91	1.09	1.13	1.36
146.8	1.91	2.75	2.19	1.56	2.52	3.29	3.08	2.38	2.01	4.15	5.71	4.50	0.12	3.78	3.26	1.80	1.82	2.43	1.27	1.40	1.30
161.2	2.09	2.46	1.40	1.44	3.03	3.80	3.68	2.93	1.51	4.52	4.05	4.39	0.01	2.65	3.36	1.85	1.75	3.09	1.51	1.38	1.19
176.8	2.24	2.06	0.67	1.33	3.64	4.32	4.29	3.61	0.85	4.74	3.67	2.95	0.00	3.47	3.39	1.82	1.60	3.83	1.82	2.55	1.01
194.2	2.34	1.59	0.21	1.20	4.28	4.74	4.78	4.36	0.33	4.70	2.89	2.72	0.00	2.43	3.38	1.69	1.40	4.61	2.24	1.55	0.80
213.2	2.35	1.15	0.03	1.04	4.80	4.99	5.04	5.10	0.06	4.37	4.48	3.58	0.00	4.77	3.33	1.51	1.22	5.30	2.81	2.02	0.62
234.1	2.28	0.82	0.00	0.83	5.07	4.96	4.96	5.70	0.00	3.80	2.22	2.53	0.00	3.98	3.26	1.35	1.10	5.80	3.51	0.84	0.53
256.8	2.13	0.64	0.00	0.58	5.01	4.65	4.54	6.03	0.00	3.08	3.46	0.52	0.00	3.46	3.18	1.28	1.09	6.00	4.27	1.77	0.56
282.1	1.95	0.60	0.00	0.32	4.60	4.08	3.88	5.98	0.00	2.35	2.32	0.93	0.00	5.97	3.05	1.33	1.18	5.85	4.93	3.65	0.69
309.6	1.79	0.66	0.00	0.12	3.92	3.37	3.12	5.55	0.00	1.74	4.86	2.94	0.00	1.59	2.82	1.46	1.31	5.36	5.35	3.18	0.88
339.8	1.67	0.78	0.00	0.02	3.12	2.65	2.43	4.77	0.00	1.30	5.76	0.00	0.00	0.00	2.47	1.62	1.43	4.59	5.41	0.00	1.04
373.1	1.63	0.91	0.00	0.00	2.36	2.04	1.91	3.81	0.00	1.04	2.80	0.00	0.00	0.00	2.02	1.73	1.48	3.70	5.11	7.13	1.10
409.6	1.70	1.00	0.00	0.00	1.76	1.62	1.62	2.86	0.00	0.93	13.44	0.00	0.00	0.00	1.56	1.74	1.44	2.84	4.56	0.00	1.04
449.7	1.86	1.03	0.00	0.00	1.39	1.41	1.52	2.07	0.00	0.93	0.00	0.00	0.00	0.00	1.17	1.67	1.34	2.15	3.94	0.00	0.91
493.6	2.11	0.96	0.00	0.00	1.23	1.37	1.54	1.56	0.00	1.00	0.00	0.00	0.00	0.00	0.92	1.55	1.24	1.69	3.39	0.00	0.78
541.9	2.43	0.68	0.00	0.00	1.23	1.45	1.61	1.32	0.00	1.11	0.00	0.00	0.00	0.00	0.82	1.43	1.16	1.47	3.03	0.00	0.71
594.9	2.79	0.34	0.00	0.00	1.33	1.57	1.66	1.29	0.00	1.24	0.00	0.00	0.00	0.00	0.83	1.35	1.11	1.40	2.86	0.00	0.70
653	3.17	0.08	0.00	0.00	1.44	1.66	1.65	1.39	0.00	1.36	0.00	0.00	0.00	0.00	0.89	1.29	1.07	1.42	2.79	0.00	0.74
716.9	3.50	0.01	0.00	0.00	1.46	1.66	1.58	1.51	0.00	1.46			0.00		0.93	1.25	1.00	1.43	2.73		0.73
786.9	3.74	0.00	0.00	0.00	1.35	1.56	1.46	1.57	0.00	1.51			0.00		0.88	1.18	0.87	1.37	2.56		0.56
863.9	3.85	0.00	0.00	0.00	1.09	1.37	1.33	1.52	0.00	1.48			0.00		0.74	1.06	0.66	1.22	2.24		0.29
948.2	3.81	0.00	0.00	0.00	0.74	1.15	1.24	1.36	0.00	1.39			0.00		0.54	0.88	0.38	1.03	1.80		0.07
1041	3.62	0.00	0.00	0.00	0.38	0.91	1.19	1.12	0.00	1.26			0.00		0.32	0.65	0.15	0.82	1.30		0.01
1143	3.35	0.00	0.00	0.00	0.13	0.71	1.21	0.85	0.00	1.14			0.00		0.14	0.38	0.03	0.66	0.81		0.00
1255	3.03	0.00	0.00	0.00	0.02	0.53	1.29	0.58	0.00	1.06			0.00		0.04	0.15	0.00	0.53	0.39		0.00
1377	2.69	0.00	0.00	0.00	0.00	0.37	1.38	0.32	0.00	1.01			0.00		0.01	0.03	0.00	0.42	0.12		0.00
1512	2.30	0.00	0.00	0.00	0.00	0.21	1.42	0.12	0.00	0.97			0.00		0.00	0.00	0.00	0.29	0.02		0.00
1660	2.00	0.00	0.00	0.00	0.00	0.10	1.41	0.02	0.00	0.93			0.00		0.00	0.00	0.00	0.19	0.00		0.00
1822	1.70	0.00	0.00	0.00	0.00	0.02	1.35	0.00	0.00	0.89			0.00		0.00	0.00	0.00	0.08	0.00		0.00
2000																					

NEREIDA

2009061
All phases

STN (Nereida BC)	50	51	52	53	57	58	59	60	61	63	67	68	70	71	72	73	74	75	76	77	78
STN (GSC)	**0066**	**0068**	**0070**	**0071**	**0075**	**0076**	**0078**	**0079**	**0080**	**0082**	**0084**	**0086**	**0087**	**0088**	**0090**	**0091**	**0092**	**0094**	**0095**	**0096**	**0097**
Top int cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm
Bot int cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm
T.C. (%)	2.8	2.3	2.9	2.9	2.5	0.7	2.5	2.1	2.0	2.5	1.3	1.7	1.8	2.9	2.6	2.9	1.5	1.2	1.7	2.8	3.5
T.C. (%) dup																					
O.C. (%)	0.5	0.3	0.5	0.5	0.5	0.1	0.5	0.4	0.4	0.4	0.2	0.3	0.3	0.5	0.5	0.5	0.4	0.2	0.4	0.3	0.2
O.C. (%) dup																					
I.C. (%) by diff.	2.3	2.0	2.4	2.4	2.0	0.6	2.0	1.7	1.6	2.0	1.1	1.4	1.5	2.4	2.2	2.3	1.1	0.9	1.3	2.4	3.3
% sortable silt	51.2	56.5	51.5	51.2	50.7	3.7	46.3	48.5	44.2	52.1	11.0	35.4	40.1	56.0	50.2	50.1	30.7	13.3	40.8	53.3	44.3
%clay	**20.1**	**14.5**	**21.6**	**21.9**	**21.3**	**2.6**	**19.1**	**12.5**	**14.2**	**18.9**	**4.2**	**8.3**	**12.3**	**19.4**	**21.5**	**25.1**	**12.4**	**5.5**	**12.0**	**14.7**	**12.7**
%silt	**74.7**	**68.2**	**72.4**	**71.7**	**67.3**	**5.5**	**65.4**	**60.5**	**56.8**	**66.3**	**14.6**	**45.3**	**51.5**	**75.3**	**70.1**	**70.6**	**41.1**	**17.3**	**53.2**	**66.0**	**54.4**
%sand	**5.1**	**17.3**	**6.0**	**6.4**	**11.3**	**91.8**	**15.5**	**27.0**	**29.1**	**14.8**	**81.2**	**46.4**	**36.2**	**5.3**	**8.5**	**4.3**	**46.5**	**77.2**	**34.7**	**19.3**	**32.8**
% gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.375	0.08	0.07	0.10	0.11	0.11	0.01	0.08	0.06	0.06	0.10	0.02	0.04	0.06	0.09	0.11	0.13	0.06	0.03	0.05	0.08	0.07
0.412	0.15	0.13	0.18	0.19	0.20	0.02	0.15	0.10	0.11	0.18	0.03	0.07	0.11	0.16	0.19	0.23	0.10	0.05	0.09	0.14	0.12
0.452	0.22	0.19	0.27	0.28	0.29	0.03	0.22	0.15	0.17	0.26	0.05	0.10	0.17	0.23	0.28	0.34	0.15	0.07	0.14	0.20	0.17
0.496	0.31	0.28	0.38	0.40	0.41	0.04	0.31	0.21	0.24	0.38	0.07	0.14	0.24	0.33	0.40	0.49	0.21	0.10	0.19	0.29	0.24
0.545	0.38	0.35	0.48	0.49	0.51	0.05	0.38	0.26	0.30	0.47	0.08	0.18	0.30	0.41	0.50	0.61	0.26	0.12	0.24	0.36	0.30
0.598	0.45	0.41	0.56	0.58	0.60	0.06	0.45	0.31	0.35	0.55	0.10	0.21	0.35	0.48	0.59	0.71	0.31	0.14	0.28	0.42	0.35
0.657	0.51	0.46	0.63	0.65	0.67	0.07	0.51	0.35	0.40	0.62	0.11	0.24	0.39	0.54	0.66	0.80	0.35	0.16	0.32	0.47	0.40
0.721	0.57	0.51	0.70	0.72	0.75	0.08	0.57	0.39	0.44	0.69	0.13	0.26	0.43	0.60	0.73	0.89	0.39	0.18	0.36	0.53	0.44
0.791	0.61	0.55	0.75	0.78	0.81	0.09	0.61	0.42	0.48	0.74	0.14	0.28	0.46	0.65	0.79	0.95	0.42	0.20	0.39	0.57	0.48
0.869	0.65	0.59	0.79	0.82	0.85	0.09	0.65	0.45	0.51	0.78	0.15	0.30	0.49	0.69	0.83	1.00	0.45	0.21	0.41	0.60	0.51
0.953	0.68	0.61	0.82	0.86	0.89	0.10	0.68	0.47	0.53	0.81	0.15	0.31	0.50	0.72	0.86	1.04	0.47	0.22	0.43	0.62	0.52
1.047	0.71	0.63	0.85	0.88	0.91	0.11	0.70	0.49	0.55	0.83	0.16	0.32	0.51	0.74	0.88	1.06	0.48	0.23	0.45	0.64	0.54
1.149	0.73	0.64	0.86	0.90	0.93	0.11	0.73	0.50	0.57	0.84	0.17	0.32	0.52	0.76	0.90	1.07	0.49	0.23	0.46	0.65	0.55
1.261	0.76	0.65	0.88	0.91	0.93	0.12	0.75	0.51	0.58	0.84	0.17	0.33	0.52	0.78	0.90	1.08	0.51	0.24	0.47	0.65	0.55
1.385	0.78	0.65	0.89	0.92	0.94	0.12	0.76	0.52	0.59	0.84	0.18	0.33	0.52	0.79	0.91	1.08	0.52	0.24	0.49	0.65	0.55
1.52	0.81	0.65	0.90	0.93	0.94	0.12	0.78	0.53	0.60	0.84	0.18	0.34	0.52	0.81	0.91	1.08	0.53	0.24	0.50	0.65	0.55
1.669	0.84	0.65	0.92	0.94	0.95	0.13	0.81	0.55	0.62	0.84	0.19	0.34	0.52	0.83	0.92	1.08	0.54	0.25	0.51	0.65	0.56
1.832	0.88	0.65	0.94	0.96	0.95	0.13	0.85	0.56	0.64	0.84	0.19	0.35	0.53	0.86	0.93	1.09	0.56	0.25	0.54	0.65	0.56
2.01	0.94	0.66	0.97	0.99	0.97	0.13	0.89	0.58	0.66	0.84	0.20	0.37	0.54	0.89	0.96	1.11	0.58	0.26	0.56	0.66	0.57
2.207	1.00	0.67	1.02	1.03	0.99	0.13	0.94	0.61	0.69	0.85	0.21	0.39	0.56	0.93	0.99	1.14	0.60	0.26	0.59	0.66	0.58
2.423	1.08	0.68	1.07	1.08	1.01	0.14	1.00	0.64	0.73	0.87	0.22	0.41	0.58	0.99	1.03	1.18	0.63	0.27	0.63	0.68	0.60
2.66	1.17	0.70	1.14	1.14	1.05	0.14	1.07	0.68	0.77	0.89	0.23	0.45	0.61	1.06	1.08	1.23	0.67	0.28	0.67	0.71	0.63
2.92	1.28	0.73	1.22	1.21	1.09	0.15	1.16	0.72	0.82	0.93	0.24	0.48	0.65	1.13	1.15	1.30	0.71	0.30	0.72	0.74	0.66
3.206	1.39	0.76	1.31	1.29	1.15	0.15	1.24	0.77	0.87	0.96	0.26	0.53	0.70	1.22	1.23	1.37	0.76	0.31	0.78	0.78	0.70
3.519	1.51	0.80	1.41	1.38	1.20	0.15	1.34	0.82	0.92	1.01	0.27	0.58	0.75	1.31	1.32	1.45	0.80	0.32	0.84	0.82	0.74
3.862	1.65	0.84	1.51	1.48	1.27	0.16	1.44	0.88	0.98	1.06	0.29	0.63	0.80	1.40	1.41	1.55	0.85	0.34	0.91	0.88	0.78
4.241	1.78	0.89	1.62	1.58	1.33	0.16	1.54	0.94	1.04	1.12	0.30	0.70	0.87	1.51	1.52	1.64	0.90	0.35	0.97	0.93	0.83
4.656	1.92	0.95	1.73	1.69	1.40	0.17	1.63	1.00	1.09	1.18	0.32	0.76	0.93	1.61	1.62	1.74	0.94	0.37	1.04	1.00	0.88
5.111	2.06	1.00	1.84	1.79	1.47	0.17	1.73	1.06	1.15	1.24	0.33	0.82	0.99	1.71	1.73	1.83	0.98	0.38	1.11	1.07	0.92
5.611	2.19	1.06	1.95	1.90	1.55	0.18	1.82	1.12	1.20	1.31	0.35	0.89	1.06	1.81	1.84	1.93	1.02	0.40	1.17	1.14	0.97
6.158	2.32	1.13	2.06	2.01	1.62	0.18	1.90	1.18	1.25	1.37	0.36	0.96	1.12	1.90	1.94	2.02	1.05	0.41	1.23	1.21	1.01
6.761	2.44	1.19	2.16	2.11	1.69	0.18	1.98	1.24	1.30	1.44	0.37	1.03	1.18	1.99	2.05	2.11	1.08	0.42	1.29	1.29	1.04
7.421	2.56	1.27	2.26	2.21	1.76	0.19	2.04	1.29	1.34	1.52	0.38	1.09	1.24	2.08	2.15	2.19	1.10	0.43	1.34	1.37	1.07
8.147	2.66	1.34	2.35	2.32	1.84	0.19	2.10	1.34	1.38	1.60	0.39	1.16	1.30	2.16	2.25	2.28	1.12	0.44	1.39	1.45	1.10
8.944	2.76	1.42	2.44	2.42	1.92	0.19	2.15	1.40	1.41	1.69	0.39	1.22	1.35	2.23	2.34	2.36	1.13	0.44	1.43	1.54	1.12
9.819	2.84	1.51	2.53	2.52	2.00	0.19	2.19	1.45	1.44	1.78	0.40	1.28	1.41	2.31	2.43	2.44	1.14	0.45	1.46	1.63	1.15
10.78	2.92	1.62	2.60	2.63	2.09	0.19	2.22	1.50	1.48	1.89	0.40	1.33	1.46	2.38	2.52	2.52	1.14	0.45	1.49	1.73	1.17
11.83	2.97	1.73	2.68	2.73	2.19	0.18	2.25	1.56	1.51	2.00	0.40	1.38	1.52	2.45	2.60	2.61	1.14	0.46	1.51	1.84	1.19
12.99	3.02	1.86	2.75	2.83	2.29	0.18	2.28	1.63	1.55	2.13	0.40	1.43	1.57	2.54	2.67	2.70	1.15	0.47	1.53	1.95	1.22
14.26	3.07	2.01	2.84	2.95	2.41	0.18	2.31	1.72	1.61	2.27	0.40	1.47	1.64	2.64	2.75	2.80	1.17	0.48	1.56	2.08	1.27
15.65	3.12	2.18	2.93	3.07	2.55	0.17	2.36	1.83	1.68	2.43	0.41	1.52	1.72	2.77	2.84	2.91	1.20	0.50	1.60	2.22	1.34
17.18	3.16	2.38	3.03	3.18	2.69	0.17	2.43	1.96	1.78	2.60	0.42	1.58	1.81	2.92	2.92	3.02	1.25	0.53	1.66	2.38	1.44
18.86	3.19	2.59	3.11	3.28	2.83	0.16	2.50	2.11	1.89	2.77	0.43	1.63	1.91	3.08	2.99	3.12	1.31	0.56	1.74	2.54	1.57
20.7	3.19	2.81	3.16	3.32	2.93	0.16	2.56	2.28	2.01	2.90	0.45	1.70	2.01	3.24	3.02	3.17	1.38	0.59	1.83	2.70	1.72
22.73	3.14	3.02	3.16	3.31	3.00	0.16	2.60	2.46	2.13	3.01	0.48	1.76	2.10	3.38	3.01	3.17	1.44	0.63	1.93	2.85	1.89
24.95	3.06	3.21	3.12	3.23	3.02	0.16	2.62	2.63	2.25	3.08	0.51	1.82	2.18	3.48	2.97	3.12	1.51	0.67	2.03	2.99	2.08
27.38	2.95	3.40	3.05	3.10	3.02	0.17	2.62	2.80	2.37	3.12	0.54	1.89	2.25	3.55	2.89	3.04	1.59	0.70	2.15	3.11	2.30
30.07	2.83	3.57	2.97	2.93	2.99	0.17	2.62	2.95	2.49	3.14	0.58	1.97	2.33	3.57	2.80	2.92	1.68	0.75	2.26	3.23	2.54
33	2.68	3.72	2.86	2.75	2.96	0.18	2.60	3.09	2.62	3.15	0.63	2.04	2.40	3.52	2.71	2.76	1.78	0.79	2.39	3.34	2.82
36.24	2.52	3.84	2.73	2.55	2.91	0.20	2.57	3.20	2.75	3.15	0.68	2.11	2.47	3.41	2.62	2.57	1.89	0.84	2.52	3.44	3.12
39.77	2.31	3.89	2.57	2.34	2.84	0.21	2.53	3.29	2.90	3.12	0.73	2.17	2.52	3.22	2.51	2.35	1.99	0.88	2.66	3.51	3.42
43.66	2.08	3.88	2.36	2.11	2.75	0.23	2.47	3.35	3.05	3.05	0.77	2.24	2.55	2.96	2.37	2.12	2.09	0.91	2.80	3.54	3.67
47.93	1.85	3.77	2.11	1.87	2.60	0.26	2.38	3.37	3.21	2.93	0.83	2.32	2.56	2.64	2.20	1.90	2.19	0.95	2.93	3.48	3.85
52.63	1.64	3.59	1.85	1.62	2.42	0.28	2.26	3.37	3.37	2.76	0.91	2.44	2.55	2.31	2.00	1.72	2.30	1.00	3.05	3.33	3.90
57.77	1.47	3.38	1.60	1.37	2.22	0.30	2.13	3.33	3.52	2.56	1.03	2.63	2.53	1.97	1.78	1.55	2.43	1.10	3.17	3.07	3.82
63.41	1.34	3.17	1.38	1.14	2.02	0.32	1.99	3.27	3.63	2.34	1.21	2.89	2.51	1.65	1.58	1.38	2.58	1.27	3.32	2.74	3.63
69.62	1.21	2.99	1.20	0.97	1.85	0.32	1.87	3.17	3.68	2.15	1.48	3.23	2.48	1.34	1.41	1.16	2.73	1.51	3.53	2.37	3.36
76.43	1.03	2.83	1.05	0.86	1.71	0.33	1.78	3.04	3.64	2.00	1.81	3.60	2.45	1.02	1.29	0.88	2.87	1.84	3.81	2.03	3.09
83.9	0.79	2.60	0.89	0.80	1.59	0.38	1.73	2.87	3.50	1.89	2.19	3.95	2.40	0.71	1.18	0.56	2.96	2.22	4.14	1.74	2.85
92.09	0.49	2.24	0.69	0.75	1.43	0.48	1.71	2.67	3.25	1.78	2.57	4.21	2.31	0.40	1.05	0.27	2.97	2.59	4.43	1.54	2.68
101.1	0.22	1.71	0.47	0.68	1.19	0.68	1.68	2.44	2.91	1.61	2.89	4.31	2.18	0.16	0.86	0.08	2.89	2.90	4.48	1.39	2.59
111	0.06	1.07	0.24	0.55	0.86	1.03	1.58	2.18	2.52	1.33	3.09	4.22	2.01	0.04	0.62	0.01	2.74	3.10	4.12	1.28	2.55
121.8	0.01	0.50	0.08	0.36	0.48	1.56	1.35	1.91	2.08	0.96	3.16	3.94	1.80	0.00	0.34	0.00	2.54	3.15	3.28	1.16	2.54
133.7	0.00	0.15	0.01	0.18	0.18	2.26	1.00	1.62	1.61	0.53	3.11	3.51	1.58	0.00	0.13	0.00	2.32	3.07	2.16	1.00	2.48
146.8	0.00	0.02	0.00	0.06	0.03	3.09	0.57	1.27	1.13	0.20	2.95	2.95	1.32	0.00	0.02	0.00	2.09	2.88	1.06	0.82	2.29
161.2	0.00	0.00	0.00	0.01	0.00	3.97	0.23	0.89	0.69	0.04	2.73	2.31	1.04	0.00	0.00	0.00	1.83	2.61	0.34	0.65	1.94
176.8	0.00	0.00	0.00	0.00	0.00	4.77	0.04	0.51	0.32	0.00	2.48	1.63	0.71	0.00	0.00	0.00	1.55	2.33	0.06	0.53	1.43
194.2	0.00	0.00	0.00	0.00	0.00	5.38	0.00	0.22	0.10	0.00	2.24	0.97	0.40	0.00	0.00	0.00	1.26	2.07	0.00	0.46	0.87
213.2	0.00	0.00	0.00	0.00	0.00	5.72	0.00	0.09	0.02	0.00	2.06	0.44	0.20	0.00	0.00	0.00	1.01	1.87	0.00	0.44	0.40
234.1	0.00	0.00	0.00	0.00	0.00	5.76	0.00	0.07	0.00	0.00	1.95	0.14	0.12	0.00	0.00	0.00	0.87	1.76	0.00	0.42	0.12
256.8	0.00	0.00	0.00	0.00	0.00	5.53	0.00	0.12	0.00	0.00	1.92	0.05	0.17	0.00	0.00	0.00	0.84	1.74	0.00	0.36	0.02
282.1	0.00	0.00	0.00	0.00	0.00	5.08	0.00	0.20	0.00	0.00	1.96	0.06	0.34	0.00	0.00	0.00	0.92	1.79	0.00	0.24	0.00
309.6	0.00	0.00	0.00	0.00	0.00	4.53	0.00	0.22	0.00	0.00	2.04	0.16	0.60	0.00	0.00	0.00	1.06	1.89	0.00	0.10	0.00
339.8	0.00	0.00	0.00	0.00	0.00	3.97	0.00	0.15	0.00	0.00	2.13	0.31	0.84	0.00	0.00	0.00	1.19	2.00	0.00	0.02	0.00
373.1	0.00	0.00	0.00	0.00	0.00	3.47	0.00	0.06	0.00	0.00	2.23	0.43	0.98	0.00	0.00	0.00	1.25	2.11	0.00	0.00	0.00
409.6	0.00	0.00	0.00	0.00	0.00	3.08	0.00	0.01	0.00	0.00	2.31	0.50	1.03	0.00	0.00	0.00	1.22	2.21	0.00	0.00	0.00
449.7	0.00	0.00	0.00	0.00	0.00	2.81	0.00	0.00	0.00	0.00	2.38	0.50	1.03	0.00	0.00	0.00	1.12	2.29	0.00	0.00	0.00
493.6	0.00	0.00	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00	2.46	0.47	1.04	0.00	0.00	0.00	1.01	2.35	0.00	0.00	0.00
541.9	0.00	0.00	0.00	0.00	0.00	2.52	0.00	0.00	0.00	0.00	2.53	0.43	1.10	0.00	0.00	0.00	0.94	2.42	0.00	0.00	0.00
594.9	0.00	0.00	0.00	0.00	0.00	2.45	0.00	0.00	0.00	0.00	2.61	0.38	1.21	0.00	0.00	0.00	0.90	2.47	0.00	0.00	0.00
653	0.00	0.00	0.00	0.00	0.00	2.37	0.00	0.00	0.00	0.00	2.67	0.35	1.33	0.00	0.00	0.00	0.89	2.52	0.00	0.00	0.00
716.9	0.00	0.00	0.00	0.00	0.00	2.27	0.00	0.00	0.00	0.00	2.72	0.26	1.33	0.00	0.00	0.00	0.86	2.55	0.00	0.00	0.00
786.9	0.00	0.00	0.00	0.00	0.00	2.14	0.00	0.00	0.00	0.00	2.70	0.14	1.01	0.00	0.00	0.00	0.64	2.54	0.00	0.00	0.00
863.9	0.00	0.00	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00	2.61	0.03	0.53	0.00	0.00	0.00	0.34	2.46	0.00	0.00	0.00
948.2	0.00	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00	2.43	0.00	0.13	0.00	0.00	0.00	0.08	2.31	0.00	0.00	0.00
1041	0.00	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00	2.19	0.00	0.01	0.00	0.00	0.00	0.01	2.08	0.00	0.00	0.00
1143	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00
1255	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00
1377	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00
1512	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00
1660	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00
1822	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
2000																					

NEREIDA

2009061
All phases

STN (Nereida BC)	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
STN (GSC)	**0099**	**0101**	**0102**	**0103**	**0104**	**0105**	**0106**	**0107**	**0109**	**0110**	**0111**	**0112**	**0113**	**0114**	**0116**	**0117**	**0118**	**0119**	**0120**	**0121**	**0122**
Top int cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm
Bot int cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm
T.C. (%)	2.6	3.9	3.4	3.0	2.9	3.1	2.8	2.9	3.8	3.5	3.3	2.9	2.9	2.9	3.3	3.4	3.8	3.6	3.6	3.8	3.6
T.C. (%) dup																					
O.C. (%)	0.3	0.3	0.5	0.6	0.4	0.7	0.3	0.4	0.4	0.5	0.7	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3
O.C. (%) dup																					
I.C. (%) by diff.	2.3	3.5	2.9	2.5	2.5	2.4	2.5	2.5	3.4	3.1	2.5	2.4	2.4	2.4	2.9	3.1	3.5	3.3	3.3	3.5	3.2
% sortable silt	56.9	58.5	43.1	52.9	43.2	39.1	48.8	54.0	42.4	44.4	36.6	47.0	44.2	40.6	58.9	34.6	50.9	42.4	43.8	43.4	24.6
%clay	**14.2**	**13.8**	**23.2**	**21.7**	**16.3**	**21.1**	**11.9**	**23.2**	**17.8**	**23.0**	**30.4**	**25.1**	**25.0**	**24.4**	**12.1**	**11.9**	**11.6**	**12.8**	**10.0**	**14.3**	**13.3**
%silt	**67.6**	**73.0**	**65.0**	**70.9**	**55.4**	**59.2**	**58.0**	**71.6**	**59.1**	**63.2**	**64.1**	**66.2**	**63.5**	**61.0**	**69.1**	**45.4**	**62.9**	**53.4**	**52.5**	**57.4**	**35.7**
%sand	**18.2**	**13.2**	**11.8**	**7.4**	**28.3**	**19.7**	**30.1**	**5.3**	**23.1**	**13.8**	**5.5**	**8.7**	**11.5**	**14.5**	**18.8**	**42.7**	**25.6**	**33.8**	**37.5**	**28.3**	**51.0**
% gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.375	0.08	0.07	0.12	0.12	0.09	0.10	0.06	0.13	0.09	0.13	0.15	0.14	0.13	0.12	0.06	0.06	0.05	0.07	0.05	0.07	0.07
0.412	0.14	0.12	0.21	0.21	0.16	0.18	0.11	0.22	0.16	0.23	0.26	0.25	0.23	0.22	0.11	0.11	0.10	0.12	0.09	0.12	0.13
0.452	0.20	0.17	0.30	0.31	0.24	0.26	0.17	0.33	0.23	0.34	0.38	0.36	0.34	0.32	0.17	0.16	0.14	0.18	0.14	0.18	0.19
0.496	0.29	0.24	0.43	0.44	0.34	0.38	0.24	0.47	0.33	0.49	0.54	0.51	0.48	0.46	0.24	0.23	0.20	0.25	0.19	0.26	0.27
0.545	0.36	0.30	0.53	0.55	0.42	0.47	0.30	0.58	0.41	0.60	0.67	0.64	0.60	0.57	0.30	0.28	0.25	0.31	0.24	0.32	0.34
0.598	0.42	0.36	0.62	0.64	0.49	0.54	0.35	0.68	0.48	0.70	0.78	0.75	0.70	0.67	0.35	0.33	0.30	0.36	0.28	0.37	0.39
0.657	0.48	0.40	0.70	0.72	0.55	0.61	0.39	0.77	0.54	0.79	0.87	0.84	0.79	0.75	0.39	0.37	0.33	0.41	0.32	0.42	0.44
0.721	0.53	0.45	0.77	0.80	0.61	0.68	0.44	0.85	0.59	0.87	0.97	0.93	0.88	0.83	0.44	0.41	0.37	0.45	0.35	0.46	0.48
0.791	0.57	0.48	0.83	0.86	0.66	0.73	0.47	0.92	0.64	0.93	1.04	1.00	0.95	0.90	0.47	0.44	0.40	0.48	0.38	0.49	0.51
0.869	0.61	0.51	0.87	0.91	0.69	0.77	0.50	0.97	0.67	0.98	1.09	1.05	1.00	0.94	0.50	0.46	0.42	0.51	0.40	0.52	0.54
0.953	0.63	0.53	0.90	0.94	0.71	0.79	0.52	1.00	0.69	1.00	1.13	1.08	1.03	0.98	0.52	0.47	0.44	0.52	0.41	0.54	0.55
1.047	0.64	0.54	0.92	0.96	0.73	0.81	0.53	1.03	0.70	1.01	1.15	1.10	1.06	1.00	0.54	0.48	0.45	0.53	0.42	0.55	0.55
1.149	0.65	0.55	0.94	0.97	0.73	0.83	0.54	1.04	0.72	1.02	1.17	1.12	1.07	1.02	0.55	0.49	0.46	0.54	0.43	0.56	0.55
1.261	0.65	0.56	0.94	0.97	0.73	0.84	0.54	1.04	0.72	1.01	1.19	1.12	1.08	1.02	0.55	0.49	0.47	0.54	0.43	0.56	0.55
1.385	0.65	0.57	0.95	0.97	0.73	0.85	0.54	1.04	0.72	1.00	1.20	1.11	1.08	1.03	0.55	0.49	0.48	0.54	0.43	0.57	0.55
1.52	0.64	0.57	0.96	0.96	0.72	0.86	0.54	1.03	0.73	0.98	1.22	1.10	1.08	1.04	0.55	0.49	0.48	0.54	0.43	0.58	0.54
1.669	0.64	0.58	0.97	0.95	0.72	0.88	0.53	1.03	0.74	0.97	1.25	1.09	1.09	1.05	0.55	0.50	0.49	0.54	0.43	0.59	0.54
1.832	0.63	0.60	1.00	0.95	0.71	0.91	0.53	1.03	0.76	0.97	1.30	1.09	1.10	1.07	0.54	0.51	0.50	0.55	0.43	0.61	0.55
2.01	0.63	0.62	1.03	0.96	0.71	0.95	0.53	1.03	0.78	0.98	1.36	1.10	1.12	1.10	0.55	0.52	0.52	0.56	0.44	0.63	0.56
2.207	0.63	0.65	1.08	0.97	0.72	1.00	0.53	1.04	0.82	0.99	1.44	1.11	1.15	1.13	0.55	0.54	0.54	0.58	0.45	0.67	0.58
2.423	0.64	0.68	1.14	0.99	0.73	1.06	0.54	1.06	0.87	1.02	1.53	1.14	1.19	1.18	0.56	0.57	0.57	0.60	0.47	0.71	0.61
2.66	0.65	0.73	1.21	1.02	0.75	1.13	0.55	1.08	0.93	1.06	1.65	1.18	1.23	1.25	0.57	0.61	0.61	0.64	0.49	0.77	0.65
2.92	0.66	0.78	1.30	1.06	0.78	1.22	0.57	1.12	1.00	1.12	1.78	1.22	1.29	1.32	0.59	0.66	0.66	0.68	0.52	0.83	0.70
3.206	0.68	0.85	1.40	1.12	0.82	1.31	0.59	1.17	1.08	1.19	1.93	1.28	1.36	1.40	0.61	0.71	0.71	0.72	0.55	0.90	0.76
3.519	0.71	0.92	1.51	1.18	0.86	1.41	0.62	1.22	1.16	1.27	2.08	1.35	1.43	1.49	0.64	0.76	0.76	0.77	0.59	0.98	0.82
3.862	0.75	1.00	1.63	1.25	0.90	1.52	0.65	1.29	1.26	1.36	2.24	1.42	1.51	1.59	0.68	0.82	0.83	0.83	0.63	1.06	0.88
4.241	0.79	1.08	1.75	1.33	0.95	1.62	0.69	1.36	1.35	1.46	2.39	1.51	1.59	1.69	0.72	0.88	0.90	0.88	0.67	1.14	0.94
4.656	0.83	1.17	1.87	1.42	1.01	1.73	0.73	1.43	1.44	1.56	2.53	1.59	1.67	1.78	0.77	0.94	0.97	0.94	0.72	1.22	1.00
5.111	0.89	1.25	1.98	1.51	1.06	1.83	0.77	1.51	1.53	1.66	2.65	1.68	1.75	1.87	0.82	0.99	1.04	1.00	0.76	1.29	1.06
5.611	0.94	1.34	2.09	1.62	1.12	1.92	0.82	1.60	1.61	1.75	2.75	1.77	1.83	1.96	0.88	1.04	1.11	1.05	0.81	1.36	1.10
6.158	1.01	1.42	2.19	1.72	1.17	2.01	0.88	1.69	1.68	1.85	2.83	1.86	1.91	2.04	0.95	1.08	1.17	1.09	0.85	1.42	1.14
6.761	1.08	1.50	2.28	1.83	1.23	2.08	0.93	1.78	1.74	1.94	2.88	1.96	1.98	2.11	1.02	1.12	1.24	1.14	0.90	1.46	1.16
7.421	1.16	1.57	2.36	1.95	1.30	2.15	1.00	1.88	1.79	2.02	2.90	2.05	2.05	2.17	1.10	1.15	1.30	1.17	0.94	1.50	1.18
8.147	1.25	1.64	2.42	2.07	1.36	2.20	1.07	1.99	1.82	2.10	2.89	2.15	2.12	2.22	1.19	1.17	1.36	1.20	0.98	1.53	1.18
8.944	1.35	1.70	2.48	2.20	1.43	2.25	1.15	2.11	1.85	2.17	2.85	2.25	2.19	2.27	1.29	1.18	1.42	1.23	1.02	1.54	1.18
9.819	1.47	1.76	2.51	2.34	1.51	2.29	1.24	2.24	1.86	2.25	2.79	2.36	2.27	2.30	1.41	1.19	1.47	1.25	1.06	1.54	1.16
10.78	1.61	1.81	2.53	2.47	1.59	2.32	1.34	2.38	1.86	2.31	2.70	2.47	2.34	2.34	1.55	1.19	1.53	1.28	1.10	1.54	1.14
11.83	1.78	1.86	2.54	2.61	1.68	2.34	1.46	2.54	1.87	2.38	2.60	2.58	2.42	2.36	1.71	1.20	1.59	1.31	1.15	1.54	1.12
12.99	1.97	1.92	2.54	2.76	1.79	2.37	1.61	2.70	1.88	2.46	2.51	2.69	2.50	2.40	1.90	1.21	1.66	1.36	1.22	1.55	1.11
14.26	2.19	1.99	2.55	2.90	1.90	2.41	1.77	2.88	1.91	2.55	2.45	2.81	2.60	2.45	2.12	1.25	1.75	1.43	1.30	1.59	1.12
15.65	2.44	2.10	2.57	3.04	2.04	2.46	1.96	3.06	1.97	2.65	2.43	2.94	2.70	2.52	2.37	1.31	1.86	1.52	1.42	1.66	1.16
17.18	2.71	2.23	2.59	3.17	2.17	2.52	2.16	3.23	2.06	2.75	2.45	3.05	2.81	2.58	2.64	1.39	2.01	1.64	1.55	1.76	1.21
18.86	2.99	2.40	2.61	3.28	2.29	2.56	2.37	3.37	2.16	2.80	2.46	3.13	2.88	2.63	2.92	1.48	2.19	1.78	1.72	1.90	1.27
20.7	3.26	2.59	2.60	3.34	2.39	2.57	2.57	3.45	2.25	2.79	2.44	3.16	2.91	2.64	3.20	1.59	2.38	1.93	1.90	2.04	1.31
22.73	3.49	2.81	2.56	3.35	2.44	2.52	2.74	3.48	2.31	2.71	2.35	3.12	2.87	2.60	3.45	1.69	2.59	2.08	2.10	2.19	1.33
24.95	3.67	3.04	2.49	3.30	2.46	2.43	2.87	3.44	2.35	2.58	2.20	3.01	2.77	2.50	3.67	1.78	2.80	2.21	2.31	2.32	1.34
27.38	3.77	3.30	2.39	3.20	2.47	2.30	2.97	3.35	2.37	2.44	2.01	2.85	2.62	2.37	3.84	1.87	3.01	2.33	2.52	2.46	1.34
30.07	3.80	3.58	2.28	3.07	2.49	2.15	3.03	3.21	2.38	2.32	1.81	2.65	2.44	2.21	3.96	1.95	3.21	2.45	2.72	2.59	1.34
33	3.77	3.85	2.18	2.92	2.51	1.99	3.08	3.02	2.40	2.24	1.62	2.44	2.26	2.06	4.02	2.03	3.40	2.57	2.92	2.72	1.35
36.24	3.67	4.10	2.07	2.76	2.53	1.82	3.11	2.80	2.43	2.17	1.45	2.21	2.07	1.89	4.02	2.11	3.55	2.70	3.08	2.83	1.36
39.77	3.53	4.29	1.97	2.60	2.54	1.64	3.15	2.57	2.46	2.09	1.30	1.99	1.89	1.72	3.95	2.20	3.64	2.84	3.22	2.92	1.38
43.66	3.36	4.36	1.85	2.41	2.53	1.45	3.17	2.36	2.49	1.99	1.16	1.78	1.73	1.55	3.80	2.32	3.66	2.99	3.31	2.98	1.39
47.93	3.17	4.31	1.72	2.19	2.50	1.26	3.18	2.18	2.49	1.86	1.02	1.57	1.57	1.39	3.58	2.47	3.58	3.15	3.37	2.98	1.40
52.63	2.95	4.14	1.58	1.93	2.46	1.09	3.15	2.05	2.45	1.72	0.90	1.37	1.44	1.25	3.29	2.68	3.40	3.33	3.41	2.94	1.43
57.77	2.73	3.85	1.44	1.62	2.44	0.94	3.08	1.92	2.35	1.60	0.80	1.20	1.33	1.15	2.94	2.94	3.13	3.50	3.44	2.85	1.50
63.41	2.50	3.49	1.32	1.32	2.45	0.82	2.98	1.73	2.20	1.53	0.72	1.05	1.23	1.09	2.58	3.23	2.80	3.67	3.48	2.72	1.61
69.62	2.28	3.04	1.24	1.08	2.50	0.74	2.85	1.46	1.99	1.49	0.68	0.94	1.16	1.07	2.23	3.52	2.45	3.82	3.51	2.56	1.77
76.43	2.07	2.52	1.20	0.92	2.57	0.68	2.70	1.07	1.77	1.46	0.67	0.88	1.11	1.07	1.92	3.74	2.11	3.94	3.53	2.39	1.97
83.9	1.87	1.91	1.21	0.86	2.64	0.63	2.55	0.64	1.53	1.39	0.68	0.86	1.07	1.06	1.66	3.86	1.81	4.00	3.51	2.20	2.19
92.09	1.70	1.28	1.25	0.84	2.66	0.60	2.41	0.28	1.32	1.26	0.69	0.88	1.05	1.01	1.46	3.81	1.57	3.98	3.43	2.00	2.40
101.1	1.53	0.67	1.29	0.81	2.61	0.56	2.27	0.07	1.13	1.05	0.67	0.90	1.03	0.91	1.31	3.62	1.39	3.82	3.27	1.81	2.58
111	1.38	0.24	1.26	0.69	2.48	0.54	2.12	0.01	0.98	0.83	0.59	0.89	1.02	0.79	1.19	3.31	1.25	3.47	3.02	1.65	2.71
121.8	1.23	0.05	1.14	0.49	2.29	0.52	1.96	0.00	0.88	0.68	0.45	0.81	1.00	0.69	1.07	2.94	1.12	2.88	2.71	1.50	2.77
133.7	1.09	0.00	0.89	0.25	2.06	0.52	1.75	0.00	0.82	0.62	0.26	0.67	0.93	0.69	0.94	2.54	0.98	2.11	2.34	1.37	2.76
146.8	0.91	0.00	0.58	0.08	1.80	0.53	1.49	0.00	0.78	0.66	0.11	0.46	0.79	0.81	0.75	2.13	0.81	1.30	1.93	1.22	2.64
161.2	0.72	0.00	0.29	0.01	1.50	0.56	1.15	0.00	0.74	0.73	0.02	0.24	0.59	1.02	0.48	1.70	0.59	0.60	1.47	1.00	2.42
176.8	0.50	0.00	0.09	0.00	1.16	0.59	0.76	0.00	0.66	0.74	0.00	0.09	0.34	1.20	0.24	1.22	0.34	0.19	0.98	0.71	2.11
194.2	0.28	0.00	0.01	0.00	0.81	0.64	0.39	0.00	0.58	0.64	0.00	0.02	0.13	1.21	0.11	0.74	0.13	0.03	0.50	0.38	1.77
213.2	0.12	0.00	0.00	0.00	0.48	0.72	0.13	0.00	0.51	0.44	0.00	0.00	0.03	1.00	0.12	0.35	0.03	0.00	0.17	0.15	1.48
234.1	0.03	0.00	0.00	0.00	0.22	0.86	0.03	0.00	0.52	0.22	0.00	0.00	0.00	0.61	0.23	0.15	0.01	0.00	0.04	0.06	1.29
256.8	0.00	0.00	0.00	0.00	0.07	1.04	0.03	0.00	0.61	0.07	0.00	0.00	0.00	0.25	0.46	0.11	0.04	0.00	0.03	0.09	1.23
282.1	0.00	0.00	0.00	0.00	0.01	1.25	0.10	0.00	0.78	0.01	0.00	0.00	0.00	0.05	0.66	0.19	0.21	0.00	0.07	0.25	1.28
309.6	0.00	0.00	0.00	0.00	0.00	1.42	0.27	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.67	0.39	0.52	0.00	0.21	0.54	1.37
339.8	0.00	0.00	0.00	0.00	0.00	1.50	0.47	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.46	0.63	0.90	0.00	0.37	0.80	1.46
373.1	0.00	0.00	0.00	0.00	0.00	1.44	0.64	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.20	0.78	1.20	0.00	0.48	0.94	1.48
409.6	0.00	0.00	0.00	0.00	0.00	1.27	0.74	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.04	0.81	1.39	0.00	0.52	0.93	1.44
449.7	0.00	0.00	0.00	0.00	0.00	1.00	0.77	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.72	1.40	0.00	0.50	0.81	1.36
493.6	0.00	0.00	0.00	0.00	0.00	0.70	0.71	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.58	1.23	0.00	0.42	0.65	1.27
541.9	0.00	0.00	0.00	0.00	0.00	0.39	0.50	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.82	0.00	0.32	0.50	1.20
594.9	0.00	0.00	0.00	0.00	0.00	0.15	0.24	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.38	0.00	0.23	0.39	1.17
653	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.08	0.00	0.16	0.33	1.14
716.9	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.01	0.00	0.12	0.23	1.10
786.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.09	0.12	1.00
863.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.06	0.03	0.83
948.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.04	0.00	0.60
1041	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.02	0.00	0.35
1143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.15
1255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04
1377	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1512	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1660	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1822	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000																					

NEREIDA

2009061
All phases

STN (Nereida BC)	100	101	102	103	104	105	106	107	108	109	110	111	112	113	115	116	117	118	119	120	121
STN (GSC)	**0123**	**0124**	**0126**	**0127**	**0128**	**0129**	**0130**	**0131**	**0133**	**0134**	**0135**	**0136**	**0137**	**0139**	**0141**	**0143**	**0144**	**0145**	**0146**	**0147**	**0148**
Top int cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm
Bot int cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm
T.C. (%)	3.4	3.7	2.8	3.4	3.6	3.7	3.7	3.4	3.1	3.8	3.1	3.4	3.6	3.2	3.0	2.6	3.0	2.7	2.6	3.1	3.3
T.C. (%) dup																					
O.C. (%)	0.3	0.5	0.4	0.5	0.3	0.3	0.4	0.3	0.3	0.4	0.5	0.7	0.3	0.4	0.5	0.4	0.6	0.6	0.7	0.4	0.4
O.C. (%) dup																					
I.C. (%) by diff.	3.0	3.1	2.4	2.9	3.3	3.5	3.3	3.1	2.8	3.5	2.6	2.7	3.2	2.8	2.5	2.2	2.4	2.1	1.9	2.7	2.9
% sortable silt	31.6		44.3	50.7	43.1	40.4	52.8	53.6	48.2	54.2	47.5	47.1	54.4	43.4	57.4	42.0	49.6	46.5	43.2	48.7	54.3
%clay	**17.8**		**25.0**	**21.4**	**13.5**	**23.7**	**11.6**	**13.7**	**12.9**	**12.6**	**23.6**	**25.0**	**14.3**	**17.6**	**14.0**	**18.9**	**21.5**	**16.6**	**18.3**	**12.1**	**14.2**
%silt	**46.8**		**64.8**	**70.4**	**55.0**	**61.4**	**63.5**	**68.2**	**62.0**	**65.9**	**68.1**	**69.2**	**67.1**	**58.5**	**69.7**	**60.1**	**67.2**	**60.0**	**61.4**	**60.6**	**70.6**
%sand	**35.4**		**10.1**	**8.2**	**31.6**	**14.9**	**24.9**	**18.1**	**25.2**	**21.5**	**8.3**	**5.7**	**18.6**	**23.9**	**16.4**	**21.1**	**11.3**	**23.3**	**20.3**	**27.3**	**15.2**
% gravel	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel Diameter (Lower) µm	Diff. Volume %		Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.375	0.10		0.13	0.11	0.06	0.13	0.05	0.07	0.05	0.06	0.12	0.13	0.07	0.09	0.08	0.09	0.12	0.09	0.09	0.06	0.07
0.412	0.17		0.24	0.20	0.11	0.22	0.09	0.12	0.10	0.11	0.21	0.23	0.13	0.16	0.13	0.17	0.21	0.15	0.16	0.10	0.13
0.452	0.25		0.35	0.29	0.16	0.33	0.13	0.17	0.14	0.16	0.31	0.34	0.19	0.23	0.20	0.24	0.30	0.23	0.23	0.15	0.19
0.496	0.36		0.50	0.41	0.23	0.47	0.19	0.24	0.20	0.23	0.44	0.48	0.28	0.33	0.28	0.35	0.43	0.32	0.33	0.22	0.27
0.545	0.44		0.62	0.51	0.29	0.58	0.24	0.30	0.25	0.29	0.55	0.59	0.34	0.42	0.35	0.43	0.54	0.40	0.41	0.27	0.33
0.598	0.51		0.72	0.59	0.34	0.68	0.28	0.35	0.30	0.34	0.65	0.69	0.40	0.49	0.41	0.50	0.63	0.47	0.48	0.32	0.39
0.657	0.58		0.81	0.67	0.38	0.76	0.32	0.40	0.34	0.38	0.73	0.78	0.46	0.55	0.46	0.57	0.71	0.53	0.54	0.36	0.44
0.721	0.63		0.90	0.74	0.42	0.84	0.36	0.45	0.37	0.43	0.81	0.87	0.51	0.61	0.51	0.63	0.79	0.58	0.60	0.40	0.48
0.791	0.68		0.97	0.80	0.46	0.90	0.39	0.48	0.40	0.46	0.87	0.93	0.55	0.65	0.55	0.67	0.85	0.63	0.65	0.43	0.52
0.869	0.71		1.01	0.84	0.48	0.95	0.41	0.51	0.43	0.49	0.92	0.98	0.58	0.69	0.59	0.71	0.89	0.67	0.68	0.46	0.55
0.953	0.73		1.05	0.87	0.50	0.98	0.43	0.53	0.45	0.50	0.95	1.02	0.60	0.71	0.61	0.74	0.92	0.69	0.71	0.48	0.57
1.047	0.73		1.07	0.89	0.52	1.00	0.45	0.54	0.46	0.52	0.97	1.04	0.61	0.73	0.62	0.75	0.94	0.71	0.72	0.49	0.58
1.149	0.74		1.08	0.90	0.53	1.01	0.47	0.55	0.48	0.53	0.99	1.06	0.62	0.74	0.63	0.77	0.96	0.72	0.74	0.50	0.59
1.261	0.74		1.08	0.91	0.54	1.01	0.48	0.56	0.49	0.53	1.00	1.07	0.63	0.75	0.63	0.77	0.96	0.73	0.75	0.51	0.59
1.385	0.73		1.08	0.91	0.55	1.01	0.49	0.57	0.50	0.54	1.01	1.07	0.63	0.75	0.63	0.78	0.96	0.73	0.76	0.51	0.59
1.52	0.73		1.07	0.91	0.56	1.00	0.50	0.57	0.52	0.54	1.01	1.07	0.62	0.76	0.62	0.79	0.95	0.73	0.76	0.51	0.59
1.669	0.73	NO ANALYSIS	1.07	0.92	0.57	1.00	0.51	0.58	0.54	0.55	1.02	1.08	0.63	0.76	0.62	0.80	0.95	0.73	0.78	0.52	0.60
1.832	0.74		1.08	0.93	0.59	1.01	0.53	0.60	0.57	0.56	1.04	1.09	0.63	0.77	0.62	0.82	0.95	0.74	0.80	0.53	0.61
2.01	0.76		1.10	0.95	0.62	1.03	0.55	0.62	0.60	0.57	1.06	1.11	0.63	0.79	0.62	0.84	0.95	0.75	0.82	0.55	0.62
2.207	0.78		1.12	0.98	0.65	1.06	0.57	0.64	0.63	0.59	1.09	1.14	0.64	0.81	0.62	0.88	0.96	0.76	0.86	0.56	0.64
2.423	0.82		1.16	1.01	0.68	1.11	0.60	0.68	0.68	0.61	1.13	1.19	0.66	0.85	0.63	0.92	0.98	0.78	0.90	0.59	0.67
2.66	0.88		1.22	1.06	0.73	1.16	0.63	0.72	0.74	0.64	1.19	1.25	0.69	0.89	0.65	0.98	1.01	0.81	0.96	0.62	0.71
2.92	0.94		1.28	1.13	0.78	1.24	0.67	0.77	0.80	0.68	1.26	1.32	0.72	0.93	0.68	1.05	1.05	0.85	1.02	0.66	0.77
3.206	1.01		1.36	1.20	0.83	1.32	0.71	0.83	0.87	0.72	1.33	1.40	0.76	0.99	0.71	1.12	1.10	0.89	1.10	0.71	0.83
3.519	1.10		1.44	1.29	0.89	1.42	0.75	0.90	0.94	0.77	1.42	1.49	0.81	1.05	0.75	1.21	1.16	0.94	1.18	0.76	0.90
3.862	1.18		1.54	1.38	0.95	1.53	0.80	0.98	1.02	0.83	1.51	1.60	0.86	1.12	0.80	1.30	1.23	0.99	1.28	0.82	0.99
4.241	1.27		1.64	1.48	1.01	1.64	0.86	1.06	1.09	0.89	1.61	1.71	0.92	1.19	0.86	1.39	1.31	1.05	1.37	0.88	1.09
4.656	1.35		1.74	1.58	1.07	1.75	0.91	1.14	1.17	0.95	1.71	1.82	0.99	1.26	0.92	1.49	1.39	1.11	1.47	0.95	1.19
5.111	1.43		1.84	1.69	1.12	1.87	0.96	1.23	1.25	1.01	1.81	1.94	1.06	1.34	0.99	1.59	1.48	1.18	1.57	1.01	1.31
5.611	1.49		1.93	1.80	1.16	1.98	1.01	1.32	1.32	1.07	1.91	2.05	1.14	1.41	1.07	1.69	1.58	1.24	1.68	1.08	1.43
6.158	1.55		2.02	1.91	1.20	2.08	1.06	1.41	1.38	1.14	2.01	2.17	1.22	1.48	1.15	1.78	1.68	1.31	1.77	1.15	1.55
6.761	1.59		2.11	2.02	1.23	2.18	1.10	1.50	1.44	1.20	2.11	2.28	1.30	1.55	1.24	1.87	1.79	1.37	1.87	1.23	1.68
7.421	1.62		2.19	2.13	1.25	2.26	1.15	1.59	1.48	1.26	2.20	2.39	1.39	1.61	1.34	1.95	1.90	1.45	1.97	1.30	1.81
8.147	1.64		2.27	2.24	1.27	2.34	1.19	1.68	1.52	1.33	2.29	2.49	1.48	1.68	1.45	2.04	2.02	1.52	2.06	1.37	1.94
8.944	1.64		2.34	2.35	1.27	2.40	1.23	1.77	1.55	1.39	2.39	2.60	1.57	1.74	1.57	2.11	2.15	1.60	2.15	1.43	2.08
9.819	1.62		2.41	2.46	1.27	2.46	1.27	1.87	1.57	1.47	2.47	2.70	1.68	1.81	1.70	2.18	2.29	1.69	2.23	1.50	2.22
10.78	1.60		2.47	2.58	1.27	2.49	1.31	1.96	1.58	1.55	2.56	2.79	1.80	1.88	1.86	2.25	2.43	1.79	2.30	1.57	2.35
11.83	1.57		2.52	2.69	1.28	2.52	1.36	2.06	1.59	1.64	2.64	2.88	1.92	1.95	2.03	2.31	2.59	1.90	2.37	1.64	2.49
12.99	1.54		2.58	2.82	1.30	2.54	1.42	2.17	1.60	1.75	2.73	2.97	2.07	2.04	2.22	2.37	2.74	2.02	2.44	1.72	2.62
14.26	1.54		2.65	2.95	1.34	2.56	1.50	2.29	1.62	1.89	2.82	3.06	2.23	2.14	2.44	2.43	2.91	2.17	2.50	1.80	2.76
15.65	1.55		2.72	3.09	1.42	2.58	1.61	2.43	1.66	2.07	2.91	3.15	2.42	2.25	2.69	2.50	3.08	2.32	2.57	1.89	2.89
17.18	1.58		2.80	3.22	1.54	2.59	1.76	2.59	1.72	2.28	3.00	3.23	2.63	2.38	2.96	2.57	3.23	2.49	2.63	1.99	3.02
18.86	1.62		2.85	3.32	1.69	2.58	1.95	2.76	1.80	2.52	3.07	3.27	2.84	2.50	3.23	2.62	3.35	2.64	2.66	2.10	3.13
20.7	1.64		2.86	3.37	1.85	2.52	2.17	2.92	1.91	2.78	3.09	3.26	3.05	2.59	3.49	2.64	3.41	2.77	2.67	2.21	3.22
22.73	1.64		2.81	3.36	2.04	2.41	2.43	3.07	2.02	3.05	3.06	3.17	3.25	2.65	3.72	2.60	3.40	2.87	2.62	2.32	3.28
24.95	1.62		2.71	3.27	2.22	2.26	2.73	3.21	2.16	3.32	2.98	3.01	3.42	2.67	3.89	2.53	3.31	2.92	2.54	2.44	3.31
27.38	1.60		2.56	3.13	2.42	2.10	3.06	3.33	2.34	3.57	2.86	2.81	3.55	2.66	3.99	2.42	3.16	2.92	2.44	2.59	3.31
30.07	1.58		2.39	2.95	2.63	1.94	3.40	3.42	2.56	3.79	2.71	2.57	3.64	2.62	3.99	2.28	2.96	2.89	2.32	2.78	3.29
33	1.58		2.22	2.74	2.83	1.81	3.74	3.48	2.84	3.94	2.53	2.32	3.66	2.54	3.89	2.14	2.71	2.82	2.20	2.99	3.23
36.24	1.61		2.05	2.51	3.03	1.70	4.02	3.47	3.16	3.98	2.33	2.06	3.60	2.44	3.69	1.99	2.44	2.72	2.09	3.22	3.12
39.77	1.66		1.89	2.27	3.19	1.63	4.22	3.39	3.50	3.89	2.11	1.80	3.45	2.31	3.40	1.85	2.15	2.59	1.98	3.43	2.96
43.66	1.74		1.75	2.01	3.29	1.57	4.29	3.21	3.82	3.66	1.88	1.55	3.21	2.15	3.04	1.73	1.85	2.43	1.88	3.57	2.74
47.93	1.85		1.62	1.75	3.32	1.54	4.21	2.95	4.05	3.30	1.64	1.29	2.91	2.00	2.65	1.63	1.56	2.26	1.78	3.61	2.48
52.63	1.98		1.50	1.48	3.28	1.53	3.97	2.61	4.16	2.85	1.40	1.05	2.56	1.87	2.26	1.57	1.29	2.08	1.68	3.53	2.18
57.77	2.14		1.38	1.23	3.18	1.52	3.60	2.25	4.10	2.36	1.19	0.85	2.21	1.79	1.92	1.56	1.07	1.91	1.57	3.32	1.89
63.41	2.34		1.27	1.01	3.04	1.51	3.15	1.90	3.88	1.89	1.00	0.70	1.90	1.77	1.66	1.60	0.90	1.76	1.46	3.01	1.64
69.62	2.56		1.17	0.84	2.87	1.50	2.67	1.60	3.52	1.51	0.85	0.61	1.66	1.83	1.47	1.69	0.79	1.63	1.35	2.65	1.45
76.43	2.79		1.08	0.73	2.70	1.46	2.22	1.37	3.06	1.24	0.75	0.58	1.49	1.93	1.37	1.79	0.75	1.54	1.23	2.28	1.33
83.9	3.01		1.02	0.67	2.54	1.40	1.85	1.21	2.58	1.07	0.69	0.60	1.39	2.05	1.33	1.89	0.74	1.46	1.12	1.96	1.26
92.09	3.17		0.98	0.66	2.39	1.34	1.56	1.11	2.12	0.99	0.67	0.65	1.33	2.14	1.32	1.94	0.75	1.38	1.00	1.70	1.23
101.1	3.23		0.95	0.68	2.23	1.29	1.35	1.04	1.73	0.96	0.68	0.69	1.29	2.18	1.30	1.90	0.74	1.31	0.89	1.50	1.20
111	3.17		0.93	0.73	2.08	1.26	1.19	0.98	1.42	0.95	0.71	0.67	1.23	2.15	1.25	1.78	0.69	1.23	0.80	1.37	1.14
121.8	2.96		0.87	0.75	1.94	1.25	1.07	0.92	1.18	0.93	0.74	0.56	1.14	2.07	1.15	1.61	0.60	1.14	0.72	1.27	1.03
133.7	2.61		0.75	0.73	1.78	1.21	0.95	0.84	0.96	0.90	0.72	0.39	1.00	1.94	0.99	1.43	0.53	1.05	0.67	1.19	0.87
146.8	2.18		0.57	0.62	1.59	1.08	0.80	0.73	0.75	0.83	0.64	0.20	0.79	1.77	0.76	1.28	0.52	0.93	0.63	1.08	0.64
161.2	1.73		0.35	0.44	1.34	0.85	0.59	0.56	0.53	0.71	0.48	0.06	0.57	1.51	0.49	1.15	0.58	0.79	0.57	0.92	0.41
176.8	1.35		0.15	0.24	0.99	0.51	0.34	0.34	0.30	0.54	0.27	0.01	0.41	1.17	0.28	1.02	0.70	0.61	0.50	0.71	0.26
194.2	1.10		0.04	0.09	0.59	0.21	0.13	0.14	0.12	0.35	0.11	0.00	0.35	0.79	0.19	0.85	0.81	0.44	0.44	0.48	0.21
213.2	0.93		0.00	0.02	0.26	0.04	0.04	0.04	0.02	0.22	0.02	0.00	0.43	0.41	0.21	0.62	0.82	0.34	0.41	0.33	0.27
234.1	0.81		0.00	0.00	0.09	0.00	0.04	0.02	0.01	0.18	0.00	0.00	0.61	0.14	0.34	0.35	0.69	0.34	0.46	0.27	0.41
256.8	0.66		0.00	0.00	0.06	0.00	0.12	0.07	0.01	0.24	0.00	0.00	0.80	0.03	0.52	0.14	0.42	0.46	0.59	0.32	0.55
282.1	0.47		0.00	0.00	0.14	0.00	0.35	0.24	0.06	0.41	0.00	0.00	0.86	0.00	0.63	0.03	0.17	0.68	0.81	0.47	0.57
309.6	0.25		0.00	0.00	0.33	0.00	0.65	0.49	0.16	0.68	0.00	0.00	0.72	0.00	0.57	0.00	0.04	0.94	1.04	0.67	0.43
339.8	0.08		0.00	0.00	0.57	0.00	0.91	0.71	0.31	0.95	0.00	0.00	0.43	0.00	0.36	0.00	0.00	1.12	1.21	0.83	0.22
373.1	0.01		0.00	0.00	0.71	0.00	1.08	0.85	0.45	1.16	0.00	0.00	0.17	0.00	0.15	0.00	0.00	1.15	1.25	0.90	0.06
409.6	0.00		0.00	0.00	0.75	0.00	1.12	0.88	0.54	1.26	0.00	0.00	0.03	0.00	0.03	0.00	0.00	1.01	1.14	0.85	0.01
449.7	0.00		0.00	0.00	0.70	0.00	1.04	0.80	0.54	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.91	0.74	0.00
493.6	0.00		0.00	0.00	0.59	0.00	0.86	0.65	0.46	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.63	0.58	0.00
541.9	0.00		0.00	0.00	0.46	0.00	0.54	0.41	0.29	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.33	0.44	0.00
594.9	0.00		0.00	0.00	0.33	0.00	0.24	0.18	0.13	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.31	0.00
653	0.00		0.00	0.00	0.23	0.00	0.05	0.04	0.03	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.02	0.21	0.00
716.9	0.00		0.00	0.00	0.15	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.14	0.00
786.9	0.00		0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.00
863.9	0.00		0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.00
948.2	0.00		0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1041	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1143	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1255	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1377	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1512	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1660	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1822	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000																					

NEREIDA

2009061
All phases

STN (Nereida BC)	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142
STN (GSC)	**0149**	**0150**	**0151**	**0152**	**0153**	**0154**	**0155**	**0156**	**0157**	**0158**	**0160**	**0161**	**0162**	**0163**	**0164**	**0165**	**0166**	**0167**	**0168**	**0169**	**0170**
Top int cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm
Bot int cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm
T.C. (%)	3.1	3.1	3.1	3.6	3.0	3.1	3.3	3.1	3.3	3.3	3.4	2.6	3.6	3.0	3.0	2.5	2.8	2.3	2.5	2.8	1.1
T.C. (%) dup																					
O.C. (%)	0.4	0.4	0.4	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.8	0.6	0.4
O.C. (%) dup																					
I.C. (%) by diff.	2.8	2.7	2.7	3.3	2.7	2.7	2.8	2.8	2.8	2.9	3.0	2.2	3.2	2.5	2.5	1.9	2.1	1.6	1.7	2.2	0.8
% sortable silt	50.0	39.9	47.0	59.0	51.4	35.1	37.5	49.7	52.9	52.0	54.8	38.2	35.8	43.6	48.4	47.3	41.9	48.5	47.3	51.1	23.3
%clay	**13.2**	**12.9**	**12.3**	**12.1**	**13.6**	**12.0**	**10.9**	**12.7**	**14.4**	**14.0**	**12.3**	**13.3**	**13.6**	**15.8**	**21.8**	**18.0**	**18.9**	**14.9**	**21.9**	**21.2**	**8.4**
%silt	**63.8**	**51.7**	**59.9**	**69.5**	**63.8**	**45.9**	**49.4**	**62.3**	**67.1**	**64.8**	**69.2**	**48.8**	**49.7**	**57.1**	**67.2**	**61.1**	**59.7**	**63.5**	**62.6**	**68.9**	**31.2**
%sand	**23.0**	**35.4**	**27.8**	**18.3**	**22.6**	**42.1**	**39.6**	**25.0**	**18.5**	**21.2**	**18.5**	**37.9**	**36.7**	**27.1**	**11.0**	**20.9**	**21.4**	**21.6**	**15.6**	**9.9**	**60.4**
% gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.375	0.07	0.06	0.05	0.06	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.08	0.06	0.09	0.11	0.10	0.09	0.07	0.12	0.11	0.04
0.412	0.12	0.10	0.09	0.12	0.13	0.09	0.08	0.11	0.13	0.14	0.11	0.13	0.12	0.16	0.20	0.18	0.17	0.13	0.22	0.20	0.06
0.452	0.17	0.15	0.14	0.17	0.19	0.14	0.12	0.17	0.19	0.20	0.17	0.20	0.17	0.23	0.30	0.26	0.25	0.19	0.32	0.30	0.09
0.496	0.25	0.21	0.20	0.24	0.27	0.19	0.18	0.24	0.27	0.29	0.24	0.28	0.24	0.33	0.43	0.37	0.35	0.27	0.46	0.42	0.14
0.545	0.31	0.26	0.24	0.30	0.34	0.24	0.22	0.30	0.34	0.36	0.29	0.35	0.30	0.41	0.53	0.46	0.43	0.33	0.57	0.52	0.17
0.598	0.36	0.31	0.29	0.35	0.40	0.28	0.26	0.35	0.40	0.42	0.34	0.41	0.35	0.48	0.62	0.53	0.51	0.39	0.67	0.61	0.20
0.657	0.41	0.35	0.32	0.40	0.45	0.32	0.29	0.39	0.45	0.47	0.39	0.46	0.39	0.54	0.70	0.60	0.57	0.44	0.75	0.69	0.22
0.721	0.45	0.39	0.36	0.44	0.50	0.36	0.32	0.43	0.50	0.52	0.43	0.51	0.44	0.59	0.77	0.66	0.63	0.49	0.83	0.76	0.25
0.791	0.48	0.42	0.39	0.48	0.54	0.39	0.35	0.47	0.54	0.56	0.46	0.55	0.47	0.64	0.84	0.72	0.68	0.53	0.89	0.82	0.27
0.869	0.51	0.44	0.42	0.51	0.56	0.41	0.37	0.49	0.57	0.59	0.49	0.58	0.50	0.67	0.88	0.75	0.72	0.56	0.94	0.86	0.29
0.953	0.53	0.46	0.44	0.53	0.58	0.43	0.38	0.51	0.59	0.61	0.50	0.60	0.51	0.69	0.91	0.78	0.74	0.58	0.96	0.89	0.30
1.047	0.54	0.48	0.45	0.54	0.59	0.45	0.40	0.53	0.61	0.62	0.51	0.61	0.53	0.70	0.93	0.79	0.76	0.59	0.98	0.91	0.32
1.149	0.55	0.50	0.47	0.55	0.60	0.46	0.41	0.53	0.62	0.63	0.52	0.61	0.54	0.71	0.95	0.80	0.77	0.61	0.99	0.92	0.33
1.261	0.55	0.51	0.48	0.55	0.60	0.48	0.42	0.54	0.62	0.63	0.52	0.61	0.54	0.70	0.95	0.80	0.78	0.62	0.98	0.93	0.34
1.385	0.56	0.52	0.49	0.55	0.60	0.49	0.43	0.54	0.62	0.62	0.52	0.60	0.55	0.70	0.95	0.80	0.78	0.62	0.98	0.92	0.35
1.52	0.56	0.53	0.51	0.54	0.59	0.50	0.44	0.54	0.62	0.61	0.51	0.59	0.56	0.69	0.95	0.79	0.79	0.63	0.96	0.92	0.36
1.669	0.56	0.55	0.52	0.54	0.59	0.52	0.46	0.55	0.62	0.61	0.52	0.58	0.57	0.68	0.95	0.79	0.80	0.64	0.96	0.92	0.37
1.832	0.57	0.57	0.55	0.54	0.59	0.54	0.48	0.55	0.63	0.60	0.52	0.58	0.59	0.68	0.96	0.79	0.81	0.65	0.95	0.92	0.38
2.01	0.58	0.60	0.57	0.54	0.59	0.57	0.50	0.57	0.64	0.60	0.53	0.57	0.61	0.68	0.97	0.79	0.84	0.67	0.95	0.93	0.40
2.207	0.60	0.63	0.60	0.54	0.60	0.60	0.53	0.58	0.65	0.61	0.54	0.57	0.64	0.69	0.99	0.80	0.87	0.70	0.96	0.95	0.42
2.423	0.63	0.67	0.64	0.55	0.62	0.64	0.57	0.61	0.68	0.62	0.57	0.58	0.68	0.70	1.02	0.82	0.92	0.74	0.98	0.98	0.44
2.66	0.66	0.72	0.69	0.56	0.64	0.68	0.62	0.64	0.71	0.65	0.60	0.59	0.73	0.73	1.06	0.84	0.97	0.78	1.00	1.02	0.47
2.92	0.71	0.77	0.74	0.59	0.68	0.73	0.67	0.68	0.75	0.68	0.65	0.61	0.78	0.76	1.11	0.88	1.04	0.83	1.04	1.07	0.50
3.206	0.76	0.83	0.80	0.61	0.72	0.78	0.73	0.72	0.80	0.72	0.70	0.64	0.84	0.81	1.17	0.92	1.12	0.89	1.08	1.13	0.54
3.519	0.82	0.89	0.87	0.65	0.77	0.83	0.79	0.78	0.85	0.77	0.77	0.68	0.91	0.86	1.24	0.97	1.20	0.96	1.13	1.20	0.58
3.862	0.89	0.95	0.94	0.69	0.82	0.89	0.86	0.84	0.92	0.82	0.84	0.72	0.99	0.92	1.32	1.02	1.29	1.03	1.19	1.27	0.61
4.241	0.97	1.01	1.01	0.74	0.89	0.94	0.93	0.90	0.99	0.89	0.93	0.76	1.06	0.98	1.41	1.08	1.39	1.11	1.24	1.36	0.65
4.656	1.05	1.07	1.08	0.79	0.96	0.99	1.00	0.97	1.07	0.96	1.03	0.82	1.14	1.05	1.51	1.14	1.48	1.19	1.30	1.45	0.69
5.111	1.14	1.12	1.15	0.85	1.03	1.03	1.06	1.05	1.16	1.04	1.13	0.88	1.22	1.13	1.61	1.20	1.58	1.28	1.36	1.54	0.73
5.611	1.23	1.16	1.22	0.91	1.11	1.07	1.13	1.13	1.25	1.12	1.24	0.94	1.30	1.21	1.71	1.27	1.67	1.36	1.43	1.64	0.76
6.158	1.32	1.20	1.28	0.98	1.19	1.10	1.19	1.21	1.34	1.21	1.35	1.00	1.37	1.29	1.82	1.34	1.76	1.45	1.49	1.73	0.79
6.761	1.42	1.23	1.34	1.06	1.27	1.13	1.24	1.29	1.44	1.30	1.48	1.07	1.44	1.37	1.92	1.41	1.85	1.54	1.55	1.83	0.81
7.421	1.51	1.25	1.39	1.14	1.35	1.14	1.29	1.38	1.55	1.40	1.60	1.15	1.50	1.46	2.04	1.48	1.93	1.62	1.61	1.92	0.84
8.147	1.61	1.26	1.44	1.23	1.44	1.15	1.33	1.47	1.66	1.51	1.74	1.22	1.56	1.55	2.15	1.55	2.00	1.71	1.68	2.02	0.85
8.944	1.70	1.26	1.47	1.33	1.54	1.15	1.36	1.56	1.77	1.62	1.88	1.31	1.61	1.64	2.27	1.63	2.07	1.80	1.75	2.12	0.87
9.819	1.80	1.25	1.51	1.45	1.64	1.14	1.39	1.66	1.89	1.75	2.02	1.40	1.66	1.74	2.39	1.72	2.14	1.88	1.83	2.22	0.88
10.78	1.90	1.24	1.53	1.58	1.75	1.13	1.41	1.76	2.02	1.88	2.18	1.49	1.70	1.84	2.51	1.81	2.19	1.97	1.92	2.33	0.88
11.83	1.99	1.23	1.55	1.73	1.87	1.13	1.42	1.87	2.16	2.03	2.34	1.59	1.74	1.94	2.63	1.90	2.24	2.06	2.02	2.43	0.88
12.99	2.10	1.22	1.58	1.90	2.01	1.13	1.44	2.00	2.30	2.20	2.50	1.69	1.78	2.06	2.76	2.00	2.29	2.15	2.13	2.54	0.88
14.26	2.20	1.23	1.60	2.11	2.16	1.14	1.46	2.13	2.45	2.37	2.68	1.79	1.83	2.17	2.89	2.12	2.34	2.26	2.25	2.66	0.89
15.65	2.31	1.26	1.64	2.35	2.32	1.18	1.49	2.27	2.61	2.57	2.86	1.90	1.88	2.29	3.01	2.25	2.40	2.37	2.40	2.80	0.90
17.18	2.43	1.31	1.70	2.63	2.51	1.24	1.54	2.42	2.77	2.77	3.04	2.01	1.94	2.41	3.13	2.38	2.45	2.49	2.56	2.93	0.92
18.86	2.54	1.39	1.77	2.93	2.69	1.32	1.59	2.56	2.91	2.96	3.21	2.10	1.99	2.52	3.21	2.50	2.49	2.60	2.70	3.04	0.95
20.7	2.63	1.48	1.86	3.25	2.87	1.40	1.65	2.68	3.03	3.12	3.35	2.16	2.03	2.59	3.23	2.59	2.50	2.70	2.82	3.13	0.99
22.73	2.71	1.58	1.96	3.56	3.03	1.49	1.70	2.77	3.10	3.24	3.44	2.19	2.03	2.61	3.19	2.65	2.47	2.77	2.90	3.17	1.03
24.95	2.77	1.68	2.07	3.86	3.15	1.57	1.75	2.82	3.13	3.31	3.49	2.19	2.00	2.60	3.09	2.69	2.42	2.81	2.95	3.18	1.07
27.38	2.83	1.80	2.22	4.11	3.24	1.67	1.81	2.85	3.12	3.31	3.47	2.17	1.95	2.56	2.93	2.73	2.34	2.83	2.96	3.14	1.13
30.07	2.90	1.95	2.40	4.29	3.28	1.79	1.89	2.87	3.10	3.26	3.40	2.13	1.90	2.50	2.74	2.77	2.26	2.82	2.94	3.08	1.20
33	2.98	2.16	2.65	4.36	3.28	1.95	2.01	2.88	3.06	3.16	3.29	2.08	1.86	2.43	2.53	2.82	2.18	2.80	2.90	2.99	1.28
36.24	3.06	2.43	2.94	4.30	3.23	2.16	2.18	2.91	3.03	3.02	3.13	2.04	1.84	2.36	2.31	2.87	2.12	2.78	2.82	2.86	1.37
39.77	3.11	2.77	3.29	4.09	3.12	2.40	2.38	2.95	3.00	2.87	2.94	2.02	1.83	2.30	2.09	2.88	2.05	2.75	2.68	2.69	1.47
43.66	3.11	3.17	3.66	3.74	2.98	2.68	2.61	2.99	2.95	2.70	2.72	2.03	1.84	2.23	1.86	2.84	1.96	2.71	2.49	2.46	1.59
47.93	3.02	3.61	4.00	3.29	2.80	2.97	2.85	3.01	2.87	2.54	2.49	2.09	1.87	2.15	1.63	2.72	1.86	2.65	2.25	2.19	1.74
52.63	2.84	4.02	4.25	2.76	2.63	3.23	3.08	2.99	2.75	2.39	2.25	2.20	1.89	2.08	1.42	2.52	1.73	2.56	1.96	1.88	1.94
57.77	2.59	4.36	4.36	2.22	2.47	3.46	3.26	2.92	2.58	2.24	2.01	2.36	1.90	2.01	1.24	2.27	1.58	2.44	1.66	1.56	2.22
63.41	2.30	4.56	4.29	1.72	2.34	3.61	3.39	2.78	2.38	2.10	1.77	2.56	1.91	1.95	1.11	1.99	1.42	2.27	1.37	1.26	2.57
69.62	2.01	4.60	4.05	1.32	2.26	3.68	3.44	2.59	2.15	1.97	1.56	2.77	1.89	1.91	1.02	1.73	1.28	2.07	1.11	1.02	3.00
76.43	1.76	4.48	3.67	1.03	2.22	3.63	3.41	2.37	1.93	1.85	1.38	2.93	1.86	1.89	0.97	1.50	1.16	1.85	0.91	0.84	3.47
83.9	1.55	4.23	3.23	0.85	2.19	3.48	3.29	2.13	1.72	1.72	1.23	3.02	1.81	1.87	0.95	1.33	1.06	1.62	0.76	0.72	3.92
92.09	1.39	3.90	2.77	0.76	2.14	3.23	3.09	1.89	1.53	1.59	1.11	2.99	1.75	1.83	0.94	1.20	0.98	1.39	0.66	0.65	4.29
101.1	1.28	3.52	2.36	0.72	2.06	2.92	2.83	1.67	1.37	1.45	1.02	2.84	1.67	1.76	0.92	1.10	0.91	1.19	0.60	0.59	4.52
111	1.19	3.10	2.01	0.70	1.92	2.58	2.54	1.48	1.23	1.31	0.94	2.60	1.60	1.66	0.88	1.03	0.86	1.02	0.55	0.54	4.56
121.8	1.11	2.60	1.70	0.69	1.72	2.25	2.23	1.32	1.10	1.17	0.87	2.28	1.55	1.52	0.82	0.97	0.81	0.89	0.53	0.49	4.42
133.7	1.02	2.02	1.39	0.65	1.47	1.94	1.93	1.18	0.96	1.02	0.80	1.94	1.51	1.35	0.77	0.91	0.77	0.79	0.51	0.46	4.10
146.8	0.91	1.37	1.06	0.58	1.19	1.63	1.63	1.03	0.77	0.87	0.71	1.59	1.46	1.14	0.72	0.81	0.71	0.69	0.47	0.48	3.63
161.2	0.76	0.73	0.72	0.45	0.87	1.31	1.31	0.84	0.56	0.67	0.58	1.23	1.37	0.89	0.64	0.66	0.62	0.55	0.39	0.53	3.05
176.8	0.56	0.27	0.38	0.29	0.53	0.96	0.99	0.59	0.37	0.44	0.41	0.89	1.25	0.63	0.53	0.48	0.49	0.39	0.28	0.59	2.43
194.2	0.36	0.05	0.14	0.16	0.24	0.65	0.70	0.32	0.26	0.22	0.24	0.61	1.10	0.40	0.38	0.30	0.37	0.24	0.18	0.61	1.85
213.2	0.22	0.00	0.03	0.11	0.06	0.43	0.49	0.13	0.25	0.09	0.13	0.43	0.97	0.27	0.21	0.20	0.32	0.15	0.13	0.53	1.38
234.1	0.18	0.00	0.00	0.14	0.01	0.35	0.40	0.06	0.31	0.06	0.09	0.39	0.91	0.26	0.08	0.20	0.36	0.16	0.17	0.37	1.08
256.8	0.24	0.00	0.00	0.29	0.01	0.41	0.43	0.09	0.42	0.12	0.14	0.47	0.94	0.38	0.02	0.30	0.53	0.27	0.32	0.19	0.95
282.1	0.41	0.00	0.00	0.55	0.04	0.60	0.55	0.20	0.47	0.28	0.28	0.67	1.04	0.61	0.00	0.51	0.82	0.48	0.57	0.06	0.96
309.6	0.63	0.00	0.00	0.85	0.11	0.86	0.74	0.40	0.40	0.50	0.48	0.92	1.17	0.88	0.00	0.76	1.14	0.73	0.84	0.01	1.05
339.8	0.83	0.00	0.00	1.09	0.17	1.11	0.91	0.59	0.25	0.68	0.68	1.14	1.27	1.08	0.00	0.95	1.39	0.92	1.04	0.00	1.17
373.1	0.93	0.00	0.00	1.20	0.21	1.24	1.00	0.70	0.09	0.76	0.82	1.26	1.29	1.14	0.00	1.02	1.47	0.99	1.10	0.00	1.25
409.6	0.92	0.00	0.00	1.18	0.22	1.24	1.00	0.72	0.02	0.73	0.88	1.25	1.23	1.05	0.00	0.97	1.37	0.93	1.03	0.00	1.27
449.7	0.82	0.00	0.00	1.04	0.20	1.12	0.91	0.65	0.00	0.63	0.86	1.11	1.12	0.86	0.00	0.81	1.12	0.78	0.85	0.00	1.20
493.6	0.65	0.00	0.00	0.83	0.16	0.92	0.76	0.53	0.00	0.47	0.75	0.88	0.98	0.63	0.00	0.61	0.78	0.58	0.63	0.00	1.08
541.9	0.46	0.00	0.00	0.59	0.11	0.69	0.59	0.38	0.00	0.31	0.51	0.61	0.85	0.43	0.00	0.36	0.43	0.38	0.37	0.00	0.92
594.9	0.30	0.00	0.00	0.35	0.06	0.49	0.42	0.23	0.00	0.16	0.24	0.35	0.75	0.28	0.00	0.15	0.16	0.20	0.16	0.00	0.75
653	0.16	0.00	0.00	0.16	0.02	0.32	0.28	0.11	0.00	0.06	0.05	0.15	0.67	0.19	0.00	0.03	0.03	0.08	0.03	0.00	0.58
716.9	0.06	0.00	0.00	0.05	0.00	0.21	0.17	0.03	0.00	0.01	0.01	0.04	0.61	0.13	0.00	0.00	0.00	0.02	0.00	0.00	0.43
786.9	0.01	0.00	0.00	0.01	0.00	0.12	0.11	0.01	0.00	0.00	0.00	0.01	0.56	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.28
863.9	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.51	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.15
948.2	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.44	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05
1041	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1377	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1512	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1660	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1822	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000																					

NEREIDA

2009061
All phases

STN (Nereida BC)	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163
STN (GSC)	**0171**	**0172**	**0173**	**0174**	**0176**	**0177**	**0178**	**0179**	**0180**	**0181**	**0182**	**0183**	**0184**	**0185**	**0187**	**0188**	**0190**	**0192**	**0193**	**0194**	**0198**
Top int cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm
Bot int cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm
T.C. (%)	1.2	1.6	1.7	2.9	3.3	2.7	3.1	3.1	3.1	3.1	1.4	2.3	1.4	2.1	1.7	2.9	1.6	2.5	2.2	3.4	3.4
T.C. (%) dup																					
O.C. (%)	0.4	0.5	0.5	0.3	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.7	0.2	0.6
O.C. (%) dup																					
I.C. (%) by diff.	0.8	1.1	1.2	2.6	2.9	2.3	2.6	2.5	2.7	2.6	0.9	1.7	0.9	1.6	1.2	2.3	1.1	2.0	1.5	3.1	2.7
% sortable silt	25.6	37.8	40.1	29.6	49.5	45.5	44.1	46.7	43.2	40.8	26.0	44.5	31.4	39.4	28.1	45.0	26.8	43.4	30.4	52.3	40.0
%clay	**9.2**	**14.7**	**14.0**	**11.1**	**14.8**	**19.8**	**22.6**	**22.7**	**18.9**	**20.5**	**13.3**	**18.9**	**12.6**	**15.4**	**14.3**	**19.0**	**15.8**	**15.9**	**16.6**	**11.1**	**21.5**
%silt	**33.7**	**50.5**	**55.4**	**40.3**	**64.9**	**61.3**	**64.3**	**69.5**	**59.7**	**59.5**	**36.7**	**60.1**	**43.4**	**53.4**	**40.9**	**60.1**	**42.1**	**54.9**	**44.9**	**60.6**	**57.5**
%sand	**57.1**	**34.8**	**30.6**	**48.6**	**20.3**	**18.9**	**13.1**	**7.8**	**21.4**	**20.0**	**50.0**	**21.0**	**44.0**	**31.1**	**44.8**	**20.8**	**42.1**	**29.2**	**38.5**	**28.2**	**21.1**
% gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.375	0.04	0.07	0.06	0.05	0.07	0.11	0.11	0.11	0.10	0.11	0.06	0.09	0.05	0.07	0.06	0.10	0.07	0.09	0.07	0.06	0.11
0.412	0.07	0.12	0.10	0.09	0.13	0.20	0.20	0.19	0.18	0.19	0.11	0.17	0.10	0.13	0.11	0.18	0.12	0.15	0.13	0.11	0.19
0.452	0.10	0.18	0.15	0.13	0.19	0.29	0.30	0.29	0.26	0.28	0.16	0.24	0.14	0.19	0.16	0.26	0.18	0.23	0.19	0.16	0.29
0.496	0.15	0.25	0.21	0.19	0.27	0.42	0.42	0.41	0.38	0.39	0.23	0.35	0.20	0.27	0.22	0.37	0.25	0.32	0.28	0.22	0.41
0.545	0.18	0.32	0.26	0.23	0.34	0.52	0.52	0.51	0.47	0.49	0.28	0.43	0.25	0.34	0.28	0.46	0.31	0.40	0.34	0.28	0.51
0.598	0.21	0.37	0.30	0.27	0.39	0.61	0.61	0.59	0.54	0.57	0.33	0.50	0.30	0.40	0.33	0.54	0.36	0.47	0.40	0.32	0.59
0.657	0.24	0.42	0.35	0.31	0.44	0.68	0.69	0.67	0.61	0.64	0.37	0.56	0.34	0.45	0.37	0.61	0.41	0.53	0.46	0.37	0.67
0.721	0.27	0.46	0.38	0.34	0.49	0.75	0.76	0.74	0.68	0.71	0.41	0.63	0.37	0.50	0.41	0.67	0.46	0.59	0.51	0.41	0.74
0.791	0.30	0.50	0.42	0.37	0.53	0.81	0.82	0.80	0.73	0.76	0.45	0.67	0.41	0.54	0.45	0.72	0.49	0.63	0.55	0.44	0.80
0.869	0.32	0.53	0.45	0.39	0.56	0.85	0.87	0.84	0.76	0.80	0.48	0.71	0.43	0.57	0.48	0.76	0.52	0.67	0.58	0.47	0.84
0.953	0.33	0.56	0.47	0.40	0.57	0.87	0.90	0.87	0.79	0.83	0.50	0.74	0.45	0.59	0.50	0.79	0.55	0.69	0.61	0.49	0.87
1.047	0.35	0.57	0.49	0.41	0.59	0.88	0.92	0.90	0.80	0.84	0.51	0.76	0.47	0.61	0.52	0.81	0.57	0.71	0.63	0.50	0.89
1.149	0.36	0.59	0.51	0.42	0.60	0.89	0.94	0.92	0.81	0.85	0.53	0.77	0.48	0.62	0.54	0.82	0.58	0.72	0.65	0.51	0.91
1.261	0.37	0.60	0.52	0.43	0.61	0.88	0.95	0.93	0.81	0.86	0.54	0.78	0.49	0.63	0.55	0.82	0.60	0.72	0.66	0.52	0.91
1.385	0.38	0.61	0.54	0.44	0.61	0.87	0.95	0.94	0.81	0.86	0.55	0.79	0.51	0.64	0.57	0.83	0.62	0.71	0.68	0.51	0.92
1.52	0.39	0.62	0.56	0.45	0.62	0.86	0.96	0.94	0.81	0.86	0.56	0.80	0.52	0.65	0.59	0.83	0.64	0.71	0.69	0.51	0.92
1.669	0.41	0.64	0.59	0.46	0.62	0.85	0.97	0.96	0.81	0.87	0.58	0.81	0.54	0.66	0.61	0.83	0.66	0.71	0.71	0.51	0.93
1.832	0.42	0.66	0.62	0.48	0.64	0.85	0.99	0.99	0.81	0.88	0.60	0.83	0.56	0.68	0.64	0.84	0.70	0.70	0.74	0.50	0.95
2.01	0.44	0.69	0.66	0.51	0.66	0.85	1.01	1.02	0.82	0.90	0.62	0.86	0.59	0.70	0.68	0.85	0.74	0.71	0.77	0.50	0.97
2.207	0.46	0.72	0.71	0.54	0.69	0.86	1.05	1.06	0.84	0.93	0.65	0.89	0.62	0.73	0.72	0.87	0.79	0.71	0.81	0.50	1.00
2.423	0.49	0.75	0.77	0.57	0.72	0.88	1.10	1.12	0.87	0.97	0.69	0.94	0.66	0.77	0.77	0.90	0.85	0.72	0.86	0.50	1.03
2.66	0.51	0.80	0.83	0.62	0.77	0.91	1.15	1.19	0.91	1.03	0.73	0.99	0.71	0.82	0.82	0.93	0.91	0.74	0.92	0.51	1.08
2.92	0.55	0.85	0.90	0.67	0.82	0.95	1.22	1.28	0.96	1.09	0.77	1.04	0.76	0.87	0.88	0.98	0.99	0.77	0.98	0.52	1.14
3.206	0.58	0.90	0.97	0.73	0.89	1.00	1.30	1.37	1.02	1.17	0.82	1.11	0.82	0.93	0.94	1.03	1.06	0.80	1.04	0.54	1.20
3.519	0.61	0.96	1.05	0.79	0.96	1.05	1.39	1.48	1.09	1.25	0.87	1.17	0.88	1.00	1.00	1.09	1.15	0.84	1.11	0.56	1.28
3.862	0.65	1.02	1.14	0.85	1.04	1.12	1.49	1.60	1.16	1.34	0.91	1.24	0.94	1.07	1.07	1.15	1.23	0.88	1.18	0.59	1.35
4.241	0.69	1.07	1.22	0.91	1.12	1.19	1.59	1.72	1.24	1.44	0.96	1.31	1.00	1.14	1.13	1.22	1.31	0.92	1.25	0.62	1.43
4.656	0.72	1.13	1.30	0.96	1.21	1.27	1.69	1.85	1.33	1.54	1.00	1.38	1.06	1.20	1.18	1.28	1.38	0.97	1.31	0.65	1.51
5.111	0.76	1.18	1.38	1.01	1.30	1.35	1.79	1.98	1.42	1.64	1.04	1.44	1.11	1.27	1.23	1.35	1.45	1.02	1.37	0.69	1.58
5.611	0.79	1.23	1.45	1.06	1.39	1.44	1.89	2.11	1.51	1.74	1.07	1.50	1.16	1.34	1.27	1.42	1.51	1.07	1.42	0.74	1.66
6.158	0.81	1.28	1.52	1.09	1.48	1.52	1.98	2.23	1.60	1.84	1.10	1.55	1.20	1.40	1.31	1.48	1.56	1.12	1.47	0.79	1.72
6.761	0.84	1.31	1.58	1.12	1.57	1.61	2.07	2.36	1.69	1.93	1.11	1.60	1.23	1.45	1.33	1.54	1.59	1.17	1.50	0.84	1.79
7.421	0.86	1.35	1.64	1.13	1.67	1.70	2.16	2.47	1.79	2.02	1.12	1.64	1.26	1.50	1.34	1.61	1.62	1.22	1.53	0.90	1.85
8.147	0.87	1.37	1.68	1.14	1.76	1.80	2.25	2.59	1.88	2.11	1.13	1.68	1.28	1.55	1.35	1.67	1.63	1.28	1.55	0.97	1.91
8.944	0.88	1.39	1.72	1.13	1.86	1.90	2.33	2.69	1.98	2.20	1.13	1.72	1.30	1.59	1.35	1.74	1.63	1.34	1.56	1.04	1.97
9.819	0.89	1.41	1.74	1.11	1.97	2.00	2.41	2.79	2.08	2.28	1.12	1.75	1.31	1.63	1.33	1.80	1.62	1.40	1.57	1.13	2.03
10.78	0.89	1.42	1.76	1.09	2.08	2.10	2.48	2.88	2.18	2.35	1.11	1.79	1.31	1.66	1.31	1.87	1.59	1.47	1.56	1.23	2.08
11.83	0.89	1.43	1.76	1.07	2.21	2.21	2.55	2.96	2.29	2.42	1.09	1.83	1.30	1.69	1.29	1.95	1.56	1.54	1.55	1.35	2.13
12.99	0.88	1.45	1.77	1.05	2.35	2.32	2.62	3.03	2.39	2.50	1.08	1.89	1.30	1.72	1.27	2.03	1.52	1.62	1.55	1.48	2.19
14.26	0.88	1.47	1.77	1.05	2.50	2.44	2.69	3.09	2.51	2.57	1.09	1.96	1.31	1.76	1.26	2.12	1.49	1.71	1.55	1.64	2.25
15.65	0.89	1.51	1.79	1.08	2.67	2.56	2.77	3.15	2.63	2.65	1.10	2.04	1.34	1.81	1.27	2.22	1.47	1.82	1.56	1.82	2.33
17.18	0.91	1.57	1.82	1.13	2.85	2.68	2.84	3.19	2.74	2.71	1.13	2.14	1.37	1.87	1.29	2.33	1.46	1.93	1.59	2.02	2.40
18.86	0.93	1.63	1.86	1.19	3.01	2.78	2.88	3.21	2.82	2.75	1.16	2.23	1.42	1.92	1.31	2.43	1.45	2.03	1.61	2.24	2.45
20.7	0.96	1.69	1.91	1.26	3.13	2.83	2.88	3.17	2.85	2.73	1.19	2.30	1.46	1.97	1.34	2.49	1.43	2.12	1.62	2.47	2.46
22.73	1.01	1.75	1.95	1.33	3.20	2.83	2.82	3.06	2.82	2.66	1.21	2.33	1.50	2.00	1.36	2.52	1.40	2.20	1.62	2.69	2.43
24.95	1.06	1.81	2.00	1.39	3.19	2.78	2.72	2.91	2.73	2.53	1.24	2.33	1.54	2.01	1.37	2.53	1.36	2.27	1.60	2.92	2.36
27.38	1.13	1.87	2.04	1.45	3.12	2.71	2.58	2.71	2.60	2.37	1.27	2.34	1.59	2.02	1.39	2.54	1.32	2.35	1.59	3.14	2.28
30.07	1.22	1.94	2.08	1.53	2.99	2.63	2.42	2.48	2.44	2.18	1.32	2.38	1.64	2.04	1.43	2.55	1.30	2.45	1.58	3.35	2.19
33	1.33	2.03	2.13	1.62	2.83	2.53	2.26	2.25	2.27	1.99	1.38	2.45	1.71	2.08	1.48	2.58	1.29	2.58	1.59	3.55	2.11
36.24	1.46	2.14	2.18	1.73	2.66	2.42	2.09	2.01	2.10	1.80	1.45	2.55	1.78	2.16	1.55	2.61	1.31	2.72	1.60	3.72	2.03
39.77	1.62	2.30	2.26	1.89	2.48	2.28	1.90	1.77	1.92	1.62	1.52	2.67	1.86	2.27	1.62	2.63	1.33	2.85	1.61	3.84	1.93
43.66	1.83	2.51	2.39	2.07	2.30	2.12	1.70	1.53	1.74	1.45	1.61	2.77	1.97	2.40	1.70	2.60	1.35	2.95	1.62	3.89	1.82
47.93	2.13	2.76	2.59	2.30	2.14	1.94	1.50	1.30	1.56	1.29	1.74	2.85	2.12	2.55	1.80	2.52	1.37	2.99	1.63	3.84	1.68
52.63	2.53	3.07	2.86	2.56	1.98	1.75	1.29	1.10	1.40	1.14	1.96	2.87	2.32	2.68	1.93	2.36	1.40	2.95	1.64	3.68	1.52
57.77	3.06	3.39	3.18	2.85	1.84	1.57	1.11	0.92	1.25	1.03	2.30	2.83	2.61	2.77	2.12	2.16	1.47	2.83	1.69	3.42	1.37
63.41	3.71	3.70	3.53	3.15	1.71	1.43	0.98	0.79	1.14	0.94	2.78	2.72	2.96	2.80	2.36	1.93	1.59	2.66	1.77	3.09	1.23
69.62	4.42	3.93	3.82	3.43	1.59	1.34	0.90	0.70	1.06	0.89	3.40	2.55	3.36	2.74	2.66	1.69	1.78	2.46	1.90	2.73	1.13
76.43	5.08	4.04	3.99	3.64	1.48	1.29	0.87	0.64	1.03	0.89	4.07	2.33	3.73	2.60	2.97	1.49	2.04	2.24	2.06	2.38	1.04
83.9	5.59	3.98	3.99	3.76	1.38	1.28	0.87	0.61	1.03	0.91	4.67	2.07	4.01	2.38	3.23	1.31	2.33	2.03	2.21	2.08	0.97
92.09	5.83	3.73	3.77	3.75	1.28	1.29	0.88	0.59	1.05	0.95	5.05	1.79	4.12	2.11	3.38	1.17	2.62	1.83	2.31	1.83	0.91
101.1	5.72	3.33	3.36	3.63	1.19	1.28	0.86	0.59	1.06	0.99	5.12	1.53	4.02	1.83	3.37	1.05	2.84	1.65	2.34	1.63	0.84
111	5.28	2.81	2.81	3.40	1.11	1.25	0.78	0.61	1.07	1.02	4.84	1.31	3.71	1.58	3.21	0.95	2.97	1.49	2.27	1.47	0.79
121.8	4.57	2.25	2.18	3.12	1.04	1.18	0.66	0.65	1.07	1.03	4.26	1.12	3.24	1.38	2.92	0.87	2.98	1.36	2.13	1.34	0.75
133.7	3.71	1.69	1.54	2.78	0.97	1.07	0.57	0.68	1.05	1.02	3.49	0.93	2.68	1.23	2.54	0.80	2.86	1.23	1.93	1.20	0.74
146.8	2.81	1.19	0.96	2.41	0.87	0.92	0.55	0.67	0.99	0.98	2.64	0.72	2.09	1.10	2.11	0.72	2.63	1.10	1.72	1.03	0.73
161.2	1.95	0.76	0.48	1.97	0.72	0.73	0.63	0.58	0.87	0.89	1.83	0.49	1.51	0.95	1.67	0.61	2.30	0.95	1.51	0.82	0.70
176.8	1.21	0.39	0.17	1.48	0.51	0.51	0.81	0.41	0.69	0.76	1.11	0.31	0.99	0.76	1.26	0.47	1.90	0.77	1.33	0.58	0.64
194.2	0.64	0.14	0.03	1.01	0.29	0.31	0.99	0.21	0.49	0.62	0.56	0.23	0.57	0.58	0.93	0.35	1.49	0.61	1.19	0.37	0.58
213.2	0.30	0.03	0.00	0.65	0.15	0.19	1.04	0.07	0.35	0.53	0.25	0.28	0.32	0.46	0.74	0.28	1.14	0.51	1.13	0.25	0.56
234.1	0.17	0.01	0.00	0.47	0.12	0.17	0.90	0.01	0.32	0.51	0.14	0.42	0.23	0.44	0.70	0.31	0.90	0.51	1.14	0.24	0.62
256.8	0.17	0.01	0.00	0.47	0.20	0.24	0.57	0.00	0.41	0.60	0.18	0.59	0.28	0.55	0.79	0.44	0.79	0.62	1.22	0.36	0.77
282.1	0.29	0.06	0.00	0.61	0.40	0.39	0.24	0.00	0.62	0.76	0.35	0.65	0.44	0.76	0.99	0.65	0.81	0.81	1.33	0.60	0.98
309.6	0.50	0.16	0.00	0.85	0.66	0.59	0.05	0.00	0.91	0.94	0.60	0.55	0.67	1.00	1.22	0.90	0.89	1.00	1.42	0.88	1.18
339.8	0.71	0.28	0.00	1.06	0.85	0.73	0.00	0.00	1.16	1.06	0.81	0.31	0.86	1.16	1.37	1.06	1.00	1.12	1.45	1.08	1.28
373.1	0.86	0.37	0.00	1.16	0.91	0.76	0.00	0.00	1.28	1.06	0.89	0.11	0.95	1.17	1.38	1.08	1.07	1.11	1.38	1.15	1.26
409.6	0.91	0.43	0.00	1.12	0.82	0.70	0.00	0.00	1.24	0.95	0.83	0.02	0.91	1.05	1.26	0.97	1.07	0.97	1.23	1.07	1.11
449.7	0.86	0.43	0.00	0.97	0.66	0.56	0.00	0.00	1.06	0.76	0.67	0.00	0.77	0.83	1.04	0.75	0.99	0.77	1.02	0.86	0.88
493.6	0.72	0.38	0.00	0.79	0.48	0.40	0.00	0.00	0.79	0.54	0.47	0.00	0.60	0.60	0.79	0.51	0.87	0.55	0.79	0.61	0.63
541.9	0.53	0.30	0.00	0.64	0.33	0.23	0.00	0.00	0.46	0.30	0.29	0.00	0.42	0.40	0.58	0.29	0.72	0.37	0.58	0.36	0.40
594.9	0.33	0.20	0.00	0.53	0.23	0.10	0.00	0.00	0.19	0.12	0.17	0.00	0.27	0.27	0.43	0.13	0.56	0.23	0.40	0.17	0.22
653	0.15	0.11	0.00	0.47	0.16	0.02	0.00	0.00	0.04	0.03	0.12	0.00	0.16	0.18	0.33	0.04	0.41	0.14	0.27	0.05	0.10
716.9	0.05	0.05	0.00	0.43	0.11	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.09	0.13	0.26	0.01	0.28	0.08	0.19	0.01	0.03
786.9	0.01	0.01	0.00	0.37	0.07	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.04	0.08	0.19	0.00	0.15	0.04	0.13	0.00	0.00
863.9	0.00	0.00	0.00	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.01	0.04	0.11	0.00	0.06	0.01	0.09	0.00	0.00
948.2	0.00	0.00	0.00	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.05	0.00	0.01	0.00	0.05	0.00	0.00
1041	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00
1143	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1377	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1512	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1660	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1822	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000																					

NEREIDA

2009061
All phases

STN (Nereida BC)	164	165	166	167	168	169	170	171	172	173	174	175	176	177	180
STN (GSC)	**0199**	**0201**	**0203**	**0204**	**0206**	**0207**	**0208**	**0209**	**0210**	**0211**	**0212**	**0214**	**0216**	**0217**	**0223**
Top int cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm
Bot int cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm
T.C. (%)	4.1	2.6	3.2	2.6	2.8	2.8	2.4	2.0	3.1	3.9	2.9	3.5	3.6	3.8	1.2
T.C. (%) dup															
O.C. (%)	0.3	0.4	0.3	0.3	0.4	0.5	0.6	0.7	0.3	0.3	0.3	0.4	0.3	0.5	0.5
O.C. (%) dup															
I.C. (%) by diff.	3.8	2.2	2.9	2.3	2.3	2.3	1.8	1.3	2.7	3.6	2.6	3.2	3.2	3.3	0.8
% sortable silt	22.0	49.2	34.4	46.7	48.2	46.7	49.6	42.8	71.3	18.8	13.0	54.0	65.6	65.8	10.3
%clay	**11.9**	**17.5**	**13.4**	**8.2**	**16.6**	**17.3**	**18.3**	**17.7**	**11.2**	**5.8**	**5.1**	**12.0**	**10.4**	**13.1**	**5.0**
%silt	**34.3**	**69.5**	**50.2**	**55.9**	**68.5**	**66.3**	**70.4**	**62.9**	**83.8**	**27.9**	**19.8**	**66.8**	**77.2**	**81.4**	**16.0**
%sand	**53.8**	**13.0**	**36.4**	**35.9**	**15.0**	**16.4**	**11.3**	**19.4**	**5.0**	**66.3**	**75.0**	**21.2**	**12.4**	**5.5**	**79.0**
% gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.375	0.06	0.05	0.03	0.03	0.05	0.05	0.05	0.05	0.04	0.01	0.01	0.04	0.04	0.05	0.01
0.412	0.10	0.10	0.06	0.05	0.09	0.09	0.10	0.08	0.07	0.03	0.02	0.07	0.07	0.08	0.02
0.452	0.15	0.14	0.09	0.07	0.13	0.14	0.14	0.12	0.11	0.04	0.03	0.10	0.10	0.12	0.03
0.496	0.21	0.20	0.13	0.11	0.19	0.20	0.20	0.17	0.16	0.06	0.05	0.15	0.14	0.17	0.04
0.545	0.26	0.26	0.17	0.14	0.24	0.26	0.26	0.22	0.20	0.07	0.06	0.19	0.18	0.22	0.06
0.598	0.30	0.32	0.21	0.16	0.29	0.31	0.32	0.27	0.24	0.08	0.08	0.23	0.22	0.26	0.07
0.657	0.33	0.37	0.24	0.19	0.34	0.37	0.37	0.32	0.28	0.10	0.09	0.26	0.25	0.31	0.08
0.721	0.36	0.42	0.28	0.21	0.39	0.42	0.43	0.37	0.32	0.11	0.10	0.30	0.29	0.35	0.10
0.791	0.39	0.48	0.32	0.24	0.44	0.47	0.48	0.42	0.35	0.13	0.12	0.34	0.32	0.39	0.11
0.869	0.41	0.53	0.35	0.26	0.48	0.52	0.53	0.47	0.38	0.14	0.13	0.38	0.35	0.43	0.12
0.953	0.42	0.57	0.39	0.28	0.53	0.57	0.58	0.52	0.41	0.15	0.14	0.41	0.38	0.47	0.14
1.047	0.42	0.62	0.42	0.30	0.57	0.62	0.63	0.56	0.44	0.16	0.15	0.44	0.40	0.50	0.15
1.149	0.43	0.66	0.45	0.32	0.61	0.66	0.68	0.61	0.46	0.18	0.16	0.47	0.43	0.53	0.17
1.261	0.43	0.70	0.48	0.33	0.64	0.70	0.72	0.66	0.48	0.19	0.18	0.49	0.45	0.56	0.18
1.385	0.44	0.74	0.51	0.35	0.68	0.73	0.76	0.71	0.50	0.20	0.19	0.52	0.46	0.58	0.20
1.52	0.45	0.77	0.54	0.36	0.71	0.77	0.80	0.76	0.52	0.22	0.20	0.54	0.48	0.60	0.21
1.669	0.46	0.81	0.58	0.37	0.75	0.80	0.85	0.81	0.53	0.24	0.22	0.57	0.49	0.62	0.23
1.832	0.48	0.85	0.62	0.39	0.79	0.84	0.89	0.87	0.54	0.26	0.24	0.59	0.51	0.64	0.25
2.01	0.52	0.89	0.67	0.41	0.84	0.88	0.94	0.93	0.56	0.28	0.26	0.61	0.52	0.66	0.26
2.207	0.56	0.94	0.72	0.42	0.89	0.93	1.00	1.00	0.57	0.31	0.28	0.64	0.54	0.68	0.28
2.423	0.61	0.99	0.79	0.45	0.95	0.98	1.06	1.08	0.59	0.35	0.31	0.67	0.56	0.71	0.31
2.66	0.67	1.06	0.87	0.47	1.02	1.04	1.13	1.16	0.62	0.39	0.34	0.71	0.58	0.74	0.33
2.92	0.74	1.13	0.96	0.50	1.10	1.11	1.21	1.25	0.65	0.44	0.38	0.75	0.61	0.78	0.36
3.206	0.82	1.22	1.06	0.54	1.19	1.19	1.30	1.35	0.68	0.49	0.42	0.80	0.64	0.83	0.39
3.519	0.91	1.31	1.16	0.58	1.28	1.28	1.40	1.45	0.73	0.55	0.46	0.85	0.68	0.88	0.42
3.862	0.99	1.41	1.27	0.62	1.39	1.37	1.50	1.55	0.78	0.61	0.51	0.90	0.73	0.95	0.45
4.241	1.07	1.52	1.38	0.67	1.50	1.48	1.61	1.65	0.83	0.68	0.55	0.96	0.79	1.02	0.48
4.656	1.15	1.63	1.47	0.72	1.62	1.58	1.72	1.75	0.90	0.74	0.59	1.03	0.85	1.11	0.51
5.111	1.21	1.74	1.56	0.77	1.74	1.69	1.83	1.85	0.98	0.80	0.63	1.09	0.92	1.20	0.53
5.611	1.26	1.86	1.62	0.83	1.86	1.80	1.94	1.94	1.06	0.86	0.67	1.16	0.99	1.31	0.56
6.158	1.30	1.98	1.66	0.88	1.98	1.90	2.05	2.01	1.15	0.92	0.70	1.23	1.08	1.44	0.58
6.761	1.31	2.09	1.68	0.95	2.10	2.01	2.15	2.08	1.25	0.96	0.72	1.30	1.17	1.57	0.59
7.421	1.31	2.21	1.67	1.01	2.21	2.12	2.24	2.13	1.37	1.00	0.74	1.38	1.27	1.72	0.60
8.147	1.28	2.32	1.64	1.08	2.33	2.22	2.33	2.18	1.49	1.03	0.74	1.46	1.38	1.89	0.61
8.944	1.23	2.43	1.58	1.15	2.43	2.32	2.42	2.21	1.63	1.05	0.74	1.54	1.51	2.08	0.62
9.819	1.16	2.54	1.49	1.23	2.54	2.43	2.49	2.22	1.80	1.05	0.73	1.63	1.65	2.30	0.61
10.78	1.07	2.64	1.39	1.32	2.63	2.52	2.56	2.23	1.98	1.04	0.71	1.74	1.82	2.54	0.61
11.83	0.98	2.74	1.30	1.42	2.72	2.62	2.62	2.22	2.19	1.02	0.68	1.85	2.00	2.81	0.59
12.99	0.90	2.84	1.24	1.54	2.81	2.72	2.67	2.21	2.43	1.00	0.66	1.97	2.21	3.10	0.58
14.26	0.85	2.94	1.22	1.68	2.89	2.82	2.73	2.22	2.70	0.98	0.63	2.12	2.45	3.42	0.58
15.65	0.84	3.04	1.26	1.84	2.98	2.93	2.80	2.25	3.00	0.96	0.61	2.28	2.72	3.75	0.57
17.18	0.86	3.14	1.35	2.01	3.05	3.02	2.86	2.29	3.32	0.95	0.60	2.45	3.01	4.06	0.58
18.86	0.90	3.20	1.46	2.18	3.10	3.08	2.91	2.33	3.65	0.94	0.60	2.60	3.30	4.34	0.58
20.7	0.95	3.20	1.58	2.34	3.08	3.07	2.92	2.35	3.97	0.93	0.60	2.74	3.58	4.55	0.57
22.73	1.00	3.13	1.69	2.48	3.01	3.00	2.89	2.34	4.27	0.91	0.59	2.84	3.84	4.66	0.55
24.95	1.04	3.00	1.79	2.60	2.89	2.87	2.83	2.31	4.53	0.89	0.58	2.92	4.07	4.65	0.54
27.38	1.10	2.82	1.90	2.68	2.74	2.71	2.77	2.28	4.72	0.87	0.58	3.00	4.25	4.54	0.52
30.07	1.16	2.64	2.01	2.75	2.58	2.54	2.71	2.26	4.84	0.87	0.59	3.09	4.40	4.33	0.51
33	1.24	2.47	2.11	2.82	2.43	2.37	2.67	2.26	4.86	0.88	0.61	3.22	4.48	4.03	0.51
36.24	1.33	2.32	2.19	2.88	2.28	2.20	2.62	2.27	4.80	0.92	0.65	3.35	4.50	3.67	0.51
39.77	1.42	2.19	2.24	2.96	2.13	2.02	2.55	2.28	4.65	0.97	0.70	3.47	4.42	3.24	0.51
43.66	1.50	2.04	2.28	3.06	1.98	1.84	2.43	2.26	4.44	1.04	0.77	3.54	4.22	2.76	0.50
47.93	1.57	1.85	2.34	3.20	1.80	1.65	2.25	2.22	4.13	1.12	0.85	3.58	3.90	2.25	0.50
52.63	1.63	1.62	2.45	3.36	1.61	1.46	2.01	2.15	3.70	1.20	0.94	3.60	3.47	1.76	0.50
57.77	1.71	1.39	2.64	3.53	1.44	1.29	1.76	2.09	3.11	1.29	1.04	3.64	2.97	1.32	0.51
63.41	1.81	1.22	2.91	3.70	1.30	1.15	1.53	2.05	2.36	1.40	1.18	3.71	2.49	0.98	0.55
69.62	1.93	1.18	3.24	3.82	1.24	1.05	1.36	2.04	1.55	1.54	1.34	3.78	2.08	0.78	0.61
76.43	2.06	1.31	3.55	3.88	1.29	1.02	1.27	2.08	0.79	1.74	1.55	3.75	1.78	0.69	0.69
83.9	2.19	1.59	3.78	3.83	1.44	1.07	1.26	2.14	0.28	1.99	1.80	3.48	1.59	0.69	0.79
92.09	2.29	1.89	3.88	3.70	1.67	1.22	1.29	2.20	0.05	2.29	2.09	2.89	1.43	0.70	0.88
101.1	2.36	2.00	3.82	3.48	1.87	1.45	1.29	2.21	0.00	2.61	2.40	2.04	1.22	0.65	0.96
111	2.39	1.78	3.62	3.21	1.93	1.73	1.20	2.10	0.00	2.92	2.70	1.09	0.93	0.51	1.03
121.8	2.38	1.22	3.30	2.89	1.75	1.94	0.98	1.81	0.00	3.17	2.96	0.40	0.56	0.30	1.09
133.7	2.35	0.59	2.85	2.50	1.34	1.96	0.66	1.38	0.00	3.33	3.16	0.07	0.24	0.12	1.15
146.8	2.29	0.16	2.28	2.02	0.77	1.70	0.34	0.86	0.00	3.36	3.25	0.01	0.05	0.02	1.23
161.2	2.18	0.02	1.63	1.47	0.30	1.21	0.11	0.40	0.00	3.26	3.20	0.00	0.01	0.00	1.33
176.8	2.02	0.00	0.97	0.88	0.06	0.64	0.02	0.12	0.00	3.04	3.03	0.00	0.00	0.00	1.46
194.2	1.83	0.00	0.44	0.40	0.00	0.22	0.00	0.02	0.00	2.72	2.74	0.00	0.00	0.00	1.63
213.2	1.65	0.00	0.13	0.11	0.00	0.04	0.00	0.00	0.00	2.37	2.40	0.00	0.00	0.00	1.84
234.1	1.54	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	2.04	2.09	0.00	0.00	0.00	2.10
256.8	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	1.86	0.00	0.00	0.00	2.38
282.1	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	1.73	0.00	0.00	0.00	2.66
309.6	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	1.71	0.00	0.00	0.00	2.91
339.8	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	1.78	0.00	0.00	0.00	3.11
373.1	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	1.90	0.00	0.00	0.00	3.25
409.6	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	2.05	0.00	0.00	0.00	3.34
449.7	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	2.20	0.00	0.00	0.00	3.41
493.6	1.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	2.33	0.00	0.00	0.00	3.46
541.9	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	2.41	0.00	0.00	0.00	3.51
594.9	1.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	2.45	0.00	0.00	0.00	3.54
653	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	2.43	0.00	0.00	0.00	3.53
716.9	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	2.36	0.00	0.00	0.00	3.44
786.9	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	2.23	0.00	0.00	0.00	3.28
863.9	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	2.06	0.00	0.00	0.00	3.03
948.2	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.85	0.00	0.00	0.00	2.75
1041	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	1.64	0.00	0.00	0.00	2.46
1143	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	1.44	0.00	0.00	0.00	2.22
1255	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	1.26	0.00	0.00	0.00	2.04
1377	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	1.09	0.00	0.00	0.00	1.94
1512	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.92	0.00	0.00	0.00	1.86
1660	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.79	0.00	0.00	0.00	1.80
1822	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.67	0.00	0.00	0.00	1.82
2000															

NEREIDA

2010061
Phase 1

STN (Nereida BC)	BC 181	BC 182	BC 183	BC 185	BC 186	BC 187	BC 188	BC 189	BC 190	BC 191	BC 192	BC 193	BC 196	BC 197	BC 199	BC 200	BC 201	BC 202	BC 203	BC 204	BC 205	BC 206
STN (GSC)	001AA	003AA	004AA	006AA	007AA	008AA	010AA	011AA	012AA	014AA	015AA	016AA	017AA	018AA	019AA	021AA	022AA	024AA	025AA	026AA	027AA	028AA
Top (cm)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom (cm)		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
T.C. (%)		**3.4**	**3.6**	**5.5**	**6.0**	**5.5**	**5.7**	**5.5**	**5.6**	**5.7**	~~n/s~~	**6.3**	**5.5**	**5.4**	**5.5**	**5.3**	**5.1**	**5.4**	**3.2**	**3.2**	**4.6**	**4.5**
T.C. (%) dup												**6.0**										**4.5**
O.C. (%)		**0.2**	**0.4**	**1.2**	**0.4**	**0.2**	**0.4**	**0.5**	**0.3**	**0.4**		**0.4**	**0.2**	**0.2**	**0.1**	**0.2**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.2**
O.C. (%) dup												**0.5**										**0.2**
I.C. (%) by diff.		**3.2**	**3.2**	**4.3**	**5.7**	**5.3**	**5.3**	**5.0**	**5.3**	**5.4**		**5.7**	**5.3**	**5.2**	**5.4**	**5.2**	**5.0**	**5.3**	**3.1**	**3.1**	**4.4**	**4.3**
%sortablesilt		26.4	35.6		13.2	18.7	17.3	16.9	13.0	17.3	22.0	14.9	13.9	20.6	14.9	23.4	23.9	20.4	30.9	31.3	26.2	33.3
%clay		**13.0**	**12.5**		**8.5**	**8.7**	**6.4**	**11.7**	**13.2**	**9.9**	**12.1**	**9.0**	**8.3**	**10.1**	**6.8**	**9.5**	**9.0**	**8.3**	**10.6**	**11.1**	**5.8**	**10.5**
%silt		**40.3**	**40.2**		**15.3**	**21.1**	**20.7**	**19.8**	**16.8**	**20.0**	**26.4**	**17.7**	**16.3**	**23.5**	**17.4**	**26.3**	**26.5**	**22.8**	**34.5**	**35.5**	**28.0**	**36.9**
%sand		**46.8**	**37.5**		**70.7**	**64.2**	**66.6**	**61.1**	**60.7**	**63.5**	**51.8**	**66.7**	**69.9**	**59.6**	**70.4**	**57.2**	**58.4**	**63.3**	**46.9**	**44.8**	**62.4**	**44.5**
%gravel		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm		Diff. Volume %	Diff. Volume %		Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.38		0.06	0.05		0.04	0.04	0.03	0.06	0.06	0.04	0.06	0.04	0.04	0.05	0.03	0.04	0.04	0.04	0.05	0.05	0.03	0.05
0.41		0.10	0.10		0.06	0.07	0.05	0.10	0.11	0.08	0.10	0.07	0.07	0.09	0.05	0.08	0.08	0.07	0.09	0.09	0.05	0.08
0.45		0.15	0.14		0.09	0.10	0.07	0.15	0.17	0.12	0.15	0.11	0.10	0.13	0.08	0.11	0.11	0.10	0.13	0.13	0.07	0.12
0.50		0.21	0.20		0.13	0.14	0.10	0.21	0.23	0.17	0.21	0.15	0.14	0.18	0.11	0.16	0.16	0.14	0.18	0.19	0.10	0.17
0.54		0.26	0.25		0.17	0.17	0.13	0.26	0.29	0.21	0.26	0.19	0.17	0.22	0.13	0.20	0.20	0.17	0.22	0.23	0.12	0.22
0.60		0.31	0.29		0.19	0.20	0.15	0.30	0.33	0.24	0.30	0.22	0.20	0.26	0.15	0.23	0.23	0.20	0.26	0.27	0.14	0.25
0.66		0.35	0.33		0.22	0.22	0.16	0.34	0.37	0.27	0.33	0.24	0.23	0.29	0.17	0.26	0.26	0.22	0.29	0.30	0.16	0.28
0.72		0.38	0.36		0.24	0.25	0.18	0.37	0.41	0.30	0.36	0.27	0.25	0.32	0.19	0.28	0.29	0.25	0.32	0.34	0.18	0.31
0.79		0.41	0.39		0.26	0.27	0.19	0.40	0.44	0.32	0.39	0.29	0.27	0.34	0.21	0.30	0.31	0.26	0.34	0.36	0.19	0.33
0.87		0.43	0.41		0.28	0.28	0.20	0.42	0.45	0.34	0.40	0.30	0.28	0.36	0.22	0.32	0.32	0.28	0.36	0.38	0.20	0.35
0.95		0.44	0.42		0.29	0.29	0.21	0.43	0.47	0.35	0.41	0.31	0.29	0.37	0.23	0.33	0.33	0.29	0.37	0.39	0.21	0.36
1.05		0.45	0.43		0.30	0.30	0.21	0.44	0.47	0.36	0.42	0.32	0.30	0.37	0.23	0.33	0.33	0.30	0.38	0.40	0.22	0.36
1.15		0.46	0.44		0.31	0.31	0.21	0.44	0.48	0.36	0.43	0.32	0.31	0.38	0.24	0.34	0.34	0.30	0.38	0.40	0.22	0.37
1.26		0.47	0.45		0.32	0.32	0.21	0.44	0.48	0.37	0.43	0.33	0.31	0.38	0.25	0.34	0.34	0.31	0.39	0.41	0.23	0.38
1.38		0.48	0.46	NO ANALYSIS	0.33	0.33	0.22	0.45	0.48	0.38	0.43	0.34	0.32	0.38	0.25	0.35	0.34	0.32	0.40	0.41	0.23	0.38
1.52		0.49	0.47		0.34	0.34	0.22	0.46	0.49	0.38	0.44	0.34	0.33	0.39	0.26	0.36	0.35	0.33	0.40	0.42	0.24	0.39
1.67		0.51	0.49		0.36	0.36	0.24	0.47	0.51	0.40	0.46	0.36	0.34	0.40	0.27	0.37	0.36	0.34	0.42	0.43	0.25	0.41
1.83		0.54	0.52		0.38	0.38	0.25	0.49	0.53	0.42	0.48	0.38	0.35	0.41	0.29	0.39	0.37	0.36	0.44	0.45	0.26	0.43
2.01		0.58	0.55		0.40	0.40	0.27	0.51	0.57	0.44	0.52	0.40	0.37	0.44	0.31	0.42	0.39	0.38	0.47	0.48	0.27	0.46
2.21		0.63	0.60		0.43	0.43	0.30	0.55	0.61	0.48	0.56	0.43	0.40	0.47	0.34	0.46	0.42	0.40	0.51	0.52	0.28	0.50
2.42		0.68	0.66		0.46	0.47	0.34	0.59	0.67	0.52	0.62	0.47	0.43	0.51	0.37	0.50	0.45	0.44	0.55	0.57	0.30	0.55
2.66		0.75	0.73		0.50	0.51	0.38	0.65	0.74	0.56	0.69	0.51	0.47	0.55	0.40	0.55	0.49	0.48	0.60	0.62	0.32	0.61
2.92		0.83	0.80		0.54	0.56	0.43	0.70	0.82	0.62	0.78	0.57	0.51	0.61	0.44	0.61	0.54	0.52	0.67	0.69	0.35	0.67
3.21		0.91	0.89		0.58	0.61	0.49	0.77	0.90	0.67	0.87	0.62	0.56	0.67	0.49	0.67	0.59	0.57	0.74	0.76	0.38	0.75
3.52		1.00	0.98		0.63	0.66	0.55	0.84	0.99	0.73	0.96	0.68	0.60	0.73	0.54	0.74	0.65	0.62	0.81	0.85	0.41	0.82
3.86		1.09	1.08		0.67	0.71	0.62	0.90	1.09	0.79	1.07	0.75	0.65	0.80	0.59	0.80	0.70	0.67	0.88	0.93	0.44	0.90
4.24		1.18	1.18		0.71	0.76	0.70	0.96	1.17	0.85	1.17	0.81	0.70	0.86	0.64	0.87	0.76	0.72	0.96	1.02	0.47	0.98
4.66		1.26	1.27		0.75	0.81	0.77	1.02	1.25	0.90	1.26	0.86	0.74	0.92	0.69	0.93	0.81	0.76	1.03	1.10	0.50	1.06
5.11		1.33	1.35		0.77	0.84	0.84	1.06	1.32	0.94	1.35	0.91	0.78	0.97	0.73	0.98	0.85	0.80	1.10	1.18	0.53	1.13
5.61		1.40	1.43		0.79	0.87	0.91	1.09	1.37	0.97	1.42	0.95	0.81	1.01	0.77	1.02	0.89	0.83	1.15	1.25	0.55	1.18
6.16		1.44	1.49		0.80	0.89	0.97	1.11	1.40	0.99	1.48	0.98	0.83	1.03	0.80	1.05	0.91	0.85	1.20	1.32	0.57	1.23
6.76		1.47	1.53		0.80	0.89	1.03	1.10	1.41	1.00	1.51	1.00	0.84	1.04	0.83	1.06	0.92	0.85	1.23	1.37	0.59	1.26
7.42		1.48	1.56		0.78	0.88	1.07	1.08	1.39	0.99	1.52	1.01	0.84	1.04	0.84	1.06	0.92	0.85	1.24	1.40	0.60	1.27
8.15		1.47	1.56		0.75	0.86	1.11	1.04	1.34	0.96	1.51	1.00	0.82	1.02	0.85	1.03	0.90	0.83	1.24	1.42	0.61	1.26
8.94		1.44	1.55		0.71	0.82	1.13	0.98	1.27	0.91	1.47	0.97	0.79	0.98	0.84	0.99	0.87	0.79	1.22	1.42	0.60	1.23
9.82		1.38	1.51		0.65	0.76	1.13	0.90	1.17	0.85	1.40	0.92	0.75	0.92	0.82	0.93	0.82	0.74	1.19	1.41	0.59	1.18
10.78		1.31	1.45		0.59	0.70	1.12	0.81	1.05	0.77	1.30	0.86	0.69	0.85	0.78	0.86	0.76	0.68	1.14	1.37	0.58	1.12
11.83		1.23	1.38		0.52	0.63	1.09	0.72	0.92	0.69	1.19	0.79	0.63	0.77	0.74	0.78	0.70	0.62	1.08	1.33	0.56	1.04
12.99		1.16	1.31		0.46	0.56	1.05	0.64	0.80	0.61	1.09	0.72	0.56	0.70	0.69	0.70	0.64	0.56	1.02	1.28	0.54	0.97
14.26		1.10	1.26		0.40	0.51	1.00	0.59	0.71	0.55	1.00	0.65	0.51	0.64	0.65	0.64	0.60	0.51	0.97	1.25	0.52	0.91
15.65		1.08	1.23		0.37	0.48	0.95	0.57	0.65	0.52	0.94	0.60	0.47	0.62	0.61	0.61	0.58	0.48	0.95	1.23	0.51	0.88
17.18		1.09	1.23		0.36	0.47	0.91	0.59	0.64	0.52	0.92	0.58	0.45	0.62	0.58	0.61	0.59	0.47	0.96	1.23	0.52	0.89
18.86		1.12	1.27		0.38	0.50	0.87	0.64	0.64	0.55	0.91	0.57	0.45	0.64	0.57	0.64	0.63	0.50	1.00	1.26	0.54	0.93
20.71		1.16	1.33		0.42	0.54	0.83	0.68	0.64	0.59	0.92	0.58	0.46	0.68	0.56	0.70	0.69	0.54	1.06	1.29	0.59	1.00
22.73		1.20	1.41		0.46	0.60	0.80	0.72	0.62	0.64	0.91	0.59	0.48	0.73	0.57	0.76	0.76	0.60	1.13	1.33	0.66	1.09
24.95		1.23	1.50		0.51	0.66	0.77	0.75	0.59	0.69	0.91	0.60	0.51	0.77	0.58	0.83	0.84	0.66	1.22	1.37	0.75	1.21
27.39		1.27	1.62		0.56	0.73	0.74	0.78	0.55	0.74	0.92	0.62	0.53	0.81	0.59	0.90	0.93	0.73	1.33	1.42	0.88	1.35
30.07		1.33	1.77		0.61	0.81	0.73	0.83	0.53	0.81	0.96	0.64	0.57	0.87	0.61	1.00	1.06	0.82	1.46	1.50	1.06	1.54
33.01		1.41	1.97		0.68	0.91	0.73	0.90	0.52	0.90	1.03	0.67	0.61	0.95	0.65	1.15	1.24	0.94	1.64	1.60	1.32	1.81
36.24		1.50	2.20		0.77	1.05	0.75	1.00	0.54	1.02	1.13	0.73	0.68	1.08	0.70	1.36	1.48	1.13	1.86	1.75	1.66	2.15
39.78		1.61	2.46		0.87	1.24	0.78	1.11	0.58	1.16	1.26	0.81	0.79	1.28	0.79	1.63	1.78	1.40	2.12	1.93	2.09	2.54
43.67		1.72	2.71		1.01	1.50	0.84	1.23	0.64	1.33	1.40	0.93	0.95	1.55	0.94	1.98	2.13	1.75	2.43	2.14	2.58	2.96
47.94		1.83	2.95		1.19	1.84	0.94	1.33	0.72	1.52	1.56	1.09	1.18	1.91	1.14	2.36	2.50	2.19	2.79	2.39	3.12	3.35
52.63		1.95	3.16		1.40	2.25	1.09	1.43	0.81	1.72	1.73	1.29	1.49	2.33	1.41	2.76	2.84	2.67	3.17	2.66	3.64	3.66
57.77		2.09	3.33		1.65	2.72	1.30	1.52	0.93	1.94	1.92	1.56	1.87	2.79	1.75	3.11	3.14	3.14	3.55	2.94	4.09	3.85
63.42		2.26	3.45		1.94	3.20	1.57	1.61	1.07	2.17	2.12	1.86	2.30	3.23	2.13	3.39	3.35	3.55	3.91	3.22	4.44	3.91
69.62		2.45	3.52		2.25	3.63	1.90	1.74	1.24	2.42	2.34	2.20	2.73	3.59	2.54	3.57	3.46	3.85	4.19	3.46	4.64	3.84
76.43		2.65	3.51		2.56	3.97	2.26	1.92	1.44	2.69	2.54	2.55	3.14	3.80	2.92	3.63	3.48	4.00	4.34	3.63	4.72	3.67
83.90		2.83	3.41		2.87	4.18	2.62	2.17	1.66	2.98	2.69	2.87	3.46	3.85	3.24	3.59	3.41	4.00	4.34	3.69	4.68	3.44
92.10		2.95	3.22		3.14	4.23	2.95	2.49	1.91	3.26	2.79	3.15	3.69	3.74	3.48	3.47	3.31	3.89	4.17	3.64	4.57	3.19
101.10		2.99	2.96		3.38	4.16	3.21	2.87	2.19	3.52	2.82	3.37	3.82	3.54	3.65	3.34	3.22	3.73	3.86	3.47	4.42	2.95
110.99		2.96	2.65		3.59	4.01	3.40	3.30	2.50	3.77	2.82	3.55	3.88	3.33	3.76	3.24	3.18	3.58	3.47	3.22	4.27	2.76
121.84		2.85	2.35		3.78	3.84	3.54	3.72	2.86	3.99	2.82	3.69	3.92	3.17	3.86	3.20	3.22	3.50	3.06	2.94	4.13	2.60
133.75		2.70	2.06		3.96	3.70	3.63	4.09	3.24	4.17	2.84	3.83	3.96	3.10	3.98	3.23	3.32	3.49	2.67	2.64	3.98	2.47
146.82		2.49	1.78		4.13	3.57	3.68	4.31	3.59	4.26	2.86	3.94	4.01	3.08	4.11	3.28	3.45	3.51	2.29	2.32	3.76	2.32
161.18		2.21	1.47		4.23	3.43	3.68	4.29	3.85	4.20	2.84	3.99	4.02	3.04	4.21	3.27	3.49	3.51	1.89	1.95	3.42	2.08
176.94		1.86	1.12		4.24	3.20	3.61	3.99	3.95	3.96	2.72	3.96	3.95	2.89	4.23	3.15	3.38	3.39	1.45	1.53	2.94	1.74
194.23		1.48	0.76		4.14	2.88	3.48	3.44	3.87	3.54	2.51	3.82	3.78	2.61	4.14	2.88	3.09	3.14	1.00	1.07	2.34	1.34
213.22		1.14	0.47		3.93	2.48	3.31	2.76	3.62	3.01	2.24	3.60	3.53	2.25	3.90	2.51	2.65	2.78	0.64	0.67	1.72	0.98
234.07		0.90	0.31		3.63	2.08	3.12	2.12	3.28	2.47	1.99	3.32	3.22	1.88	3.56	2.11	2.18	2.38	0.43	0.42	1.20	0.73
256.95		0.80	0.28		3.27	1.73	2.94	1.62	2.90	2.02	1.80	3.03	2.90	1.59	3.16	1.75	1.76	2.01	0.37	0.33	0.85	0.63
282.07		0.82	0.36		2.88	1.48	2.75	1.32	2.53	1.69	1.68	2.73	2.57	1.40	2.72	1.47	1.44	1.70	0.44	0.36	0.67	0.65
309.64		0.92	0.50		2.47	1.30	2.53	1.18	2.19	1.48	1.60	2.41	2.24	1.29	2.28	1.26	1.21	1.45	0.58	0.47	0.63	0.74
339.92		1.02	0.63		2.04	1.17	2.25	1.14	1.87	1.33	1.49	2.06	1.89	1.19	1.86	1.08	1.05	1.23	0.70	0.59	0.65	0.82
373.15		1.07	0.67		1.62	1.05	1.90	1.13	1.57	1.22	1.33	1.67	1.53	1.07	1.47	0.92	0.92	1.04	0.74	0.66	0.69	0.83
409.63		1.02	0.62		1.23	0.94	1.52	1.09	1.29	1.10	1.11	1.29	1.20	0.91	1.14	0.76	0.80	0.86	0.67	0.64	0.70	0.75
449.67		0.91	0.50		0.93	0.83	1.15	1.01	1.07	0.97	0.86	0.96	0.92	0.74	0.88	0.62	0.69	0.69	0.54	0.57	0.67	0.62
493.63		0.78	0.37		0.72	0.73	0.84	0.91	0.91	0.84	0.63	0.70	0.71	0.59	0.71	0.49	0.60	0.56	0.40	0.49	0.61	0.48
541.89		0.66	0.25		0.60	0.64	0.60	0.81	0.82	0.71	0.46	0.53	0.59	0.48	0.60	0.39	0.52	0.45	0.28	0.42	0.52	0.35
594.87		0.58	0.16		0.56	0.56	0.45	0.72	0.79	0.59	0.37	0.43	0.53	0.42	0.53	0.29	0.44	0.35	0.20	0.39	0.42	0.25
653.03		0.55	0.09		0.55	0.47	0.37	0.65	0.79	0.47	0.34	0.37	0.48	0.39	0.47	0.18	0.36	0.27	0.14	0.37	0.32	0.17
716.87		0.55	0.04		0.55	0.36	0.33	0.57	0.78	0.34	0.33	0.32	0.41	0.38	0.40	0.09	0.26	0.19	0.09	0.37	0.21	0.10
786.95		0.55	0.01		0.52	0.24	0.32	0.47	0.71	0.20	0.32	0.25	0.30	0.37	0.29	0.03	0.15	0.10	0.05	0.35	0.11	0.04
863.88		0.53	0.00		0.44	0.12	0.32	0.36	0.58	0.09	0.27	0.17	0.17	0.34	0.16	0.00	0.06	0.04	0.02	0.32	0.04	0.01
948.34		0.46	0.00		0.32	0.04	0.33	0.27	0.40	0.02	0.17	0.08	0.06	0.29	0.06	0.00	0.01	0.01	0.00	0.26	0.01	0.00
1041.05		0.36	0.00		0.18	0.01	0.33	0.21	0.23	0.00	0.07	0.03	0.01	0.25	0.01	0.00	0.00	0.00	0.00	0.18	0.00	0.00
1142.83		0.25	0.00		0.06	0.00	0.34	0.22	0.12	0.00	0.01	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
1254.55		0.13	0.00		0.01	0.00	0.34	0.29	0.09	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
1377.20		0.05	0.00		0.00	0.00	0.33	0.41	0.11	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
1511.84		0.01	0.00		0.00	0.00	0.29	0.54	0.16	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1659.64		0.00	0.00		0.00	0.00	0.24	0.63	0.22	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1821.89		0.00	0.00		0.00	0.00	0.18	0.70	0.29	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00																						

NEREIDA

2010061
Phase 1

STN (Nereida BC)	BC 207	BC 208	BC 210	BC 211	BC 212	BC 213	BC 214	BC 215	BC 216	BC 217	BC 218	BC 219	BC 220	BC 221	BC 222	BC 223	BC 224	BC 225	BC 226	BC 227	BC 228	BC 229	BC 230
STN (GSC)	029AA	031AA	032AA	034AA	035AA	036AA	037AA	039AA	040AA	041AA	043AA	044AA	045AA	046AA	048AA	049AA	051AA	052AA	054AA	055AA	057AA	058AA	059AA
Top (cm)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom (cm)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
T.C. (%)	**3.5**	**3.2**	**4.7**	**4.8**	**4.7**	**5.6**	**5.0**	**3.0**	**3.3**	**3.3**	**4.3**	**3.6**	**6.2**	**5.0**	**4.3**	**5.0**	**5.1**	**5.9**	**5.5**	**3.2**	**3.1**	**4.2**	**3.8**
T.C. (%) dup										**3.3**										**3.2**			
O.C. (%)	**0.1**	**0.2**	**0.2**	**0.3**	**0.4**	**0.1**	**0.2**	**0.4**	**0.2**	**0.3**	**0.3**	**0.2**	**0.4**	**0.5**	**0.5**	**0.6**	**0.3**	**0.6**	**0.7**	**0.4**	**0.8**	**0.8**	**0.8**
O.C. (%) dup										**0.2**										**0.4**			
I.C. (%) by diff.	**3.4**	**3.0**	**4.6**	**4.5**	**4.3**	**5.4**	**4.8**	**2.5**	**3.1**	**3.0**	**4.0**	**3.3**	**5.8**	**4.5**	**3.8**	**4.4**	**4.8**	**5.3**	**4.9**	**2.8**	**2.3**	**3.4**	**3.1**
%sortablesilt	20.0	28.6		50.6	51.9		53.2	48.2	48.7	33.7	31.9	34.0		27.4	40.8		27.9	44.8	45.6	37.4	42.6	51.3	46.7
%clay	**10.7**	**10.0**		**16.1**	**14.9**		**12.5**	**15.6**	**11.8**	**12.9**	**11.2**	**12.6**		**13.4**	**15.3**		**10.6**	**15.5**	**18.2**	**11.3**	**19.8**	**18.7**	**19.0**
%silt	**23.4**	**32.2**		**55.5**	**56.8**		**57.7**	**55.1**	**55.0**	**38.5**	**35.6**	**38.2**		**30.8**	**45.4**		**31.2**	**50.5**	**52.2**	**41.9**	**50.8**	**58.4**	**52.2**
%sand	**58.2**	**50.5**		**17.5**	**17.9**		**20.3**	**17.6**	**22.9**	**38.7**	**44.9**	**39.6**		**47.2**	**28.5**		**50.7**	**21.7**	**15.5**	**37.9**	**14.3**	**9.4**	**17.3**
%gravel	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %		Diff. Volume %	Diff. Volume %		Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %		Diff. Volume %	Diff. Volume %		Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.38	0.05	0.04		0.07	0.07		0.06	0.08	0.06	0.06	0.05	0.06		0.07	0.07		0.05	0.07	0.09	0.05	0.09	0.09	0.10
0.41	0.09	0.08		0.13	0.12		0.10	0.13	0.10	0.10	0.10	0.10		0.12	0.13		0.09	0.13	0.16	0.09	0.16	0.16	0.17
0.45	0.13	0.11		0.20	0.18		0.15	0.20	0.15	0.15	0.14	0.15		0.18	0.19		0.14	0.19	0.24	0.13	0.24	0.24	0.25
0.50	0.18	0.16		0.28	0.26		0.21	0.28	0.21	0.22	0.20	0.21		0.26	0.27		0.19	0.27	0.34	0.19	0.34	0.34	0.36
0.54	0.22	0.20		0.34	0.32		0.26	0.35	0.26	0.27	0.25	0.26		0.32	0.34		0.24	0.33	0.41	0.24	0.43	0.42	0.45
0.60	0.26	0.23		0.40	0.37		0.30	0.41	0.30	0.31	0.29	0.30		0.37	0.39		0.27	0.39	0.48	0.27	0.50	0.49	0.52
0.66	0.29	0.26		0.45	0.42		0.34	0.46	0.34	0.35	0.32	0.33		0.41	0.44		0.31	0.43	0.54	0.31	0.56	0.55	0.58
0.72	0.32	0.29		0.50	0.46		0.38	0.51	0.38	0.38	0.35	0.37		0.45	0.48		0.34	0.48	0.59	0.34	0.62	0.60	0.65
0.79	0.34	0.31		0.53	0.49		0.40	0.55	0.40	0.41	0.38	0.40		0.48	0.52		0.36	0.51	0.62	0.36	0.66	0.65	0.69
0.87	0.36	0.33		0.56	0.52		0.42	0.58	0.42	0.43	0.39	0.41		0.50	0.54		0.37	0.53	0.65	0.38	0.70	0.68	0.73
0.95	0.37	0.34		0.58	0.54		0.44	0.60	0.44	0.44	0.40	0.43		0.51	0.55		0.38	0.54	0.66	0.39	0.72	0.70	0.75
1.05	0.38	0.35		0.59	0.55		0.45	0.61	0.44	0.45	0.41	0.44		0.51	0.56		0.39	0.55	0.66	0.40	0.74	0.71	0.76
1.15	0.38	0.36		0.60	0.56		0.46	0.62	0.45	0.46	0.41	0.45		0.51	0.57		0.39	0.55	0.66	0.41	0.75	0.72	0.77
1.26	0.39	0.37		0.61	0.56		0.46	0.63	0.45	0.47	0.41	0.45		0.51	0.57		0.39	0.55	0.66	0.42	0.76	0.73	0.77
1.38	0.40	0.38		0.62	0.57		0.47	0.63	0.45	0.47	0.41	0.46		0.51	0.57		0.39	0.56	0.66	0.42	0.77	0.73	0.78
1.52	0.41	0.39		0.63	0.58		0.48	0.63	0.45	0.48	0.42	0.48		0.51	0.58		0.40	0.57	0.66	0.43	0.78	0.74	0.78
1.67	0.42	0.40	NO ANALYSIS	0.65	0.60	NO ANALYSIS	0.50	0.64	0.46	0.50	0.43	0.50	NO ANALYSIS	0.52	0.60	NO ANALYSIS	0.41	0.59	0.68	0.45	0.80	0.76	0.79
1.83	0.44	0.43		0.68	0.62		0.52	0.66	0.48	0.53	0.45	0.52		0.54	0.62		0.43	0.61	0.71	0.47	0.83	0.78	0.80
2.01	0.47	0.45		0.71	0.65		0.55	0.68	0.50	0.56	0.47	0.56		0.56	0.66		0.45	0.66	0.75	0.50	0.88	0.82	0.83
2.21	0.51	0.49		0.76	0.70		0.59	0.72	0.53	0.61	0.51	0.61		0.60	0.71		0.49	0.71	0.81	0.53	0.93	0.86	0.87
2.42	0.56	0.53		0.82	0.75		0.65	0.76	0.57	0.66	0.56	0.66		0.65	0.77		0.53	0.78	0.89	0.58	1.00	0.92	0.91
2.66	0.61	0.58		0.89	0.82		0.71	0.82	0.62	0.73	0.61	0.73		0.71	0.84		0.58	0.87	0.99	0.64	1.08	1.00	0.98
2.92	0.68	0.64		0.97	0.90		0.78	0.89	0.69	0.81	0.68	0.81		0.78	0.93		0.64	0.97	1.11	0.70	1.19	1.09	1.05
3.21	0.74	0.70		1.06	0.99		0.86	0.97	0.77	0.90	0.76	0.89		0.85	1.03		0.71	1.09	1.24	0.78	1.30	1.19	1.13
3.52	0.82	0.76		1.16	1.08		0.95	1.06	0.86	0.99	0.84	0.98		0.94	1.13		0.78	1.21	1.38	0.86	1.43	1.31	1.22
3.86	0.89	0.83		1.26	1.18		1.04	1.17	0.97	1.09	0.93	1.08		1.02	1.23		0.86	1.34	1.54	0.95	1.56	1.43	1.31
4.24	0.96	0.90		1.36	1.27		1.13	1.28	1.08	1.19	1.01	1.17		1.10	1.34		0.93	1.47	1.69	1.04	1.71	1.56	1.40
4.66	1.03	0.96		1.45	1.37		1.22	1.40	1.21	1.28	1.09	1.25		1.17	1.43		1.00	1.59	1.84	1.13	1.86	1.69	1.50
5.11	1.09	1.02		1.53	1.45		1.30	1.53	1.33	1.37	1.16	1.33		1.23	1.51		1.06	1.71	1.97	1.21	2.01	1.81	1.58
5.61	1.13	1.07		1.60	1.52		1.37	1.66	1.47	1.45	1.22	1.39		1.27	1.58		1.11	1.80	2.08	1.29	2.15	1.93	1.66
6.16	1.17	1.12		1.65	1.58		1.43	1.80	1.60	1.51	1.26	1.44		1.29	1.62		1.14	1.88	2.17	1.36	2.29	2.05	1.72
6.76	1.19	1.15		1.68	1.62		1.47	1.93	1.74	1.57	1.29	1.47		1.29	1.65		1.16	1.93	2.23	1.42	2.43	2.15	1.77
7.42	1.19	1.17		1.69	1.64		1.50	2.06	1.87	1.60	1.30	1.48		1.27	1.64		1.15	1.96	2.25	1.47	2.55	2.24	1.81
8.15	1.18	1.18		1.67	1.64		1.51	2.19	2.00	1.62	1.28	1.47		1.22	1.61		1.13	1.96	2.24	1.50	2.65	2.31	1.84
8.94	1.14	1.18		1.64	1.62		1.50	2.31	2.13	1.61	1.25	1.43		1.15	1.55		1.09	1.92	2.19	1.52	2.74	2.38	1.85
9.82	1.09	1.16		1.58	1.58		1.47	2.43	2.24	1.59	1.19	1.37		1.06	1.47		1.02	1.86	2.10	1.51	2.81	2.43	1.86
10.78	1.02	1.13		1.52	1.53		1.42	2.54	2.35	1.55	1.11	1.30		0.95	1.36		0.95	1.76	1.98	1.50	2.85	2.46	1.86
11.83	0.95	1.10		1.45	1.48		1.37	2.63	2.44	1.49	1.03	1.21		0.85	1.26		0.86	1.65	1.85	1.47	2.87	2.50	1.86
12.99	0.87	1.06		1.40	1.44		1.32	2.71	2.52	1.44	0.96	1.12		0.77	1.17		0.79	1.54	1.74	1.43	2.86	2.54	1.88
14.26	0.82	1.04		1.39	1.44		1.29	2.79	2.58	1.40	0.91	1.06		0.73	1.11		0.74	1.47	1.67	1.41	2.84	2.59	1.93
15.65	0.78	1.03		1.44	1.50		1.30	2.85	2.64	1.39	0.89	1.03		0.75	1.12		0.72	1.43	1.66	1.41	2.81	2.67	2.02
17.18	0.78	1.05		1.56	1.61		1.37	2.90	2.68	1.40	0.91	1.03		0.81	1.18		0.75	1.46	1.73	1.43	2.77	2.78	2.14
18.86	0.79	1.09		1.74	1.80		1.50	2.92	2.70	1.43	0.97	1.07		0.91	1.30		0.81	1.53	1.85	1.48	2.71	2.89	2.28
20.71	0.81	1.14		1.98	2.03		1.68	2.91	2.69	1.46	1.05	1.13		1.03	1.45		0.89	1.65	2.00	1.54	2.62	2.98	2.41
22.73	0.83	1.21		2.25	2.31		1.93	2.86	2.66	1.50	1.14	1.20		1.13	1.62		0.98	1.79	2.16	1.63	2.49	3.04	2.51
24.95	0.85	1.28		2.54	2.62		2.23	2.77	2.61	1.53	1.24	1.29		1.24	1.82		1.08	1.96	2.32	1.73	2.34	3.06	2.59
27.39	0.88	1.37		2.87	2.95		2.62	2.66	2.55	1.58	1.35	1.39		1.36	2.03		1.19	2.17	2.50	1.84	2.17	3.04	2.65
30.07	0.92	1.48		3.20	3.30		3.08	2.56	2.50	1.65	1.52	1.52		1.51	2.29		1.34	2.43	2.70	1.98	2.02	2.99	2.71
33.01	0.99	1.61		3.54	3.64		3.60	2.46	2.46	1.75	1.74	1.71		1.69	2.58		1.53	2.73	2.91	2.14	1.89	2.93	2.77
36.24	1.08	1.77		3.85	3.95		4.15	2.36	2.45	1.88	2.02	1.97		1.91	2.89		1.79	3.06	3.10	2.31	1.78	2.86	2.83
39.78	1.19	1.94		4.07	4.17		4.64	2.27	2.47	2.03	2.36	2.30		2.12	3.19		2.09	3.38	3.25	2.48	1.69	2.76	2.89
43.67	1.32	2.10		4.17	4.27		4.99	2.17	2.51	2.22	2.71	2.71		2.29	3.45		2.42	3.63	3.29	2.65	1.60	2.62	2.93
47.94	1.48	2.27		4.12	4.22		5.13	2.06	2.56	2.42	3.06	3.18		2.41	3.63		2.74	3.77	3.21	2.82	1.52	2.44	2.91
52.63	1.68	2.42		3.91	4.01		5.00	1.94	2.62	2.65	3.35	3.66		2.47	3.70		3.02	3.76	3.01	2.98	1.43	2.21	2.83
57.77	1.93	2.57		3.56	3.68		4.63	1.82	2.68	2.91	3.55	4.11		2.46	3.67		3.24	3.61	2.71	3.15	1.34	1.95	2.69
63.42	2.24	2.73		3.13	3.29		4.07	1.71	2.71	3.19	3.66	4.46		2.41	3.55		3.37	3.33	2.37	3.33	1.25	1.67	2.50
69.62	2.60	2.89		2.69	2.91		3.47	1.65	2.71	3.47	3.66	4.66		2.35	3.38		3.41	2.99	2.03	3.50	1.17	1.41	2.29
76.43	3.00	3.06		2.30	2.59		2.91	1.62	2.67	3.72	3.58	4.67		2.31	3.17		3.39	2.63	1.73	3.66	1.11	1.21	2.09
83.90	3.38	3.21		1.98	2.34		2.48	1.64	2.59	3.88	3.43	4.48		2.28	2.96		3.32	2.29	1.50	3.76	1.05	1.07	1.92
92.10	3.69	3.33		1.76	2.10		2.15	1.67	2.49	3.92	3.24	4.13		2.29	2.76		3.23	2.02	1.33	3.80	1.01	0.98	1.79
101.10	3.89	3.39		1.58	1.79		1.85	1.70	2.35	3.82	3.05	3.68		2.34	2.57		3.15	1.81	1.20	3.74	0.98	0.91	1.67
110.99	3.98	3.40		1.38	1.39		1.50	1.70	2.16	3.57	2.88	3.21		2.42	2.38		3.10	1.64	1.09	3.58	0.99	0.80	1.54
121.84	3.96	3.35		1.14	0.91		1.07	1.63	1.88	3.20	2.75	2.77		2.53	2.17		3.10	1.47	0.99	3.32	1.03	0.63	1.33
133.75	3.84	3.23		0.83	0.45		0.59	1.47	1.50	2.74	2.66	2.36		2.65	1.90		3.12	1.27	0.89	2.94	1.11	0.43	1.04
146.82	3.62	3.02		0.49	0.15		0.22	1.20	1.04	2.20	2.53	1.94		2.73	1.54		3.10	1.00	0.78	2.44	1.17	0.22	0.69
161.18	3.28	2.70		0.21	0.02		0.04	0.86	0.56	1.61	2.30	1.48		2.70	1.10		2.94	0.69	0.63	1.83	1.16	0.08	0.36
176.94	2.82	2.27		0.06	0.00		0.00	0.49	0.21	1.05	1.91	1.00		2.51	0.65		2.58	0.37	0.46	1.18	1.01	0.01	0.12
194.23	2.28	1.77		0.01	0.00		0.00	0.21	0.04	0.61	1.38	0.53		2.15	0.28		2.03	0.13	0.28	0.58	0.73	0.00	0.02
213.22	1.77	1.31		0.00	0.00		0.00	0.05	0.00	0.36	0.80	0.19		1.69	0.08		1.40	0.03	0.12	0.20	0.40	0.00	0.00
234.07	1.37	0.97		0.00	0.00		0.00	0.01	0.00	0.26	0.33	0.04		1.26	0.01		0.86	0.00	0.04	0.03	0.14	0.00	0.00
256.95	1.15	0.81		0.00	0.00		0.00	0.00	0.00	0.26	0.12	0.00		0.94	0.00		0.52	0.00	0.01	0.00	0.03	0.00	0.00
282.07	1.09	0.78		0.00	0.00		0.00	0.00	0.00	0.29	0.07	0.00		0.78	0.00		0.40	0.00	0.00	0.00	0.00	0.00	0.00
309.64	1.13	0.85		0.00	0.00		0.00	0.00	0.00	0.27	0.16	0.00		0.76	0.00		0.44	0.00	0.00	0.00	0.00	0.00	0.00
339.92	1.21	0.92		0.00	0.00		0.00	0.00	0.00	0.17	0.35	0.00		0.84	0.00		0.59	0.00	0.00	0.00	0.00	0.00	0.00
373.15	1.25	0.94		0.00	0.00		0.00	0.00	0.00	0.07	0.59	0.00		0.94	0.00		0.77	0.00	0.00	0.00	0.00	0.00	0.00
409.63	1.20	0.89		0.00	0.00		0.00	0.00	0.00	0.01	0.75	0.00		1.02	0.00		0.90	0.00	0.00	0.00	0.00	0.00	0.00
449.67	1.09	0.79		0.00	0.00		0.00	0.00	0.00	0.00	0.83	0.00		1.05	0.00		0.95	0.00	0.00	0.00	0.00	0.00	0.00
493.63	0.94	0.68		0.00	0.00		0.00	0.00	0.00	0.00	0.84	0.00		1.03	0.00		0.92	0.00	0.00	0.00	0.00	0.00	0.00
541.89	0.80	0.59		0.00	0.00		0.00	0.00	0.00	0.00	0.81	0.00		0.97	0.00		0.85	0.00	0.00	0.00	0.00	0.00	0.00
594.87	0.69	0.54		0.00	0.00		0.00	0.00	0.00	0.00	0.76	0.00		0.89	0.00		0.77	0.00	0.00	0.00	0.00	0.00	0.00
653.03	0.59	0.51		0.00	0.00		0.00	0.00	0.00	0.00	0.69	0.00		0.80	0.00		0.69	0.00	0.00	0.00	0.00	0.00	0.00
716.87	0.49	0.47		0.00	0.00		0.00	0.00	0.00	0.00	0.49	0.00		0.71	0.00		0.49	0.00	0.00	0.00	0.00	0.00	0.00
786.95	0.38	0.41		0.00	0.00		0.00	0.00	0.00	0.00	0.25	0.00		0.61	0.00		0.25	0.00	0.00	0.00	0.00	0.00	0.00
863.88	0.26	0.32		0.00	0.00		0.00	0.00	0.00	0.00	0.06	0.00		0.50	0.00		0.06	0.00	0.00	0.00	0.00	0.00	0.00
948.34	0.13	0.20		0.00	0.00		0.00	0.00	0.00	0.00	0.01	0.00		0.37	0.00		0.01	0.00	0.00	0.00	0.00	0.00	0.00
1041.05	0.04	0.10		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.22	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
1142.83	0.01	0.03		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.09	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
1254.55	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.02	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
1377.20	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
1511.84	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
1659.64	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
1821.89	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00																							

NEREIDA

2010061
Phase 2

STN (Nereida BC)	BC 231	BC 232	BC 234	BC 235	BC 236	BC 237	BC 238	BC 239	BC 240	BC 241	BC 242	BC 243	BC 244	BC 245	BC 246	BC 247	BC 248	BC 249	BC 250
STN (GSC)	001AA	003AA	004AA	006AA	007AA	008AA	010AA	011AA	012AA	013AA	014AA	016AA	017AA	019AA	020AA	021AA	023AA	024AA	025AA
Top (cm)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom (cm)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
T.C. (%)	**3.0**	**5.7**	**4.5**	**4.1**	**1.1**	**3.3**	**1.1**	**0.9**	**2.4**	**1.3**	**3.5**	**3.4**	**5.8**	**2.2**	**4.9**	**3.4**	**0.8**	**1.6**	**2.6**
T.C. (%) dup										**1.0**									
O.C. (%)	**2.0**	**0.8**	**0.6**	**1.0**	**0.4**	**1.7**	**0.3**	**0.3**	**0.9**	**0.3**	**1.3**	**0.8**	**0.8**	**0.8**	**0.6**	**1.1**	**0.2**	**0.4**	**0.7**
O.C. (%) dup										**0.3**									
I.C. (%) by diff.	**1.0**	**4.9**	**3.9**	**3.1**	**0.7**	**1.6**	**0.8**	**0.7**	**1.5**	**0.9**	**2.2**	**2.6**	**5.1**	**1.4**	**4.3**	**2.3**	**0.6**	**1.3**	**1.9**
%clay	**23.4**	**22.6**	**16.1**	**21.4**	**9.9**	**21.1**	**11.0**	**8.8**	**15.7**	**8.0**	**16.8**	**19.4**	**15.7**	**14.7**	**13.8**	**16.3**	**7.3**	**8.3**	**15.1**
%silt	**56.2**	**64.5**	**57.7**	**72.5**	**34.8**	**52.8**	**36.9**	**25.2**	**65.3**	**25.2**	**68.1**	**58.6**	**53.9**	**49.8**	**49.8**	**68.8**	**20.8**	**38.7**	**48.1**
%sand	**20.5**	**12.9**	**26.2**	**6.1**	**55.3**	**26.1**	**52.1**	**66.0**	**19.0**	**66.8**	**15.1**	**22.0**	**30.4**	**35.4**	**36.4**	**14.9**	**71.8**	**53.0**	**36.8**
%gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.38	0.10	0.12	0.08	0.10	0.04	0.09	0.04	0.03	0.06	0.03	0.07	0.09	0.07	0.06	0.07	0.07	0.03	0.03	0.07
0.41	0.18	0.22	0.13	0.17	0.07	0.17	0.08	0.05	0.11	0.05	0.13	0.16	0.13	0.11	0.12	0.13	0.04	0.05	0.12
0.45	0.26	0.32	0.20	0.25	0.10	0.24	0.11	0.08	0.16	0.08	0.18	0.24	0.19	0.16	0.17	0.19	0.07	0.08	0.18
0.50	0.37	0.45	0.28	0.36	0.14	0.35	0.16	0.11	0.23	0.11	0.26	0.34	0.27	0.23	0.25	0.27	0.09	0.11	0.25
0.54	0.46	0.55	0.34	0.44	0.17	0.43	0.20	0.14	0.29	0.14	0.32	0.42	0.34	0.29	0.30	0.33	0.12	0.14	0.31
0.60	0.54	0.64	0.40	0.52	0.20	0.50	0.23	0.17	0.34	0.16	0.38	0.50	0.39	0.34	0.35	0.38	0.14	0.17	0.36
0.66	0.61	0.71	0.44	0.58	0.23	0.56	0.26	0.19	0.38	0.18	0.43	0.56	0.44	0.38	0.40	0.43	0.16	0.19	0.41
0.72	0.67	0.78	0.49	0.64	0.25	0.62	0.29	0.21	0.42	0.20	0.47	0.62	0.48	0.42	0.43	0.48	0.18	0.21	0.45
0.79	0.72	0.83	0.52	0.69	0.27	0.67	0.32	0.23	0.45	0.22	0.51	0.66	0.51	0.45	0.46	0.51	0.20	0.23	0.49
0.87	0.76	0.86	0.54	0.73	0.29	0.70	0.34	0.25	0.48	0.23	0.53	0.70	0.53	0.48	0.48	0.54	0.21	0.24	0.51
0.95	0.79	0.87	0.55	0.75	0.30	0.73	0.35	0.27	0.49	0.24	0.55	0.72	0.55	0.50	0.50	0.55	0.22	0.25	0.53
1.05	0.81	0.87	0.56	0.77	0.31	0.75	0.36	0.28	0.51	0.26	0.57	0.74	0.55	0.51	0.50	0.57	0.24	0.26	0.55
1.15	0.84	0.87	0.57	0.79	0.32	0.77	0.37	0.30	0.53	0.27	0.58	0.76	0.56	0.53	0.51	0.58	0.25	0.27	0.56
1.26	0.86	0.86	0.57	0.80	0.34	0.78	0.39	0.31	0.54	0.28	0.59	0.77	0.56	0.54	0.51	0.58	0.26	0.28	0.57
1.38	0.88	0.86	0.57	0.82	0.35	0.80	0.40	0.33	0.56	0.29	0.60	0.78	0.57	0.56	0.51	0.59	0.28	0.29	0.58
1.52	0.91	0.85	0.58	0.83	0.37	0.82	0.42	0.35	0.58	0.31	0.62	0.79	0.57	0.57	0.52	0.61	0.29	0.31	0.59
1.67	0.95	0.86	0.60	0.86	0.39	0.85	0.44	0.37	0.61	0.32	0.65	0.80	0.59	0.60	0.53	0.63	0.31	0.33	0.61
1.83	1.00	0.88	0.64	0.90	0.42	0.89	0.47	0.40	0.65	0.35	0.68	0.83	0.62	0.63	0.56	0.66	0.33	0.35	0.64
2.01	1.07	0.92	0.68	0.95	0.46	0.95	0.50	0.43	0.70	0.38	0.73	0.87	0.67	0.67	0.59	0.71	0.36	0.38	0.68
2.21	1.15	0.98	0.74	1.01	0.50	1.02	0.55	0.46	0.77	0.41	0.80	0.91	0.72	0.72	0.63	0.76	0.39	0.42	0.72
2.42	1.25	1.06	0.82	1.10	0.55	1.11	0.60	0.50	0.85	0.45	0.88	0.97	0.80	0.78	0.69	0.84	0.42	0.46	0.78
2.66	1.36	1.17	0.91	1.20	0.62	1.21	0.66	0.55	0.95	0.50	0.98	1.04	0.89	0.85	0.76	0.93	0.46	0.51	0.85
2.92	1.49	1.29	1.02	1.31	0.68	1.32	0.73	0.60	1.06	0.55	1.10	1.12	0.99	0.94	0.85	1.04	0.50	0.57	0.93
3.21	1.63	1.43	1.14	1.45	0.76	1.45	0.81	0.65	1.19	0.61	1.23	1.22	1.11	1.03	0.94	1.17	0.55	0.64	1.02
3.52	1.78	1.58	1.28	1.59	0.84	1.58	0.89	0.71	1.33	0.66	1.38	1.32	1.23	1.13	1.04	1.31	0.59	0.71	1.12
3.86	1.93	1.73	1.41	1.74	0.93	1.72	0.98	0.77	1.49	0.73	1.55	1.43	1.36	1.23	1.14	1.47	0.64	0.79	1.23
4.24	2.07	1.88	1.55	1.90	1.01	1.86	1.07	0.82	1.65	0.79	1.72	1.53	1.50	1.33	1.25	1.64	0.69	0.88	1.34
4.66	2.21	2.01	1.69	2.06	1.10	2.00	1.16	0.88	1.82	0.85	1.91	1.64	1.62	1.44	1.35	1.82	0.73	0.96	1.45
5.11	2.33	2.12	1.82	2.22	1.18	2.13	1.24	0.93	1.99	0.91	2.10	1.75	1.73	1.54	1.44	2.01	0.77	1.05	1.55
5.61	2.44	2.21	1.93	2.36	1.26	2.24	1.33	0.98	2.16	0.96	2.29	1.85	1.83	1.63	1.52	2.19	0.81	1.14	1.66
6.16	2.53	2.25	2.02	2.50	1.34	2.33	1.40	1.02	2.32	1.01	2.48	1.94	1.91	1.72	1.59	2.38	0.85	1.23	1.75
6.76	2.59	2.26	2.09	2.62	1.40	2.41	1.47	1.05	2.48	1.05	2.67	2.02	1.96	1.79	1.64	2.56	0.88	1.31	1.84
7.42	2.63	2.22	2.13	2.72	1.46	2.46	1.52	1.08	2.62	1.09	2.85	2.09	1.98	1.86	1.67	2.73	0.90	1.39	1.91
8.15	2.64	2.14	2.14	2.80	1.50	2.49	1.57	1.10	2.75	1.12	3.01	2.15	1.97	1.91	1.68	2.88	0.92	1.47	1.97
8.94	2.62	2.02	2.11	2.86	1.54	2.48	1.60	1.11	2.85	1.13	3.15	2.19	1.93	1.94	1.66	3.02	0.93	1.53	2.01
9.82	2.57	1.87	2.06	2.89	1.55	2.45	1.61	1.11	2.93	1.13	3.26	2.22	1.86	1.95	1.63	3.14	0.93	1.59	2.04
10.78	2.48	1.69	1.97	2.90	1.55	2.39	1.60	1.09	2.98	1.12	3.35	2.24	1.76	1.95	1.57	3.22	0.92	1.63	2.04
11.83	2.36	1.53	1.86	2.89	1.53	2.30	1.58	1.06	2.99	1.09	3.39	2.25	1.64	1.92	1.50	3.26	0.90	1.66	2.01
12.99	2.23	1.41	1.75	2.87	1.49	2.19	1.54	1.03	2.97	1.05	3.39	2.25	1.53	1.88	1.44	3.28	0.87	1.68	1.98
14.26	2.12	1.38	1.66	2.85	1.45	2.09	1.49	0.99	2.92	1.01	3.36	2.27	1.45	1.84	1.40	3.25	0.83	1.68	1.93
15.65	2.02	1.44	1.60	2.85	1.40	2.01	1.44	0.95	2.85	0.96	3.30	2.30	1.42	1.80	1.40	3.20	0.79	1.67	1.88
17.18	1.94	1.60	1.59	2.87	1.35	1.94	1.39	0.90	2.76	0.92	3.19	2.35	1.44	1.77	1.43	3.12	0.76	1.65	1.84
18.86	1.87	1.81	1.62	2.89	1.30	1.88	1.33	0.86	2.65	0.87	3.05	2.38	1.50	1.74	1.48	3.01	0.72	1.62	1.79
20.71	1.80	2.02	1.68	2.90	1.24	1.79	1.27	0.82	2.52	0.83	2.87	2.39	1.59	1.70	1.56	2.86	0.68	1.58	1.72
22.73	1.71	2.22	1.75	2.87	1.17	1.68	1.20	0.77	2.37	0.79	2.64	2.36	1.68	1.64	1.63	2.68	0.64	1.53	1.65
24.95	1.60	2.39	1.82	2.80	1.09	1.56	1.12	0.72	2.21	0.75	2.39	2.30	1.79	1.59	1.71	2.47	0.60	1.46	1.56
27.39	1.50	2.56	1.90	2.69	1.02	1.43	1.05	0.68	2.04	0.70	2.13	2.22	1.90	1.54	1.79	2.26	0.56	1.39	1.47
30.07	1.42	2.75	2.00	2.57	0.96	1.32	1.00	0.63	1.89	0.66	1.87	2.12	2.02	1.50	1.89	2.05	0.53	1.31	1.40
33.01	1.36	2.94	2.12	2.43	0.91	1.22	0.97	0.61	1.74	0.62	1.63	2.03	2.14	1.49	2.01	1.87	0.50	1.24	1.34
36.24	1.31	3.11	2.26	2.30	0.87	1.15	0.95	0.60	1.63	0.60	1.42	1.93	2.26	1.51	2.13	1.69	0.49	1.16	1.30
39.78	1.27	3.20	2.40	2.16	0.85	1.08	0.95	0.61	1.53	0.59	1.22	1.83	2.35	1.55	2.24	1.53	0.49	1.09	1.28
43.67	1.23	3.18	2.51	1.99	0.82	1.03	0.95	0.64	1.46	0.60	1.05	1.71	2.38	1.63	2.31	1.38	0.50	1.02	1.28
47.94	1.17	3.03	2.58	1.80	0.81	0.99	0.98	0.68	1.42	0.63	0.91	1.57	2.36	1.74	2.33	1.22	0.52	0.96	1.30
52.63	1.10	2.78	2.59	1.59	0.81	0.97	1.03	0.72	1.38	0.67	0.79	1.43	2.27	1.88	2.30	1.08	0.55	0.92	1.35
57.77	1.03	2.47	2.55	1.37	0.82	0.96	1.12	0.75	1.36	0.72	0.70	1.30	2.15	2.06	2.24	0.95	0.58	0.93	1.44
63.42	0.98	2.17	2.46	1.17	0.86	0.97	1.28	0.80	1.34	0.76	0.65	1.19	2.02	2.27	2.15	0.85	0.64	1.00	1.58
69.62	0.96	1.91	2.37	1.02	0.93	0.99	1.52	0.91	1.33	0.82	0.63	1.10	1.89	2.48	2.06	0.79	0.75	1.16	1.78
76.43	0.95	1.73	2.27	0.91	1.02	1.00	1.82	1.14	1.33	0.91	0.65	1.05	1.78	2.67	1.99	0.76	0.96	1.43	2.02
83.90	0.94	1.60	2.19	0.84	1.12	0.98	2.18	1.54	1.33	1.09	0.69	1.01	1.69	2.80	1.92	0.76	1.32	1.79	2.28
92.10	0.92	1.50	2.14	0.75	1.23	0.94	2.56	2.19	1.32	1.40	0.73	0.98	1.60	2.85	1.86	0.76	1.89	2.23	2.52
101.10	0.87	1.36	2.10	0.62	1.35	0.90	2.93	3.09	1.29	1.89	0.74	0.95	1.52	2.79	1.81	0.75	2.65	2.70	2.70
110.99	0.81	1.14	2.09	0.45	1.47	0.85	3.29	4.19	1.23	2.54	0.74	0.91	1.43	2.65	1.76	0.74	3.56	3.16	2.78
121.84	0.75	0.84	2.08	0.24	1.61	0.83	3.61	5.36	1.14	3.30	0.71	0.88	1.35	2.44	1.72	0.71	4.51	3.55	2.76
133.75	0.71	0.47	2.06	0.09	1.77	0.83	3.87	6.35	1.03	4.05	0.68	0.86	1.28	2.19	1.69	0.68	5.34	3.82	2.63
146.82	0.68	0.19	1.96	0.02	1.92	0.83	4.02	6.93	0.90	4.61	0.64	0.86	1.21	1.90	1.64	0.64	5.85	3.92	2.40
161.18	0.64	0.04	1.72	0.00	2.02	0.81	3.96	6.90	0.73	4.81	0.59	0.85	1.11	1.56	1.55	0.60	5.93	3.82	2.07
176.94	0.59	0.00	1.33	0.00	2.05	0.78	3.65	6.18	0.54	4.60	0.53	0.82	0.98	1.17	1.41	0.54	5.53	3.51	1.68
194.23	0.54	0.00	0.86	0.00	1.99	0.77	3.10	4.92	0.35	4.01	0.48	0.79	0.84	0.78	1.27	0.48	4.76	3.06	1.28
213.22	0.52	0.00	0.42	0.00	1.86	0.81	2.40	3.41	0.22	3.26	0.45	0.79	0.76	0.47	1.17	0.45	3.81	2.55	0.95
234.07	0.57	0.00	0.13	0.00	1.71	0.94	1.71	2.01	0.18	2.55	0.49	0.84	0.76	0.32	1.16	0.48	2.91	2.08	0.73
256.95	0.70	0.00	0.02	0.00	1.60	1.17	1.19	1.03	0.22	2.05	0.58	0.95	0.88	0.31	1.23	0.56	2.23	1.72	0.64
282.07	0.90	0.00	0.00	0.00	1.55	1.45	0.87	0.54	0.36	1.82	0.72	1.08	1.09	0.43	1.34	0.67	1.82	1.48	0.64
309.64	1.12	0.00	0.00	0.00	1.57	1.70	0.75	0.41	0.55	1.82	0.84	1.17	1.30	0.61	1.43	0.75	1.64	1.34	0.69
339.92	1.26	0.00	0.00	0.00	1.62	1.84	0.74	0.52	0.71	1.93	0.87	1.16	1.42	0.77	1.41	0.76	1.63	1.25	0.71
373.15	1.28	0.00	0.00	0.00	1.68	1.80	0.80	0.76	0.77	2.04	0.81	1.03	1.39	0.83	1.26	0.67	1.68	1.18	0.67
409.63	1.16	0.00	0.00	0.00	1.72	1.58	0.85	1.01	0.72	2.06	0.65	0.81	1.21	0.76	1.02	0.51	1.71	1.08	0.58
449.67	0.94	0.00	0.00	0.00	1.74	1.25	0.86	1.15	0.60	1.95	0.47	0.56	0.95	0.62	0.78	0.34	1.68	0.98	0.47
493.63	0.69	0.00	0.00	0.00	1.73	0.88	0.84	1.15	0.43	1.76	0.30	0.36	0.69	0.48	0.60	0.20	1.58	0.87	0.39
541.89	0.46	0.00	0.00	0.00	1.71	0.55	0.79	1.04	0.25	1.55	0.18	0.23	0.47	0.36	0.49	0.12	1.44	0.77	0.35
594.87	0.28	0.00	0.00	0.00	1.67	0.32	0.73	0.86	0.10	1.39	0.12	0.17	0.31	0.28	0.45	0.09	1.30	0.68	0.35
653.03	0.16	0.00	0.00	0.00	1.63	0.18	0.64	0.67	0.02	1.30	0.08	0.16	0.20	0.23	0.42	0.08	1.16	0.58	0.34
716.87	0.07	0.00	0.00	0.00	1.57	0.10	0.51	0.47	0.00	1.25	0.05	0.16	0.13	0.18	0.37	0.08	1.02	0.48	0.32
786.95	0.02	0.00	0.00	0.00	1.49	0.04	0.36	0.29	0.00	1.20	0.03	0.15	0.06	0.13	0.27	0.06	0.87	0.37	0.25
863.88	0.00	0.00	0.00	0.00	1.40	0.01	0.19	0.14	0.00	1.11	0.01	0.10	0.02	0.07	0.14	0.03	0.69	0.25	0.14
948.34	0.00	0.00	0.00	0.00	1.30	0.00	0.07	0.05	0.00	0.96	0.00	0.04	0.00	0.03	0.05	0.01	0.49	0.13	0.05
1041.05	0.00	0.00	0.00	0.00	1.21	0.00	0.01	0.01	0.00	0.76	0.00	0.01	0.00	0.00	0.01	0.00	0.30	0.05	0.01
1142.83	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.01	0.00
1254.55	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
1377.20	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
1511.84	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1659.64	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1821.89	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00																			

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2010061
Phase 2

STN (Nereida BC)	BC 251	BC 252	BC 253	BC 254	BC 255	BC 256	BC 257	BC 258	BC 259	BC 260	BC 262	BC 264	BC 265	BC 266	BC 267	BC 268	BC 270	BC 271	BC 272	BC 274	BC 275
STN (GSC)	026AA	028AA	029AA	031AA	032AA	033AA	035AA	036AA	037AA	039AA	040AA	041AA	043AA	045AA	046AA	047AA	049AA	050AA	051AA	053AA	054AA
Top (cm)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom (cm)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
T.C. (%)	**3.5**	**4.8**	**3.5**	**1.0**	**1.0**	**0.9**	**1.8**	**1.1**	**3.2**	**2.7**	**3.0**	**2.7**	**1.5**	**0.6**	**2.1**	**1.2**	**0.6**	**1.0**	**2.2**	**0.8**	**1.4**
T.C. (%) dup	**3.6**										**3.0**										**1.3**
O.C. (%)	**0.9**	**0.9**	**1.3**	**0.5**	**0.5**	**0.3**	**0.7**	**0.3**	**0.9**	**0.7**	**1.0**	**0.9**	**0.7**	**0.2**	**0.4**	**0.4**	**0.2**	**0.3**	**0.5**	**0.4**	**0.6**
O.C. (%) dup	**0.7**										**1.0**										**0.5**
I.C. (%) by diff.	**2.7**	**3.9**	**2.2**	**0.4**	**0.5**	**0.6**	**1.1**	**0.8**	**2.4**	**2.0**	**2.0**	**1.8**	**0.8**	**0.4**	**1.7**	**0.8**	**0.4**	**0.7**	**1.7**	**0.4**	**0.8**
%clay	**21.8**	**17.5**	**14.4**	**8.9**	**8.8**	**5.0**	**14.2**	**8.5**	**16.2**	**18.4**	**15.6**	**13.2**	**7.9**	**6.2**	**12.1**	**11.0**	**8.5**		**15.2**	**6.4**	**8.3**
%silt	**62.4**	**57.7**	**71.8**	**31.6**	**32.3**	**15.6**	**49.0**	**33.8**	**64.9**	**54.6**	**51.8**	**62.2**	**36.9**	**20.5**	**40.9**	**56.4**	**25.3**		**35.9**	**26.0**	**36.0**
%sand	**15.8**	**24.7**	**13.8**	**59.5**	**58.9**	**79.4**	**36.8**	**57.7**	**18.9**	**27.0**	**32.5**	**24.6**	**55.1**	**73.3**	**47.0**	**32.7**	**66.2**		**48.9**	**67.6**	**55.7**
%gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %		Diff. Volume %	Diff. Volume %	Diff. Volume %
0.38	0.11	0.08	0.06	0.03	0.03	0.02	0.06	0.03	0.07	0.08	0.07	0.06	0.03	0.02	0.06	0.04	0.03		0.07	0.02	0.03
0.41	0.19	0.15	0.11	0.06	0.06	0.03	0.11	0.06	0.12	0.15	0.12	0.10	0.05	0.04	0.10	0.07	0.06		0.13	0.04	0.06
0.45	0.28	0.22	0.16	0.09	0.09	0.05	0.16	0.09	0.18	0.22	0.18	0.14	0.08	0.06	0.15	0.11	0.09		0.19	0.06	0.09
0.50	0.39	0.31	0.23	0.12	0.12	0.07	0.22	0.13	0.26	0.31	0.26	0.21	0.11	0.09	0.22	0.15	0.13		0.28	0.08	0.12
0.54	0.49	0.38	0.29	0.15	0.15	0.08	0.28	0.16	0.32	0.38	0.32	0.25	0.14	0.11	0.27	0.19	0.16		0.34	0.11	0.15
0.60	0.57	0.45	0.33	0.18	0.18	0.10	0.32	0.19	0.38	0.44	0.37	0.30	0.16	0.12	0.31	0.22	0.18		0.40	0.12	0.18
0.66	0.64	0.50	0.38	0.20	0.20	0.11	0.36	0.21	0.42	0.50	0.42	0.33	0.18	0.14	0.35	0.25	0.21		0.45	0.14	0.20
0.72	0.70	0.55	0.41	0.23	0.23	0.12	0.40	0.23	0.47	0.55	0.46	0.37	0.20	0.16	0.38	0.28	0.23		0.49	0.16	0.22
0.79	0.75	0.58	0.44	0.25	0.25	0.14	0.43	0.25	0.50	0.59	0.50	0.40	0.21	0.17	0.41	0.30	0.25		0.53	0.17	0.24
0.87	0.79	0.61	0.47	0.26	0.26	0.15	0.46	0.27	0.53	0.63	0.52	0.41	0.23	0.18	0.43	0.32	0.27		0.56	0.18	0.25
0.95	0.82	0.62	0.48	0.28	0.28	0.16	0.48	0.28	0.55	0.65	0.54	0.43	0.24	0.19	0.45	0.33	0.28		0.58	0.19	0.26
1.05	0.83	0.63	0.49	0.29	0.29	0.16	0.49	0.29	0.57	0.67	0.56	0.44	0.24	0.20	0.46	0.34	0.29		0.59	0.20	0.27
1.15	0.85	0.63	0.50	0.30	0.30	0.17	0.51	0.29	0.58	0.68	0.57	0.45	0.25	0.21	0.46	0.36	0.30		0.60	0.21	0.28
1.26	0.86	0.64	0.51	0.31	0.31	0.18	0.52	0.30	0.59	0.69	0.58	0.46	0.26	0.21	0.47	0.37	0.31		0.61	0.22	0.29
1.38	0.87	0.64	0.51	0.33	0.32	0.19	0.53	0.31	0.60	0.71	0.59	0.47	0.27	0.22	0.47	0.38	0.32		0.61	0.23	0.30
1.52	0.88	0.65	0.53	0.34	0.34	0.20	0.55	0.32	0.62	0.72	0.60	0.48	0.29	0.23	0.48	0.39	0.33		0.62	0.25	0.31
1.67	0.90	0.67	0.55	0.37	0.36	0.21	0.57	0.34	0.64	0.75	0.63	0.50	0.31	0.25	0.49	0.42	0.35		0.64	0.26	0.33
1.83	0.92	0.70	0.57	0.39	0.38	0.23	0.60	0.36	0.67	0.78	0.66	0.53	0.33	0.27	0.51	0.45	0.37	NO ANALYSIS	0.66	0.28	0.35
2.01	0.97	0.74	0.61	0.42	0.41	0.24	0.64	0.38	0.72	0.83	0.70	0.57	0.36	0.29	0.53	0.49	0.40		0.68	0.30	0.37
2.21	1.02	0.80	0.67	0.46	0.45	0.26	0.69	0.42	0.77	0.88	0.75	0.62	0.40	0.32	0.56	0.54	0.43		0.72	0.33	0.41
2.42	1.09	0.88	0.74	0.50	0.49	0.29	0.75	0.45	0.84	0.95	0.81	0.69	0.44	0.35	0.60	0.60	0.46		0.76	0.36	0.45
2.66	1.17	0.97	0.83	0.55	0.54	0.31	0.82	0.50	0.93	1.04	0.89	0.77	0.50	0.39	0.65	0.67	0.51		0.82	0.40	0.50
2.92	1.26	1.09	0.93	0.61	0.59	0.34	0.91	0.55	1.03	1.13	0.98	0.87	0.56	0.43	0.71	0.76	0.56		0.88	0.44	0.56
3.21	1.37	1.21	1.06	0.67	0.66	0.37	1.00	0.62	1.14	1.24	1.08	0.98	0.63	0.47	0.78	0.86	0.61		0.94	0.49	0.62
3.52	1.48	1.34	1.20	0.73	0.72	0.40	1.10	0.68	1.27	1.36	1.19	1.11	0.70	0.52	0.86	0.97	0.67		1.01	0.54	0.69
3.86	1.60	1.48	1.35	0.80	0.79	0.43	1.21	0.75	1.40	1.48	1.31	1.25	0.79	0.57	0.94	1.10	0.72		1.08	0.59	0.77
4.24	1.72	1.62	1.52	0.87	0.87	0.47	1.33	0.83	1.55	1.61	1.44	1.40	0.88	0.62	1.02	1.23	0.78		1.15	0.65	0.85
4.66	1.83	1.75	1.71	0.94	0.94	0.50	1.44	0.90	1.70	1.73	1.56	1.57	0.97	0.67	1.11	1.37	0.84		1.22	0.71	0.93
5.11	1.94	1.87	1.90	1.00	1.01	0.53	1.55	0.98	1.86	1.85	1.69	1.73	1.06	0.72	1.19	1.52	0.90		1.28	0.77	1.01
5.61	2.03	1.97	2.10	1.07	1.09	0.56	1.66	1.06	2.01	1.96	1.80	1.90	1.15	0.76	1.28	1.67	0.95		1.33	0.83	1.10
6.16	2.11	2.05	2.30	1.12	1.15	0.59	1.77	1.13	2.16	2.06	1.91	2.07	1.25	0.80	1.35	1.82	1.00		1.37	0.88	1.17
6.76	2.17	2.11	2.50	1.18	1.22	0.62	1.86	1.20	2.30	2.15	2.01	2.24	1.33	0.84	1.42	1.97	1.04		1.40	0.94	1.25
7.42	2.22	2.13	2.69	1.22	1.27	0.64	1.95	1.26	2.43	2.22	2.10	2.40	1.42	0.87	1.48	2.12	1.08		1.42	0.99	1.31
8.15	2.25	2.12	2.88	1.25	1.32	0.66	2.01	1.32	2.55	2.28	2.16	2.54	1.49	0.89	1.53	2.26	1.10		1.43	1.03	1.37
8.94	2.26	2.09	3.05	1.28	1.35	0.67	2.07	1.36	2.66	2.31	2.21	2.67	1.56	0.90	1.57	2.39	1.12		1.43	1.07	1.41
9.82	2.25	2.02	3.21	1.29	1.38	0.68	2.10	1.40	2.74	2.32	2.23	2.78	1.61	0.91	1.60	2.50	1.12		1.41	1.09	1.44
10.78	2.24	1.92	3.34	1.29	1.39	0.67	2.10	1.42	2.80	2.30	2.23	2.86	1.65	0.90	1.61	2.58	1.11		1.38	1.11	1.45
11.83	2.22	1.81	3.43	1.27	1.38	0.66	2.08	1.42	2.83	2.26	2.20	2.91	1.67	0.88	1.61	2.65	1.08		1.34	1.12	1.44
12.99	2.22	1.71	3.49	1.24	1.35	0.65	2.04	1.41	2.84	2.20	2.14	2.92	1.66	0.85	1.60	2.68	1.05		1.29	1.11	1.41
14.26	2.24	1.65	3.51	1.21	1.32	0.63	1.99	1.39	2.82	2.14	2.08	2.90	1.65	0.82	1.59	2.68	1.01		1.26	1.09	1.38
15.65	2.29	1.64	3.49	1.17	1.28	0.60	1.93	1.37	2.80	2.09	2.01	2.84	1.61	0.78	1.58	2.65	0.97		1.24	1.06	1.33
17.18	2.38	1.68	3.44	1.14	1.23	0.58	1.86	1.33	2.75	2.04	1.95	2.76	1.57	0.75	1.57	2.59	0.92		1.23	1.02	1.28
18.86	2.47	1.76	3.33	1.10	1.18	0.55	1.79	1.29	2.70	2.00	1.88	2.65	1.50	0.72	1.55	2.49	0.88		1.23	0.98	1.23
20.71	2.54	1.85	3.18	1.06	1.12	0.52	1.72	1.24	2.61	1.94	1.80	2.50	1.43	0.68	1.52	2.37	0.84		1.23	0.94	1.19
22.73	2.56	1.95	2.98	1.01	1.05	0.48	1.63	1.18	2.51	1.87	1.71	2.34	1.35	0.64	1.48	2.22	0.80		1.22	0.90	1.15
24.95	2.54	2.03	2.75	0.96	0.98	0.45	1.54	1.12	2.38	1.78	1.63	2.17	1.26	0.61	1.43	2.05	0.75		1.19	0.85	1.12
27.39	2.48	2.11	2.51	0.92	0.93	0.43	1.45	1.07	2.24	1.69	1.55	1.99	1.18	0.57	1.38	1.89	0.71		1.15	0.80	1.10
30.07	2.40	2.18	2.27	0.89	0.90	0.41	1.38	1.02	2.11	1.61	1.48	1.83	1.10	0.55	1.33	1.73	0.68		1.11	0.76	1.09
33.01	2.30	2.26	2.04	0.88	0.89	0.40	1.33	0.99	1.99	1.55	1.44	1.69	1.04	0.53	1.31	1.58	0.65		1.08	0.73	1.09
36.24	2.19	2.32	1.82	0.89	0.89	0.40	1.30	0.98	1.87	1.51	1.41	1.57	0.99	0.51	1.29	1.45	0.63		1.06	0.70	1.09
39.78	2.06	2.36	1.62	0.91	0.90	0.40	1.30	0.97	1.76	1.48	1.40	1.48	0.94	0.50	1.29	1.33	0.61		1.06	0.70	1.11
43.67	1.90	2.34	1.43	0.96	0.90	0.41	1.33	0.97	1.65	1.45	1.40	1.41	0.91	0.51	1.30	1.23	0.62		1.07	0.71	1.16
47.94	1.72	2.27	1.25	1.04	0.90	0.43	1.38	0.99	1.54	1.43	1.42	1.36	0.89	0.52	1.30	1.15	0.64		1.09	0.75	1.27
52.63	1.52	2.15	1.08	1.15	0.96	0.47	1.48	1.05	1.42	1.40	1.45	1.35	0.89	0.55	1.30	1.10	0.69		1.11	0.80	1.48
57.77	1.33	2.00	0.94	1.31	1.13	0.53	1.63	1.16	1.31	1.39	1.52	1.38	0.92	0.60	1.30	1.09	0.76		1.13	0.87	1.82
63.42	1.15	1.83	0.84	1.55	1.49	0.64	1.81	1.35	1.20	1.39	1.61	1.46	0.97	0.65	1.30	1.12	0.83		1.17	0.95	2.32
69.62	1.01	1.67	0.76	1.89	2.11	0.82	2.03	1.64	1.11	1.43	1.72	1.57	1.06	0.72	1.31	1.19	0.90		1.23	1.08	2.99
76.43	0.91	1.52	0.72	2.34	3.02	1.08	2.26	2.04	1.04	1.48	1.84	1.70	1.16	0.78	1.34	1.29	0.96		1.36	1.28	3.78
83.90	0.85	1.40	0.71	2.91	4.14	1.43	2.46	2.51	0.99	1.55	1.94	1.82	1.29	0.86	1.41	1.41	1.02		1.57	1.60	4.59
92.10	0.82	1.29	0.70	3.56	5.32	1.85	2.61	3.04	0.94	1.60	1.99	1.90	1.43	0.96	1.56	1.50	1.13		1.87	2.11	5.31
101.10	0.80	1.18	0.70	4.24	6.32	2.32	2.68	3.56	0.90	1.62	1.98	1.91	1.59	1.11	1.80	1.56	1.37		2.27	2.84	5.79
110.99	0.78	1.10	0.68	4.87	6.93	2.79	2.68	4.03	0.86	1.60	1.92	1.85	1.78	1.34	2.16	1.58	1.81		2.71	3.80	5.94
121.84	0.76	1.03	0.67	5.37	7.00	3.22	2.62	4.41	0.83	1.55	1.82	1.73	2.02	1.68	2.62	1.59	2.53		3.16	4.90	5.72
133.75	0.73	1.00	0.67	5.65	6.46	3.57	2.51	4.65	0.82	1.48	1.71	1.57	2.31	2.12	3.10	1.60	3.53		3.51	5.98	5.13
146.82	0.70	0.98	0.67	5.61	5.41	3.79	2.34	4.70	0.81	1.38	1.58	1.38	2.64	2.62	3.50	1.62	4.70		3.67	6.80	4.22
161.18	0.63	0.96	0.67	5.18	4.03	3.87	2.09	4.50	0.79	1.23	1.43	1.16	2.96	3.09	3.65	1.64	5.78		3.55	7.12	3.14
176.94	0.54	0.90	0.64	4.38	2.60	3.81	1.75	4.04	0.76	1.05	1.26	0.91	3.21	3.45	3.48	1.64	6.45		3.11	6.78	2.03
194.23	0.43	0.82	0.59	3.33	1.31	3.66	1.38	3.36	0.72	0.87	1.09	0.66	3.35	3.62	2.99	1.61	6.49		2.45	5.81	1.02
213.22	0.37	0.76	0.55	2.23	0.46	3.47	1.03	2.61	0.69	0.75	0.96	0.47	3.37	3.61	2.35	1.56	5.87		1.73	4.43	0.35
234.07	0.38	0.75	0.53	1.31	0.08	3.30	0.79	1.92	0.71	0.72	0.90	0.37	3.31	3.48	1.73	1.53	4.78		1.16	2.98	0.06
256.95	0.47	0.79	0.53	0.71	0.01	3.17	0.69	1.42	0.78	0.79	0.92	0.36	3.18	3.31	1.30	1.52	3.52		0.85	1.77	0.01
282.07	0.62	0.87	0.56	0.44	0.01	3.10	0.68	1.12	0.87	0.93	0.99	0.42	3.03	3.17	1.08	1.51	2.41		0.79	1.00	0.03
309.64	0.76	0.92	0.56	0.38	0.06	3.07	0.73	0.99	0.92	1.06	1.05	0.51	2.85	3.09	1.04	1.48	1.64		0.90	0.63	0.14
339.92	0.83	0.89	0.52	0.44	0.13	3.06	0.77	0.96	0.88	1.10	1.05	0.57	2.62	3.04	1.09	1.39	1.22		1.09	0.54	0.31
373.15	0.77	0.77	0.43	0.52	0.20	3.02	0.73	0.94	0.75	1.02	0.94	0.56	2.35	3.00	1.14	1.22	1.06		1.23	0.61	0.46
409.63	0.61	0.58	0.31	0.56	0.23	2.96	0.61	0.89	0.55	0.83	0.76	0.48	2.05	2.94	1.14	1.00	1.05		1.23	0.73	0.53
449.67	0.40	0.39	0.20	0.52	0.24	2.87	0.45	0.79	0.35	0.58	0.54	0.37	1.73	2.85	1.07	0.75	1.11		1.12	0.81	0.52
493.63	0.21	0.25	0.14	0.43	0.22	2.75	0.30	0.67	0.20	0.36	0.36	0.26	1.43	2.73	0.97	0.53	1.13		0.95	0.81	0.45
541.89	0.09	0.17	0.11	0.34	0.19	2.59	0.21	0.54	0.11	0.21	0.25	0.18	1.14	2.60	0.86	0.35	1.09		0.79	0.73	0.34
594.87	0.04	0.16	0.10	0.25	0.16	2.41	0.16	0.42	0.07	0.12	0.19	0.13	0.89	2.47	0.77	0.22	0.99		0.71	0.60	0.23
653.03	0.04	0.17	0.09	0.19	0.13	2.19	0.14	0.31	0.07	0.09	0.17	0.11	0.65	2.33	0.68	0.14	0.85		0.70	0.44	0.15
716.87	0.05	0.21	0.08	0.14	0.11	1.94	0.13	0.20	0.07	0.07	0.18	0.08	0.43	2.17	0.58	0.08	0.70		0.74	0.29	0.09
786.95	0.06	0.25	0.05	0.08	0.09	1.67	0.10	0.11	0.06	0.05	0.21	0.06	0.23	1.96	0.45	0.03	0.54		0.79	0.15	0.05
863.88	0.03	0.28	0.02	0.04	0.08	1.37	0.05	0.04	0.04	0.03	0.24	0.03	0.08	1.70	0.30	0.01	0.38		0.78	0.05	0.02
948.34	0.01	0.29	0.00	0.01	0.06	1.09	0.02	0.01	0.02	0.01	0.27	0.01	0.02	1.41	0.15	0.00	0.23		0.70	0.01	0.00
1041.05	0.00	0.27	0.00	0.00	0.04	0.83	0.00	0.00	0.00	0.00	0.29	0.00	0.00	1.13	0.05	0.00	0.10		0.53	0.00	0.00
1142.83	0.00	0.19	0.00	0.00	0.03	0.63	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.90	0.01	0.00	0.03		0.31	0.00	0.00
1254.55	0.00	0.10	0.00	0.00	0.04	0.46	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.73	0.00	0.00	0.00		0.12	0.00	0.00
1377.20	0.00	0.02	0.00	0.00	0.05	0.32	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.60	0.00	0.00	0.00		0.02	0.00	0.00
1511.84	0.00	0.00	0.00	0.00	0.06	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00		0.00	0.00	0.00
1659.64	0.00	0.00	0.00	0.00	0.06	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00		0.00	0.00	0.00
1821.89	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00		0.00	0.00	0.00
2000.00																					

NEREIDA

2010061
Phase 2

STN (Nereida BC)	BC 276	BC 277	BC 278	BC 279	BC 280	BC 281	BC 282	BC 283	BC 284	BC 285	BC 286	BC 287	BC 288	BC 289	BC 291	BC 292	BC 293	BC 294	BC 295	BC 296	BC 297
STN (GSC)	055AA	057AA	058AA	059AA	061AA	062AA	063AA	065AA	066AA	068AA	069AA	070AA	072AA	073AA	075AA	076AA	077AA	079AA	080AA	081AA	083AA
Top (cm)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom (cm)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
T.C. (%)	**0.9**	**0.9**	**2.9**	**2.1**	**2.4**	**2.7**	**1.7**	**1.8**	**3.2**	**2.5**	**2.3**	**0.5**	**1.4**	**0.5**	**0.6**	**1.4**	**2.7**	**2.3**	**1.9**	**0.4**	**1.8**
T.C. (%) dup										**2.5**										**0.4**	
O.C. (%)	**0.4**	**0.4**	**0.8**	**1.0**	**2.4**	**2.6**	**0.6**	**0.9**	**1.0**	**1.2**	**1.6**	**0.2**	**0.3**	**0.2**	**0.2**	**0.4**	**1.6**	**1.3**	**1.3**	**0.1**	**1.0**
O.C. (%) dup										**0.9**										**0.1**	
I.C. (%) by diff.	**0.5**	**0.6**	**2.1**	**1.0**	**<0.01**	**0.0**	**1.1**	**0.9**	**2.2**	**1.5**	**0.6**	**0.3**	**1.1**	**0.3**	**0.4**	**0.9**	**1.2**	**1.1**	**0.6**	**0.3**	**0.8**
%clay	**8.4**	**8.3**	**16.8**	**18.5**	**9.6**	**11.1**	**8.7**	**20.7**	**19.3**	**13.5**	**16.9**	**5.6**	**10.4**	**5.4**	**7.8**	**12.1**	**16.3**		**10.8**	**4.5**	**13.9**
%silt	**38.5**	**29.9**	**53.1**	**47.8**	**63.3**	**65.5**	**43.3**	**59.6**	**60.5**	**60.4**	**50.3**	**17.5**	**39.7**	**23.7**	**25.5**	**35.3**	**64.2**		**48.0**	**16.5**	**55.4**
%sand	**53.1**	**61.9**	**30.1**	**33.7**	**27.1**	**23.5**	**48.0**	**19.7**	**20.2**	**26.1**	**32.8**	**76.9**	**49.8**	**70.9**	**66.7**	**52.7**	**19.4**		**41.2**	**79.0**	**30.7**
%gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %		Diff. Volume %	Diff. Volume %	Diff. Volume %
0.38	0.03	0.03	0.07	0.08	0.04	0.04	0.03	0.08	0.09	0.06	0.06	0.02	0.04	0.02	0.03	0.05	0.06		0.04	0.02	0.05
0.41	0.06	0.06	0.13	0.14	0.06	0.07	0.06	0.14	0.15	0.10	0.11	0.04	0.08	0.03	0.05	0.09	0.11		0.07	0.03	0.09
0.45	0.08	0.08	0.19	0.21	0.09	0.11	0.09	0.20	0.22	0.15	0.16	0.06	0.12	0.05	0.07	0.13	0.16		0.10	0.04	0.13
0.50	0.12	0.12	0.28	0.29	0.13	0.15	0.12	0.29	0.32	0.21	0.23	0.08	0.17	0.07	0.10	0.19	0.23		0.15	0.06	0.19
0.54	0.15	0.15	0.34	0.36	0.16	0.19	0.15	0.36	0.40	0.26	0.29	0.10	0.21	0.09	0.12	0.23	0.29		0.18	0.07	0.23
0.60	0.17	0.17	0.40	0.43	0.19	0.22	0.18	0.42	0.46	0.30	0.34	0.12	0.24	0.11	0.15	0.27	0.34		0.22	0.09	0.27
0.66	0.19	0.19	0.45	0.48	0.21	0.25	0.20	0.48	0.52	0.34	0.38	0.13	0.27	0.12	0.17	0.30	0.38		0.25	0.10	0.31
0.72	0.21	0.22	0.50	0.53	0.24	0.27	0.23	0.53	0.58	0.38	0.43	0.15	0.30	0.13	0.19	0.34	0.42		0.27	0.11	0.34
0.79	0.23	0.23	0.54	0.57	0.25	0.29	0.24	0.58	0.62	0.40	0.46	0.16	0.32	0.15	0.21	0.36	0.46		0.30	0.12	0.37
0.87	0.24	0.25	0.56	0.61	0.27	0.31	0.26	0.61	0.65	0.42	0.49	0.17	0.34	0.16	0.22	0.38	0.48		0.32	0.13	0.39
0.95	0.25	0.26	0.59	0.63	0.28	0.32	0.27	0.64	0.68	0.44	0.51	0.18	0.35	0.17	0.23	0.40	0.51		0.33	0.14	0.41
1.05	0.26	0.27	0.60	0.65	0.29	0.33	0.28	0.67	0.70	0.45	0.53	0.19	0.36	0.17	0.25	0.41	0.53		0.35	0.15	0.43
1.15	0.27	0.29	0.61	0.67	0.30	0.34	0.29	0.70	0.72	0.46	0.56	0.20	0.36	0.18	0.26	0.43	0.54		0.36	0.15	0.44
1.26	0.28	0.30	0.63	0.69	0.31	0.36	0.29	0.72	0.73	0.47	0.58	0.20	0.37	0.19	0.28	0.44	0.56		0.37	0.16	0.46
1.38	0.29	0.31	0.64	0.71	0.32	0.37	0.30	0.75	0.75	0.48	0.60	0.21	0.38	0.20	0.29	0.45	0.58	NO ANALYSIS	0.39	0.17	0.48
1.52	0.31	0.32	0.65	0.73	0.33	0.39	0.32	0.79	0.76	0.50	0.64	0.22	0.39	0.21	0.31	0.47	0.61		0.41	0.18	0.51
1.67	0.32	0.34	0.68	0.76	0.36	0.41	0.34	0.84	0.79	0.52	0.68	0.23	0.41	0.22	0.33	0.49	0.64		0.43	0.19	0.54
1.83	0.35	0.36	0.71	0.80	0.39	0.44	0.36	0.90	0.83	0.55	0.73	0.25	0.43	0.24	0.35	0.52	0.69		0.46	0.20	0.59
2.01	0.38	0.39	0.75	0.85	0.42	0.48	0.39	0.97	0.87	0.59	0.79	0.27	0.46	0.26	0.38	0.56	0.75		0.50	0.22	0.64
2.21	0.42	0.42	0.80	0.91	0.47	0.54	0.43	1.05	0.93	0.64	0.87	0.29	0.50	0.28	0.41	0.60	0.81		0.55	0.24	0.70
2.42	0.46	0.46	0.87	0.99	0.53	0.61	0.47	1.16	1.00	0.71	0.96	0.31	0.55	0.31	0.45	0.65	0.90		0.60	0.26	0.78
2.66	0.52	0.50	0.95	1.08	0.60	0.69	0.53	1.27	1.09	0.79	1.06	0.34	0.61	0.34	0.49	0.71	1.00		0.67	0.28	0.87
2.92	0.58	0.55	1.04	1.17	0.69	0.79	0.60	1.40	1.19	0.88	1.17	0.37	0.67	0.37	0.54	0.78	1.11		0.74	0.31	0.98
3.21	0.65	0.60	1.15	1.28	0.79	0.90	0.67	1.55	1.30	0.99	1.30	0.41	0.75	0.41	0.59	0.85	1.24		0.82	0.34	1.10
3.52	0.73	0.66	1.26	1.39	0.90	1.02	0.75	1.70	1.42	1.11	1.43	0.45	0.84	0.46	0.65	0.93	1.38		0.91	0.37	1.23
3.86	0.81	0.73	1.38	1.51	1.02	1.17	0.84	1.86	1.55	1.25	1.56	0.49	0.93	0.50	0.70	1.02	1.53		1.01	0.41	1.37
4.24	0.90	0.79	1.50	1.63	1.16	1.32	0.93	2.02	1.69	1.39	1.70	0.53	1.03	0.55	0.76	1.10	1.69		1.11	0.44	1.51
4.66	0.99	0.85	1.63	1.74	1.31	1.48	1.03	2.18	1.82	1.54	1.83	0.57	1.13	0.61	0.82	1.19	1.85		1.22	0.48	1.66
5.11	1.09	0.92	1.75	1.85	1.47	1.66	1.13	2.34	1.95	1.69	1.95	0.60	1.22	0.66	0.87	1.27	2.02		1.32	0.52	1.81
5.61	1.18	0.98	1.87	1.94	1.63	1.83	1.23	2.48	2.08	1.85	2.07	0.64	1.32	0.71	0.93	1.34	2.18		1.43	0.55	1.96
6.16	1.27	1.04	1.97	2.02	1.79	2.01	1.33	2.61	2.19	2.00	2.17	0.67	1.41	0.76	0.97	1.41	2.33		1.54	0.58	2.10
6.76	1.36	1.09	2.07	2.09	1.96	2.20	1.42	2.73	2.30	2.16	2.25	0.70	1.50	0.81	1.02	1.47	2.48		1.64	0.61	2.23
7.42	1.45	1.14	2.15	2.14	2.13	2.37	1.51	2.82	2.39	2.30	2.32	0.73	1.58	0.86	1.06	1.52	2.62		1.73	0.64	2.35
8.15	1.52	1.18	2.21	2.17	2.30	2.54	1.60	2.89	2.47	2.44	2.36	0.74	1.64	0.91	1.09	1.55	2.74		1.82	0.67	2.45
8.94	1.59	1.21	2.25	2.18	2.46	2.70	1.67	2.92	2.52	2.56	2.38	0.76	1.70	0.95	1.11	1.57	2.85		1.90	0.69	2.53
9.82	1.64	1.23	2.27	2.15	2.60	2.84	1.73	2.92	2.55	2.66	2.37	0.76	1.73	0.98	1.12	1.58	2.93		1.96	0.70	2.59
10.78	1.68	1.24	2.25	2.10	2.73	2.96	1.78	2.88	2.56	2.75	2.32	0.76	1.75	1.00	1.11	1.56	2.98		2.01	0.71	2.61
11.83	1.70	1.23	2.21	2.03	2.84	3.04	1.80	2.79	2.54	2.80	2.24	0.74	1.75	1.01	1.10	1.53	2.99		2.03	0.71	2.59
12.99	1.70	1.21	2.15	1.93	2.92	3.09	1.81	2.67	2.50	2.83	2.14	0.72	1.73	1.02	1.07	1.48	2.98		2.04	0.71	2.55
14.26	1.68	1.18	2.08	1.83	2.97	3.09	1.81	2.53	2.46	2.84	2.03	0.70	1.71	1.01	1.04	1.43	2.94		2.03	0.70	2.47
15.65	1.66	1.14	2.01	1.75	2.98	3.06	1.78	2.38	2.41	2.82	1.92	0.67	1.67	0.99	0.99	1.38	2.88		2.00	0.68	2.37
17.18	1.62	1.10	1.95	1.67	2.96	2.99	1.75	2.23	2.38	2.77	1.82	0.64	1.63	0.96	0.95	1.33	2.80		1.96	0.66	2.25
18.86	1.57	1.06	1.89	1.61	2.90	2.88	1.70	2.09	2.35	2.70	1.72	0.60	1.58	0.93	0.90	1.28	2.69		1.90	0.63	2.13
20.71	1.51	1.02	1.84	1.55	2.81	2.74	1.65	1.95	2.31	2.59	1.62	0.57	1.52	0.88	0.85	1.22	2.56		1.83	0.60	2.00
22.73	1.44	0.99	1.77	1.48	2.68	2.57	1.58	1.80	2.25	2.44	1.51	0.54	1.44	0.84	0.80	1.15	2.40		1.74	0.56	1.87
24.95	1.36	0.95	1.71	1.40	2.53	2.40	1.51	1.65	2.16	2.27	1.40	0.50	1.35	0.79	0.74	1.07	2.22		1.65	0.52	1.74
27.39	1.28	0.92	1.64	1.32	2.36	2.22	1.44	1.50	2.06	2.08	1.30	0.47	1.26	0.74	0.69	0.99	2.04		1.56	0.48	1.61
30.07	1.20	0.89	1.58	1.24	2.20	2.06	1.38	1.37	1.94	1.90	1.21	0.45	1.17	0.70	0.65	0.93	1.85		1.48	0.45	1.48
33.01	1.13	0.87	1.54	1.19	2.04	1.91	1.34	1.26	1.83	1.72	1.14	0.44	1.09	0.68	0.62	0.88	1.68		1.43	0.43	1.36
36.24	1.06	0.86	1.51	1.16	1.89	1.79	1.33	1.20	1.73	1.55	1.10	0.44	1.03	0.66	0.62	0.84	1.53		1.40	0.42	1.26
39.78	1.01	0.86	1.49	1.15	1.76	1.69	1.33	1.16	1.63	1.40	1.08	0.45	0.99	0.66	0.63	0.82	1.39		1.39	0.43	1.19
43.67	0.98	0.88	1.48	1.14	1.63	1.60	1.35	1.13	1.53	1.26	1.07	0.47	0.96	0.68	0.67	0.82	1.28		1.40	0.43	1.15
47.94	0.97	0.93	1.47	1.13	1.52	1.53	1.39	1.10	1.42	1.14	1.07	0.50	0.95	0.72	0.72	0.83	1.18		1.42	0.45	1.15
52.63	0.99	1.01	1.44	1.10	1.41	1.46	1.45	1.05	1.30	1.04	1.09	0.54	0.94	0.77	0.78	0.85	1.10		1.47	0.48	1.18
57.77	1.03	1.12	1.42	1.06	1.34	1.41	1.53	0.99	1.17	0.96	1.13	0.59	0.95	0.82	0.84	0.88	1.05		1.56	0.52	1.24
63.42	1.08	1.25	1.42	1.05	1.30	1.38	1.65	0.93	1.06	0.92	1.20	0.67	0.97	0.90	0.92	0.93	1.03		1.69	0.58	1.32
69.62	1.16	1.39	1.44	1.09	1.33	1.40	1.83	0.91	0.98	0.92	1.29	0.77	1.04	1.00	1.04	1.01	1.03		1.88	0.67	1.40
76.43	1.28	1.53	1.49	1.20	1.41	1.44	2.06	0.95	0.94	0.95	1.42	0.90	1.18	1.18	1.27	1.12	1.06		2.12	0.80	1.49
83.90	1.44	1.70	1.56	1.37	1.56	1.51	2.36	1.04	0.94	1.01	1.55	1.07	1.44	1.47	1.67	1.28	1.10		2.40	0.98	1.60
92.10	1.68	1.91	1.62	1.60	1.72	1.55	2.69	1.15	0.95	1.09	1.68	1.26	1.83	1.93	2.31	1.51	1.13		2.68	1.22	1.73
101.10	2.03	2.23	1.65	1.83	1.88	1.55	3.03	1.24	0.95	1.18	1.79	1.50	2.37	2.59	3.21	1.80	1.13		2.92	1.54	1.87
110.99	2.52	2.71	1.63	2.04	1.99	1.49	3.34	1.27	0.91	1.26	1.88	1.76	3.03	3.46	4.33	2.16	1.10		3.08	1.96	2.00
121.84	3.14	3.39	1.56	2.19	2.04	1.37	3.59	1.23	0.85	1.33	1.94	2.06	3.72	4.48	5.54	2.58	1.04		3.14	2.47	2.08
133.75	3.84	4.26	1.47	2.28	2.02	1.23	3.74	1.10	0.78	1.37	1.96	2.39	4.32	5.51	6.60	3.01	0.96		3.07	3.03	2.06
146.82	4.51	5.17	1.35	2.27	1.92	1.07	3.75	0.93	0.70	1.36	1.93	2.72	4.67	6.36	7.25	3.37	0.86		2.85	3.60	1.91
161.18	4.95	5.89	1.20	2.12	1.70	0.89	3.56	0.76	0.61	1.28	1.79	3.03	4.63	6.83	7.24	3.56	0.72		2.46	4.09	1.63
176.94	5.01	6.13	1.00	1.83	1.37	0.70	3.13	0.67	0.52	1.11	1.55	3.29	4.16	6.76	6.52	3.52	0.55		1.93	4.45	1.26
194.23	4.62	5.75	0.79	1.44	0.97	0.50	2.53	0.72	0.44	0.91	1.25	3.50	3.33	6.13	5.19	3.25	0.37		1.35	4.63	0.90
213.22	3.86	4.81	0.61	1.06	0.61	0.36	1.87	0.91	0.42	0.72	0.97	3.65	2.37	5.09	3.57	2.84	0.26		0.87	4.63	0.64
234.07	2.93	3.55	0.53	0.80	0.37	0.32	1.30	1.18	0.46	0.61	0.80	3.74	1.53	3.85	2.04	2.41	0.23		0.58	4.50	0.54
256.95	2.06	2.32	0.57	0.72	0.28	0.38	0.92	1.38	0.61	0.60	0.77	3.77	0.98	2.69	0.93	2.07	0.31		0.49	4.30	0.59
282.07	1.40	1.41	0.71	0.81	0.32	0.54	0.74	1.36	0.83	0.68	0.86	3.75	0.73	1.79	0.38	1.86	0.48		0.58	4.06	0.76
309.64	0.99	0.90	0.90	1.01	0.44	0.76	0.70	1.08	1.07	0.82	1.02	3.68	0.71	1.21	0.23	1.77	0.70		0.79	3.80	0.98
339.92	0.78	0.70	1.05	1.21	0.58	0.92	0.73	0.62	1.25	0.94	1.15	3.55	0.82	0.91	0.31	1.73	0.88		1.02	3.55	1.15
373.15	0.70	0.70	1.10	1.29	0.66	0.97	0.76	0.23	1.31	1.00	1.17	3.38	0.95	0.82	0.53	1.67	0.95		1.16	3.29	1.18
409.63	0.66	0.77	1.02	1.21	0.64	0.89	0.74	0.04	1.22	0.97	1.06	3.19	1.01	0.84	0.79	1.53	0.89		1.15	3.03	1.07
449.67	0.63	0.83	0.87	1.01	0.55	0.73	0.66	0.00	1.02	0.87	0.86	3.00	0.95	0.88	0.93	1.32	0.74		1.00	2.77	0.86
493.63	0.56	0.80	0.71	0.76	0.43	0.54	0.56	0.00	0.75	0.75	0.64	2.80	0.81	0.90	0.94	1.08	0.55		0.79	2.52	0.61
541.89	0.47	0.69	0.58	0.53	0.31	0.37	0.46	0.00	0.43	0.63	0.45	2.62	0.65	0.86	0.83	0.86	0.38		0.55	2.27	0.39
594.87	0.36	0.51	0.50	0.37	0.23	0.24	0.39	0.00	0.18	0.53	0.33	2.43	0.50	0.76	0.68	0.70	0.25		0.35	2.05	0.24
653.03	0.24	0.33	0.45	0.26	0.17	0.16	0.32	0.00	0.04	0.46	0.28	2.23	0.38	0.63	0.52	0.62	0.18		0.19	1.84	0.16
716.87	0.13	0.16	0.43	0.18	0.12	0.11	0.26	0.00	0.00	0.40	0.26	2.02	0.29	0.48	0.38	0.61	0.14		0.09	1.63	0.12
786.95	0.05	0.06	0.43	0.11	0.08	0.06	0.19	0.00	0.00	0.35	0.25	1.77	0.22	0.33	0.26	0.62	0.13		0.03	1.41	0.09
863.88	0.01	0.01	0.43	0.05	0.04	0.03	0.11	0.00	0.00	0.31	0.23	1.51	0.14	0.18	0.16	0.61	0.11		0.00	1.17	0.05
948.34	0.00	0.00	0.44	0.01	0.01	0.01	0.04	0.00	0.00	0.28	0.19	1.25	0.07	0.07	0.08	0.54	0.09		0.00	0.91	0.01
1041.05	0.00	0.00	0.35	0.00	0.00	0.00	0.01	0.00	0.00	0.24	0.13	1.01	0.02	0.01	0.03	0.41	0.05		0.00	0.65	0.00
1142.83	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.07	0.81	0.00	0.00	0.00	0.23	0.02		0.00	0.38	0.00
1254.55	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.03	0.65	0.00	0.00	0.00	0.09	0.00		0.00	0.17	0.00
1377.20	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.49	0.00	0.00	0.00	0.02	0.00		0.00	0.04	0.00
1511.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00		0.00	0.01	0.00
1659.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
1821.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
2000.00																					

NEREIDA

2010061
Phase 3

STN (Nereida BC)	BC 298	BC 299	BC 300	BC 301	BC 302	BC 303	BC 304	BC 305	BC 306	BC 307	BC 308	BC 309	BC 310	BC 311	BC 312	BC 313	BC 314	BC 315	BC 316	BC 317	BC 318
STN (GSC)	001AA	003AA	004AA	006AA	007AA	008AA	009AA	011AA	012AA	013AA	014AA	016AA	018AA	019AA	020AA	021AA	022AA	023AA	024AA	025AA	027AA
Top (cm)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom (cm)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
T.C. (%)	**0.3**	**2.1**	**2.7**	**2.3**	**2.8**	**2.9**	**1.4**	**2.6**	**1.5**	**2.6**	**0.8**	**0.8**	**1.1**	**1.2**	**1.5**	**1.3**	**2.7**	**1.9**	**2.8**	**1.3**	**0.7**
T.C. (%) dup										**2.6**										**1.4**	
O.C. (%)	**0.2**	**1.1**	**2.0**	**1.2**	**1.6**	**1.5**	**0.7**	**1.5**	**0.6**	**1.6**	**0.5**	**0.3**	**0.7**	**0.7**	**0.9**	**0.8**	**2.7**	**1.2**	**2.1**	**1.3**	**0.7**
O.C. (%) dup										**1.7**										**1.1**	
I.C. (%) by diff.	**0.2**	**0.9**	**0.7**	**1.1**	**1.2**	**1.4**	**0.7**	**1.1**	**0.9**	**0.9**	**0.4**	**0.5**	**0.4**	**0.5**	**0.6**	**0.6**	**<0.01**	**0.7**	**0.7**	**0.2**	**0.1**
%sortablesilt	9.2	38.7	35.4	33.5	35.9	38.8	29.5	40.3	33.4	37.5	19.9	19.3	23.6	27.9	31.4	32.1	33.6	27.5	39.5	28.2	14.9
%clay	**3.7**	**11.3**	**13.7**	**19.0**	**22.4**	**21.5**	**12.5**	**12.9**	**10.9**	**22.1**	**8.6**	**8.8**	**10.8**	**13.9**	**14.5**	**14.6**	**21.4**	**14.6**	**19.2**	**14.0**	**7.7**
%silt	**13.9**	**56.1**	**55.1**	**55.7**	**60.9**	**65.3**	**45.2**	**59.2**	**50.0**	**62.8**	**31.2**	**29.9**	**36.8**	**44.7**	**49.7**	**50.2**	**56.5**	**44.2**	**61.5**	**43.7**	**24.3**
%sand	**82.3**	**32.6**	**31.2**	**25.3**	**16.7**	**13.2**	**42.3**	**27.8**	**39.1**	**15.1**	**60.2**	**61.3**	**52.4**	**41.4**	**35.8**	**35.1**	**22.2**	**41.2**	**19.2**	**42.3**	**68.0**
%gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.38	0.01	0.04	0.05	0.07	0.09	0.09	0.05	0.04	0.04	0.08	0.03	0.03	0.04	0.05	0.06	0.06	0.08	0.06	0.08	0.06	0.03
0.41	0.02	0.08	0.08	0.13	0.15	0.15	0.09	0.08	0.07	0.15	0.05	0.05	0.07	0.10	0.10	0.10	0.15	0.11	0.14	0.10	0.05
0.45	0.03	0.11	0.12	0.19	0.22	0.22	0.13	0.12	0.10	0.22	0.08	0.08	0.11	0.14	0.15	0.15	0.22	0.16	0.21	0.15	0.07
0.50	0.05	0.16	0.17	0.27	0.32	0.32	0.18	0.16	0.15	0.31	0.11	0.11	0.16	0.20	0.22	0.22	0.31	0.23	0.30	0.21	0.10
0.54	0.06	0.20	0.22	0.33	0.39	0.40	0.22	0.20	0.18	0.39	0.13	0.14	0.19	0.25	0.27	0.27	0.38	0.28	0.37	0.27	0.13
0.60	0.07	0.24	0.25	0.39	0.46	0.46	0.26	0.24	0.21	0.45	0.16	0.17	0.23	0.29	0.31	0.31	0.45	0.33	0.43	0.31	0.15
0.66	0.08	0.27	0.29	0.44	0.52	0.52	0.29	0.27	0.24	0.51	0.18	0.19	0.26	0.33	0.35	0.35	0.51	0.37	0.49	0.35	0.17
0.72	0.09	0.30	0.32	0.49	0.58	0.58	0.32	0.30	0.27	0.57	0.20	0.22	0.28	0.37	0.39	0.39	0.56	0.41	0.54	0.39	0.19
0.79	0.10	0.32	0.35	0.53	0.63	0.63	0.35	0.33	0.29	0.62	0.22	0.24	0.31	0.40	0.42	0.43	0.61	0.45	0.58	0.42	0.21
0.87	0.11	0.34	0.37	0.56	0.67	0.66	0.37	0.35	0.31	0.66	0.24	0.25	0.33	0.42	0.45	0.45	0.65	0.47	0.62	0.45	0.22
0.95	0.12	0.35	0.39	0.59	0.71	0.69	0.39	0.37	0.32	0.69	0.25	0.27	0.34	0.44	0.47	0.47	0.69	0.49	0.64	0.47	0.23
1.05	0.12	0.37	0.41	0.62	0.74	0.71	0.40	0.39	0.34	0.72	0.27	0.28	0.36	0.46	0.48	0.49	0.72	0.51	0.67	0.49	0.25
1.15	0.13	0.38	0.43	0.64	0.77	0.74	0.42	0.41	0.35	0.75	0.28	0.30	0.37	0.47	0.50	0.51	0.75	0.52	0.69	0.50	0.26
1.26	0.14	0.39	0.46	0.67	0.80	0.76	0.43	0.43	0.37	0.79	0.30	0.31	0.38	0.49	0.52	0.52	0.78	0.53	0.71	0.52	0.27
1.38	0.14	0.40	0.48	0.70	0.84	0.79	0.45	0.46	0.38	0.82	0.31	0.33	0.40	0.51	0.53	0.54	0.81	0.55	0.73	0.53	0.28
1.52	0.15	0.42	0.51	0.73	0.88	0.82	0.47	0.49	0.40	0.86	0.33	0.35	0.42	0.53	0.55	0.56	0.85	0.57	0.75	0.55	0.30
1.67	0.16	0.44	0.55	0.78	0.93	0.86	0.50	0.52	0.43	0.91	0.35	0.37	0.44	0.56	0.58	0.59	0.89	0.59	0.79	0.58	0.32
1.83	0.17	0.47	0.59	0.84	1.00	0.92	0.54	0.56	0.46	0.98	0.38	0.40	0.47	0.60	0.62	0.63	0.95	0.63	0.83	0.61	0.34
2.01	0.18	0.51	0.65	0.90	1.07	0.99	0.58	0.61	0.50	1.05	0.42	0.43	0.50	0.65	0.66	0.67	1.02	0.67	0.89	0.65	0.37
2.21	0.20	0.56	0.71	0.98	1.16	1.07	0.63	0.68	0.55	1.14	0.45	0.47	0.55	0.70	0.72	0.73	1.10	0.72	0.96	0.70	0.40
2.42	0.21	0.62	0.79	1.07	1.26	1.18	0.70	0.75	0.61	1.25	0.50	0.51	0.60	0.77	0.79	0.80	1.19	0.78	1.04	0.76	0.44
2.66	0.23	0.69	0.88	1.18	1.38	1.29	0.77	0.83	0.68	1.36	0.55	0.55	0.66	0.85	0.87	0.88	1.30	0.85	1.13	0.82	0.48
2.92	0.25	0.77	0.98	1.29	1.50	1.43	0.85	0.92	0.76	1.49	0.61	0.61	0.72	0.93	0.96	0.97	1.42	0.94	1.24	0.90	0.53
3.21	0.27	0.86	1.09	1.42	1.63	1.58	0.94	1.02	0.85	1.63	0.67	0.66	0.79	1.03	1.06	1.07	1.54	1.03	1.35	0.98	0.58
3.52	0.30	0.96	1.20	1.54	1.77	1.73	1.04	1.13	0.95	1.78	0.73	0.72	0.87	1.12	1.16	1.17	1.67	1.12	1.48	1.06	0.63
3.86	0.33	1.07	1.32	1.68	1.92	1.90	1.14	1.25	1.05	1.93	0.80	0.78	0.95	1.23	1.28	1.28	1.80	1.22	1.61	1.15	0.69
4.24	0.35	1.19	1.45	1.81	2.06	2.06	1.24	1.37	1.16	2.08	0.87	0.84	1.03	1.33	1.39	1.40	1.92	1.33	1.74	1.24	0.74
4.66	0.38	1.31	1.58	1.93	2.19	2.23	1.34	1.49	1.28	2.22	0.94	0.90	1.11	1.43	1.51	1.51	2.04	1.43	1.86	1.33	0.80
5.11	0.41	1.44	1.71	2.05	2.31	2.39	1.43	1.62	1.40	2.35	1.00	0.96	1.19	1.53	1.62	1.62	2.15	1.52	1.99	1.41	0.85
5.61	0.44	1.57	1.83	2.15	2.43	2.53	1.52	1.74	1.51	2.47	1.07	1.02	1.26	1.62	1.73	1.72	2.25	1.61	2.10	1.49	0.90
6.16	0.46	1.70	1.95	2.24	2.53	2.67	1.59	1.86	1.63	2.57	1.13	1.07	1.33	1.70	1.83	1.81	2.33	1.69	2.21	1.56	0.94
6.76	0.49	1.82	2.07	2.32	2.61	2.78	1.66	1.98	1.73	2.66	1.18	1.11	1.38	1.76	1.92	1.90	2.39	1.75	2.30	1.61	0.98
7.42	0.52	1.94	2.17	2.38	2.67	2.87	1.71	2.08	1.84	2.72	1.23	1.15	1.43	1.82	2.00	1.97	2.44	1.81	2.37	1.66	1.02
8.15	0.54	2.06	2.26	2.42	2.71	2.94	1.75	2.18	1.93	2.76	1.27	1.18	1.47	1.86	2.06	2.03	2.46	1.85	2.43	1.70	1.04
8.94	0.56	2.16	2.33	2.44	2.73	2.99	1.77	2.27	2.01	2.77	1.30	1.20	1.49	1.88	2.10	2.07	2.45	1.87	2.47	1.72	1.06
9.82	0.57	2.25	2.39	2.43	2.73	2.99	1.77	2.35	2.08	2.75	1.31	1.21	1.50	1.89	2.13	2.09	2.42	1.87	2.50	1.72	1.06
10.78	0.58	2.32	2.42	2.40	2.69	2.97	1.75	2.41	2.13	2.71	1.32	1.21	1.49	1.87	2.13	2.08	2.36	1.85	2.50	1.71	1.06
11.83	0.59	2.38	2.42	2.34	2.63	2.91	1.71	2.45	2.15	2.63	1.31	1.19	1.47	1.83	2.11	2.06	2.28	1.81	2.48	1.68	1.04
12.99	0.59	2.41	2.41	2.27	2.55	2.82	1.66	2.48	2.16	2.53	1.29	1.17	1.43	1.78	2.07	2.02	2.18	1.76	2.45	1.65	1.01
14.26	0.58	2.43	2.37	2.19	2.47	2.72	1.60	2.49	2.15	2.44	1.25	1.13	1.39	1.72	2.01	1.98	2.09	1.71	2.42	1.61	0.97
15.65	0.57	2.44	2.32	2.12	2.39	2.62	1.55	2.49	2.12	2.34	1.22	1.09	1.34	1.66	1.96	1.93	2.01	1.66	2.40	1.57	0.94
17.18	0.55	2.43	2.26	2.06	2.32	2.52	1.50	2.48	2.07	2.26	1.18	1.06	1.30	1.61	1.91	1.89	1.94	1.62	2.39	1.53	0.90
18.86	0.53	2.41	2.19	1.98	2.24	2.42	1.46	2.45	2.01	2.17	1.13	1.02	1.26	1.55	1.85	1.84	1.89	1.58	2.38	1.49	0.85
20.71	0.51	2.37	2.10	1.88	2.15	2.31	1.43	2.40	1.93	2.07	1.08	0.97	1.21	1.49	1.79	1.79	1.82	1.53	2.35	1.44	0.81
22.73	0.49	2.31	2.00	1.76	2.03	2.17	1.39	2.33	1.84	1.96	1.03	0.93	1.16	1.41	1.71	1.72	1.75	1.47	2.30	1.38	0.76
24.95	0.46	2.22	1.88	1.62	1.88	2.02	1.36	2.24	1.73	1.84	0.97	0.89	1.10	1.34	1.62	1.64	1.68	1.40	2.21	1.32	0.71
27.39	0.44	2.11	1.76	1.50	1.73	1.87	1.34	2.13	1.63	1.73	0.92	0.86	1.06	1.27	1.54	1.57	1.60	1.33	2.11	1.26	0.66
30.07	0.42	1.98	1.64	1.42	1.60	1.73	1.34	2.02	1.53	1.64	0.88	0.84	1.03	1.21	1.47	1.51	1.54	1.27	2.01	1.23	0.63
33.01	0.40	1.85	1.54	1.37	1.49	1.61	1.37	1.92	1.46	1.59	0.85	0.84	1.02	1.19	1.40	1.46	1.50	1.23	1.91	1.21	0.60
36.24	0.40	1.72	1.46	1.37	1.40	1.52	1.41	1.83	1.41	1.56	0.84	0.85	1.04	1.18	1.36	1.44	1.48	1.20	1.82	1.22	0.59
39.78	0.39	1.60	1.40	1.39	1.34	1.44	1.48	1.75	1.37	1.56	0.85	0.87	1.07	1.20	1.33	1.42	1.48	1.19	1.73	1.26	0.60
43.67	0.40	1.51	1.35	1.41	1.30	1.38	1.57	1.68	1.36	1.57	0.87	0.91	1.13	1.23	1.30	1.42	1.48	1.19	1.65	1.34	0.61
47.94	0.41	1.44	1.32	1.44	1.27	1.33	1.68	1.62	1.38	1.59	0.90	0.97	1.21	1.30	1.29	1.43	1.49	1.19	1.56	1.48	0.65
52.63	0.44	1.38	1.29	1.47	1.23	1.27	1.83	1.58	1.45	1.62	0.95	1.11	1.34	1.42	1.27	1.45	1.51	1.21	1.48	1.73	0.71
57.77	0.47	1.35	1.27	1.53	1.20	1.22	2.04	1.56	1.57	1.65	1.04	1.38	1.54	1.61	1.27	1.49	1.52	1.24	1.40	2.11	0.81
63.42	0.51	1.34	1.28	1.63	1.17	1.17	2.30	1.58	1.77	1.69	1.22	1.84	1.85	1.90	1.29	1.55	1.53	1.30	1.34	2.64	0.95
69.62	0.57	1.36	1.32	1.76	1.15	1.15	2.63	1.63	2.06	1.71	1.54	2.55	2.28	2.28	1.31	1.64	1.52	1.39	1.29	3.27	1.15
76.43	0.68	1.43	1.41	1.89	1.13	1.14	2.99	1.72	2.42	1.72	2.05	3.49	2.85	2.74	1.35	1.75	1.50	1.50	1.26	3.93	1.39
83.90	0.84	1.53	1.52	1.98	1.11	1.14	3.34	1.83	2.83	1.68	2.79	4.61	3.51	3.22	1.38	1.89	1.43	1.62	1.23	4.49	1.68
92.10	1.09	1.66	1.63	1.97	1.08	1.13	3.61	1.94	3.25	1.60	3.75	5.74	4.22	3.63	1.39	2.04	1.33	1.74	1.19	4.84	2.02
101.10	1.44	1.81	1.71	1.84	1.04	1.07	3.76	2.02	3.61	1.48	4.81	6.71	4.87	3.89	1.37	2.19	1.20	1.87	1.13	4.90	2.40
110.99	1.89	1.95	1.73	1.64	0.98	0.96	3.75	2.07	3.87	1.32	5.85	7.32	5.36	3.95	1.32	2.34	1.07	2.00	1.06	4.64	2.82
121.84	2.43	2.06	1.70	1.40	0.91	0.83	3.58	2.07	3.97	1.14	6.67	7.41	5.61	3.80	1.26	2.47	0.97	2.13	1.00	4.12	3.27
133.75	3.01	2.12	1.61	1.18	0.80	0.72	3.25	2.02	3.88	0.95	7.07	6.90	5.53	3.44	1.19	2.57	0.91	2.27	0.97	3.41	3.74
146.82	3.58	2.09	1.47	0.99	0.65	0.66	2.78	1.91	3.56	0.75	6.92	5.80	5.10	2.91	1.12	2.58	0.87	2.39	0.94	2.60	4.20
161.18	4.09	1.94	1.28	0.80	0.49	0.66	2.18	1.71	3.02	0.54	6.16	4.31	4.32	2.26	1.05	2.46	0.85	2.44	0.90	1.80	4.56
176.94	4.50	1.67	1.04	0.58	0.39	0.67	1.51	1.41	2.30	0.31	4.92	2.72	3.28	1.55	0.99	2.17	0.81	2.39	0.84	1.06	4.75
194.23	4.77	1.34	0.80	0.34	0.40	0.66	0.87	1.05	1.51	0.13	3.42	1.32	2.14	0.90	0.97	1.75	0.76	2.25	0.74	0.48	4.71
213.22	4.90	1.02	0.63	0.18	0.54	0.56	0.41	0.72	0.77	0.03	1.95	0.44	1.08	0.42	1.03	1.28	0.70	2.06	0.65	0.14	4.42
234.07	4.90	0.80	0.57	0.13	0.80	0.40	0.19	0.49	0.27	0.00	0.83	0.08	0.38	0.18	1.21	0.89	0.68	1.90	0.58	0.02	3.95
256.95	4.80	0.73	0.66	0.20	1.06	0.20	0.17	0.37	0.05	0.00	0.23	0.01	0.07	0.13	1.49	0.64	0.69	1.78	0.57	0.00	3.37
282.07	4.61	0.78	0.86	0.41	1.15	0.07	0.29	0.36	0.00	0.00	0.03	0.00	0.00	0.19	1.82	0.54	0.74	1.70	0.59	0.00	2.78
309.64	4.35	0.92	1.13	0.73	0.98	0.01	0.51	0.40	0.00	0.00	0.00	0.00	0.00	0.33	2.11	0.54	0.77	1.63	0.61	0.00	2.25
339.92	4.05	1.06	1.34	1.02	0.60	0.00	0.71	0.45	0.00	0.00	0.00	0.00	0.00	0.46	2.25	0.59	0.75	1.51	0.58	0.00	1.84
373.15	3.71	1.12	1.40	1.16	0.24	0.00	0.79	0.47	0.00	0.00	0.00	0.00	0.00	0.49	2.20	0.63	0.66	1.31	0.49	0.00	1.53
409.63	3.36	1.06	1.29	1.12	0.05	0.00	0.72	0.44	0.00	0.00	0.00	0.00	0.00	0.42	1.98	0.63	0.51	1.07	0.36	0.00	1.32
449.67	3.01	0.90	1.06	0.93	0.00	0.00	0.57	0.36	0.00	0.00	0.00	0.00	0.00	0.31	1.65	0.57	0.36	0.81	0.24	0.00	1.18
493.63	2.69	0.68	0.77	0.67	0.00	0.00	0.41	0.28	0.00	0.00	0.00	0.00	0.00	0.21	1.31	0.48	0.23	0.60	0.16	0.00	1.08
541.89	2.39	0.47	0.53	0.41	0.00	0.00	0.29	0.21	0.00	0.00	0.00	0.00	0.00	0.15	1.00	0.38	0.15	0.45	0.12	0.00	1.01
594.87	2.11	0.31	0.37	0.20	0.00	0.00	0.21	0.15	0.00	0.00	0.00	0.00	0.00	0.13	0.73	0.27	0.12	0.36	0.11	0.00	0.94
653.03	1.86	0.20	0.29	0.08	0.00	0.00	0.17	0.10	0.00	0.00	0.00	0.00	0.00	0.15	0.51	0.18	0.12	0.30	0.11	0.00	0.86
716.87	1.61	0.13	0.28	0.03	0.00	0.00	0.13	0.05	0.00	0.00	0.00	0.00	0.00	0.16	0.32	0.09	0.13	0.24	0.09	0.00	0.75
786.95	1.37	0.08	0.31	0.01	0.00	0.00	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.16	0.16	0.03	0.15	0.16	0.05	0.00	0.61
863.88	1.12	0.04	0.35	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.06	0.01	0.17	0.07	0.02	0.00	0.46
948.34	0.87	0.01	0.37	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.19	0.02	0.00	0.00	0.32
1041.05	0.62	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.15	0.00	0.00	0.00	0.23
1142.83	0.37	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.09	0.00	0.00	0.00	0.18
1254.55	0.17	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.02	0.00	0.00	0.00	0.19
1377.20	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.23
1511.84	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.28
1659.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.30
1821.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.30
2000.00																					

NEREIDA

2010061
Phase 3

STN (Nereida BC)	BC 319	BC 320	BC 324	BC 327	BC 328	BC 329	BC 330	BC 331	BC 332	BC 333	BC 334		BC 337	BC 339	BC 340	BC 341	BC 342	BC 343	BC 344	BC 345	BC 346
STN (GSC)	028AA	029AA	030AA	031AA	032AA	033AA	035AA	036AA	038AA	039AA	040AA	041AA	042AA	044AA	045AA	046AA	047AA	048AA	049AA	050AA	051AA
												washed out	washed out								
Top (cm)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom (cm)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
T.C. (%)	**1.9**	**2.7**	**2.4**	**0.5**	**0.8**	**2.2**	**1.1**	**1.8**	**2.0**	**2.2**	**0.9**	**2.8**	**2.5**	**0.8**	**1.5**	**1.6**	**0.8**	**2.7**	**3.0**	**1.1**	**1.4**
T.C. (%) dup									**2.0**										**3.1**		
O.C. (%)	**1.9**	**2.7**	**2.0**	**0.5**	**0.6**	**2.2**	**1.0**	**1.7**	**1.8**	**2.2**	**0.7**	**2.8**	**2.5**	**0.6**	**1.1**	**1.6**	**0.6**	**0.8**	**2.3**	**0.7**	**1.0**
O.C. (%) dup									**1.9**										**2.3**		
I.C. (%) by diff.	**<0.01**	**<0.01**	**0.3**	**<0.01**	**0.1**	**<0.01**	**0.1**	**0.1**	**0.1**	**<0.01**	**0.2**	**<0.01**	**<0.01**	**0.2**	**0.4**	**<0.01**	**0.2**	**1.9**	**0.7**	**0.4**	**0.4**
%sortablesilt	33.5	34.9	38.8	14.3	17.2	33.7	21.8	30.4	35.0	34.8	23.9	33.6	29.5	9.7	26.4	30.6	23.9	24.3	37.4	28.3	36.1
%clay	**18.0**	**17.6**	**17.5**	**5.9**	**8.0**	**17.6**	**8.0**	**14.9**	**17.0**	**15.7**	**11.2**	**15.7**	**17.1**	**4.9**	**13.9**	**11.5**	**9.5**	**15.6**	**17.2**	**12.0**	**9.5**
%silt	**54.5**	**57.5**	**60.5**	**21.8**	**26.9**	**54.1**	**32.7**	**49.3**	**55.1**	**54.3**	**37.4**	**52.9**	**50.4**	**15.4**	**43.0**	**46.6**	**36.6**	**38.5**	**58.6**	**44.3**	**50.9**
%sand	**27.5**	**24.9**	**22.0**	**72.3**	**65.1**	**28.4**	**59.3**	**35.7**	**27.9**	**30.0**	**51.4**	**31.4**	**32.5**	**79.7**	**43.1**	**41.9**	**53.8**	**46.0**	**24.2**	**43.7**	**39.5**
%gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %
0.38	0.07	0.07	0.07	0.02	0.03	0.07	0.03	0.05	0.07	0.06	0.04	0.06	0.06	0.02	0.05	0.04	0.04	0.07	0.07	0.04	0.04
0.41	0.12	0.12	0.12	0.04	0.05	0.12	0.05	0.10	0.12	0.11	0.08	0.10	0.11	0.03	0.09	0.07	0.06	0.13	0.12	0.07	0.06
0.45	0.17	0.17	0.18	0.05	0.07	0.18	0.08	0.14	0.17	0.15	0.11	0.15	0.16	0.04	0.13	0.11	0.10	0.19	0.17	0.11	0.09
0.50	0.24	0.24	0.26	0.08	0.10	0.26	0.11	0.20	0.24	0.22	0.16	0.22	0.22	0.06	0.18	0.16	0.14	0.26	0.24	0.16	0.13
0.54	0.30	0.30	0.32	0.09	0.13	0.32	0.13	0.25	0.30	0.27	0.20	0.27	0.28	0.08	0.23	0.19	0.17	0.33	0.30	0.19	0.17
0.60	0.36	0.36	0.37	0.11	0.15	0.38	0.16	0.30	0.36	0.32	0.24	0.32	0.32	0.09	0.27	0.23	0.20	0.38	0.36	0.23	0.20
0.66	0.40	0.40	0.42	0.13	0.17	0.42	0.18	0.33	0.40	0.36	0.27	0.36	0.37	0.11	0.31	0.26	0.22	0.43	0.40	0.26	0.22
0.72	0.45	0.45	0.47	0.14	0.19	0.47	0.20	0.37	0.45	0.40	0.30	0.40	0.41	0.12	0.34	0.28	0.25	0.48	0.45	0.29	0.25
0.79	0.49	0.48	0.51	0.16	0.21	0.51	0.22	0.40	0.49	0.44	0.32	0.43	0.45	0.13	0.37	0.31	0.27	0.52	0.49	0.31	0.27
0.87	0.52	0.51	0.54	0.17	0.23	0.54	0.23	0.43	0.52	0.47	0.34	0.46	0.48	0.14	0.40	0.33	0.28	0.55	0.52	0.34	0.28
0.95	0.55	0.54	0.56	0.18	0.24	0.57	0.24	0.45	0.54	0.49	0.36	0.49	0.51	0.15	0.42	0.35	0.30	0.57	0.54	0.35	0.30
1.05	0.58	0.56	0.58	0.19	0.26	0.59	0.25	0.47	0.56	0.51	0.37	0.51	0.54	0.16	0.44	0.36	0.31	0.59	0.56	0.37	0.31
1.15	0.61	0.59	0.60	0.20	0.27	0.62	0.26	0.49	0.59	0.53	0.39	0.53	0.56	0.17	0.46	0.38	0.32	0.60	0.58	0.39	0.32
1.26	0.64	0.61	0.62	0.21	0.28	0.64	0.28	0.52	0.61	0.56	0.40	0.55	0.59	0.18	0.48	0.39	0.33	0.61	0.61	0.41	0.33
1.38	0.67	0.63	0.65	0.23	0.30	0.66	0.29	0.54	0.63	0.58	0.42	0.58	0.62	0.19	0.51	0.41	0.35	0.62	0.63	0.43	0.34
1.52	0.70	0.67	0.67	0.24	0.32	0.69	0.30	0.57	0.66	0.61	0.44	0.61	0.66	0.20	0.54	0.43	0.36	0.64	0.66	0.46	0.36
1.67	0.75	0.71	0.71	0.25	0.34	0.72	0.32	0.61	0.70	0.64	0.46	0.64	0.71	0.21	0.57	0.46	0.38	0.66	0.70	0.49	0.38
1.83	0.80	0.76	0.75	0.27	0.36	0.77	0.35	0.65	0.75	0.69	0.49	0.69	0.76	0.22	0.62	0.49	0.41	0.68	0.75	0.53	0.40
2.01	0.86	0.82	0.81	0.29	0.39	0.82	0.38	0.71	0.80	0.74	0.53	0.74	0.82	0.24	0.67	0.54	0.44	0.72	0.81	0.57	0.44
2.21	0.94	0.90	0.88	0.32	0.43	0.89	0.41	0.77	0.87	0.81	0.57	0.81	0.90	0.26	0.73	0.59	0.48	0.76	0.88	0.63	0.48
2.42	1.02	0.99	0.96	0.34	0.47	0.97	0.45	0.85	0.94	0.88	0.62	0.88	0.99	0.28	0.80	0.65	0.53	0.80	0.96	0.69	0.52
2.66	1.12	1.09	1.05	0.37	0.51	1.06	0.50	0.94	1.03	0.97	0.68	0.97	1.08	0.30	0.88	0.72	0.58	0.86	1.05	0.76	0.58
2.92	1.23	1.21	1.16	0.41	0.56	1.16	0.55	1.03	1.13	1.07	0.75	1.07	1.19	0.33	0.97	0.80	0.65	0.93	1.16	0.84	0.65
3.21	1.34	1.34	1.28	0.44	0.61	1.27	0.61	1.14	1.24	1.17	0.82	1.17	1.31	0.36	1.06	0.88	0.72	1.00	1.28	0.93	0.72
3.52	1.46	1.47	1.41	0.48	0.66	1.38	0.67	1.25	1.36	1.28	0.90	1.29	1.43	0.38	1.16	0.98	0.79	1.07	1.40	1.03	0.81
3.86	1.58	1.61	1.54	0.53	0.72	1.50	0.74	1.37	1.48	1.40	0.98	1.40	1.55	0.42	1.25	1.08	0.87	1.14	1.53	1.12	0.90
4.24	1.70	1.76	1.67	0.57	0.77	1.62	0.81	1.48	1.60	1.52	1.06	1.52	1.68	0.45	1.35	1.18	0.95	1.22	1.66	1.22	1.00
4.66	1.82	1.90	1.81	0.61	0.83	1.74	0.88	1.60	1.71	1.63	1.14	1.63	1.80	0.48	1.45	1.28	1.04	1.29	1.79	1.32	1.10
5.11	1.93	2.04	1.94	0.66	0.88	1.85	0.95	1.71	1.83	1.74	1.22	1.74	1.91	0.51	1.53	1.39	1.12	1.35	1.92	1.42	1.21
5.61	2.03	2.16	2.06	0.70	0.93	1.96	1.02	1.81	1.93	1.85	1.29	1.85	2.02	0.54	1.61	1.49	1.20	1.40	2.03	1.51	1.32
6.16	2.12	2.28	2.17	0.74	0.97	2.05	1.09	1.91	2.03	1.95	1.35	1.94	2.11	0.57	1.68	1.59	1.27	1.45	2.13	1.60	1.43
6.76	2.20	2.38	2.27	0.78	1.02	2.13	1.15	1.99	2.11	2.03	1.41	2.02	2.19	0.59	1.74	1.68	1.34	1.48	2.22	1.68	1.54
7.42	2.26	2.47	2.36	0.81	1.05	2.19	1.21	2.06	2.18	2.11	1.45	2.09	2.26	0.61	1.79	1.76	1.40	1.51	2.30	1.74	1.65
8.15	2.31	2.53	2.42	0.84	1.08	2.24	1.25	2.10	2.23	2.17	1.49	2.15	2.30	0.63	1.82	1.83	1.45	1.52	2.36	1.80	1.75
8.94	2.33	2.57	2.47	0.87	1.09	2.27	1.29	2.14	2.26	2.21	1.51	2.18	2.32	0.65	1.83	1.89	1.49	1.51	2.39	1.84	1.85
9.82	2.34	2.58	2.49	0.89	1.10	2.27	1.32	2.14	2.27	2.23	1.51	2.20	2.32	0.65	1.82	1.93	1.52	1.50	2.41	1.87	1.94
10.78	2.31	2.57	2.49	0.90	1.10	2.25	1.34	2.12	2.26	2.23	1.50	2.20	2.29	0.66	1.80	1.96	1.53	1.47	2.39	1.87	2.01
11.83	2.27	2.52	2.47	0.91	1.08	2.20	1.34	2.08	2.23	2.21	1.47	2.17	2.23	0.65	1.75	1.96	1.52	1.42	2.36	1.86	2.08
12.99	2.21	2.44	2.42	0.90	1.05	2.14	1.33	2.02	2.18	2.17	1.43	2.13	2.14	0.64	1.69	1.95	1.50	1.38	2.31	1.83	2.12
14.26	2.14	2.36	2.37	0.89	1.02	2.07	1.31	1.95	2.13	2.13	1.38	2.08	2.05	0.63	1.63	1.92	1.47	1.34	2.26	1.79	2.16
15.65	2.07	2.27	2.32	0.87	0.99	2.01	1.28	1.87	2.08	2.08	1.33	2.04	1.95	0.61	1.57	1.89	1.44	1.31	2.21	1.74	2.17
17.18	2.00	2.18	2.28	0.85	0.95	1.95	1.24	1.80	2.04	2.03	1.29	1.99	1.85	0.59	1.51	1.84	1.41	1.29	2.17	1.69	2.17
18.86	1.93	2.09	2.24	0.82	0.91	1.90	1.20	1.72	1.99	1.98	1.25	1.94	1.75	0.57	1.45	1.79	1.36	1.27	2.13	1.63	2.15
20.71	1.85	1.99	2.18	0.79	0.87	1.84	1.15	1.64	1.93	1.92	1.22	1.88	1.65	0.54	1.39	1.73	1.31	1.25	2.09	1.56	2.10
22.73	1.76	1.88	2.12	0.75	0.83	1.77	1.10	1.55	1.86	1.84	1.18	1.81	1.54	0.51	1.32	1.65	1.25	1.21	2.04	1.48	2.03
24.95	1.66	1.77	2.04	0.71	0.79	1.70	1.04	1.46	1.78	1.75	1.14	1.72	1.43	0.48	1.24	1.57	1.19	1.16	1.97	1.39	1.95
27.39	1.56	1.67	1.95	0.68	0.75	1.63	0.99	1.39	1.70	1.66	1.10	1.63	1.32	0.45	1.17	1.48	1.12	1.12	1.90	1.31	1.85
30.07	1.47	1.57	1.87	0.64	0.73	1.57	0.95	1.32	1.62	1.58	1.07	1.56	1.24	0.42	1.12	1.41	1.07	1.10	1.82	1.24	1.77
33.01	1.40	1.49	1.81	0.63	0.72	1.53	0.94	1.29	1.56	1.53	1.06	1.50	1.18	0.40	1.10	1.35	1.04	1.09	1.76	1.21	1.70
36.24	1.36	1.43	1.76	0.62	0.73	1.50	0.94	1.27	1.53	1.50	1.08	1.46	1.14	0.39	1.10	1.32	1.03	1.11	1.71	1.20	1.64
39.78	1.36	1.38	1.72	0.62	0.76	1.49	0.96	1.28	1.52	1.50	1.12	1.44	1.13	0.39	1.12	1.30	1.04	1.16	1.67	1.21	1.61
43.67	1.39	1.34	1.70	0.64	0.80	1.50	1.01	1.30	1.54	1.53	1.18	1.44	1.13	0.41	1.18	1.30	1.07	1.22	1.66	1.24	1.60
47.94	1.46	1.32	1.69	0.66	0.88	1.52	1.08	1.35	1.58	1.60	1.27	1.46	1.14	0.43	1.26	1.32	1.11	1.31	1.65	1.28	1.61
52.63	1.57	1.30	1.69	0.68	1.01	1.56	1.20	1.43	1.66	1.71	1.37	1.51	1.17	0.46	1.40	1.36	1.16	1.44	1.65	1.35	1.66
57.77	1.73	1.30	1.71	0.72	1.22	1.63	1.37	1.55	1.76	1.86	1.49	1.58	1.22	0.50	1.60	1.44	1.23	1.60	1.67	1.46	1.77
63.42	1.92	1.32	1.72	0.80	1.53	1.70	1.62	1.69	1.89	2.05	1.66	1.68	1.28	0.54	1.88	1.58	1.36	1.81	1.68	1.64	1.95
69.62	2.11	1.35	1.74	0.97	1.98	1.79	1.98	1.86	2.03	2.25	1.92	1.79	1.36	0.60	2.23	1.78	1.57	2.05	1.70	1.91	2.22
76.43	2.26	1.37	1.74	1.29	2.58	1.86	2.45	2.01	2.15	2.43	2.29	1.88	1.44	0.72	2.63	2.07	1.91	2.30	1.69	2.29	2.57
83.90	2.33	1.39	1.70	1.81	3.29	1.91	3.04	2.13	2.21	2.54	2.78	1.94	1.51	0.92	3.01	2.43	2.40	2.53	1.66	2.75	2.94
92.10	2.29	1.37	1.62	2.58	4.07	1.90	3.70	2.17	2.19	2.56	3.37	1.93	1.54	1.24	3.33	2.80	3.04	2.71	1.59	3.25	3.29
101.10	2.14	1.34	1.49	3.58	4.82	1.86	4.38	2.16	2.09	2.47	3.97	1.86	1.54	1.69	3.50	3.15	3.77	2.82	1.48	3.70	3.53
110.99	1.92	1.28	1.33	4.71	5.47	1.78	5.00	2.09	1.92	2.30	4.51	1.73	1.49	2.26	3.52	3.41	4.50	2.86	1.35	4.03	3.62
121.84	1.66	1.23	1.18	5.83	5.91	1.70	5.46	2.00	1.72	2.08	4.87	1.59	1.43	2.88	3.37	3.52	5.12	2.84	1.22	4.16	3.51
133.75	1.43	1.20	1.05	6.75	6.07	1.62	5.67	1.92	1.52	1.85	4.96	1.45	1.36	3.45	3.08	3.45	5.47	2.77	1.11	4.03	3.20
146.82	1.22	1.17	0.94	7.25	5.87	1.53	5.52	1.85	1.31	1.60	4.71	1.31	1.29	3.86	2.67	3.17	5.42	2.62	1.00	3.63	2.73
161.18	1.05	1.14	0.83	7.22	5.32	1.40	4.98	1.75	1.10	1.32	4.10	1.16	1.23	4.01	2.18	2.69	4.92	2.38	0.87	2.98	2.12
176.94	0.88	1.10	0.70	6.62	4.46	1.22	4.07	1.61	0.87	1.00	3.20	1.00	1.18	3.91	1.65	2.08	4.00	2.05	0.72	2.16	1.44
194.23	0.72	1.04	0.56	5.57	3.42	0.99	2.93	1.43	0.65	0.67	2.17	0.86	1.15	3.62	1.16	1.46	2.85	1.68	0.56	1.34	0.80
213.22	0.60	0.99	0.46	4.28	2.38	0.79	1.81	1.24	0.48	0.42	1.21	0.77	1.17	3.27	0.82	0.97	1.72	1.37	0.46	0.70	0.36
234.07	0.54	0.98	0.41	3.01	1.53	0.65	0.95	1.09	0.42	0.29	0.57	0.77	1.25	2.98	0.64	0.68	0.88	1.19	0.43	0.36	0.16
256.95	0.54	1.00	0.44	1.97	0.96	0.61	0.47	1.01	0.46	0.29	0.29	0.86	1.38	2.83	0.63	0.60	0.43	1.17	0.51	0.27	0.14
282.07	0.59	1.03	0.52	1.25	0.67	0.65	0.32	0.99	0.58	0.39	0.25	1.01	1.51	2.83	0.75	0.67	0.30	1.29	0.67	0.35	0.26
309.64	0.64	1.01	0.60	0.84	0.57	0.72	0.37	0.99	0.73	0.54	0.38	1.14	1.59	2.95	0.92	0.83	0.34	1.45	0.84	0.53	0.48
339.92	0.65	0.92	0.62	0.67	0.57	0.75	0.54	0.97	0.82	0.65	0.59	1.18	1.56	3.10	1.03	0.97	0.49	1.54	0.94	0.71	0.70
373.15	0.58	0.75	0.57	0.63	0.61	0.70	0.72	0.88	0.80	0.66	0.73	1.09	1.41	3.22	1.03	1.00	0.64	1.48	0.92	0.77	0.80
409.63	0.45	0.55	0.45	0.66	0.61	0.58	0.81	0.76	0.66	0.56	0.74	0.90	1.17	3.26	0.90	0.89	0.68	1.26	0.78	0.69	0.78
449.67	0.30	0.36	0.32	0.69	0.57	0.42	0.77	0.62	0.47	0.40	0.63	0.68	0.92	3.20	0.71	0.70	0.63	0.94	0.59	0.53	0.67
493.63	0.19	0.23	0.22	0.69	0.50	0.28	0.63	0.50	0.28	0.26	0.47	0.49	0.70	3.07	0.51	0.48	0.51	0.62	0.40	0.35	0.50
541.89	0.13	0.17	0.17	0.66	0.41	0.18	0.47	0.41	0.16	0.16	0.33	0.38	0.56	2.88	0.34	0.29	0.37	0.38	0.26	0.22	0.34
594.87	0.10	0.15	0.15	0.60	0.33	0.13	0.31	0.37	0.10	0.10	0.24	0.33	0.46	2.67	0.23	0.16	0.24	0.25	0.19	0.13	0.21
653.03	0.09	0.14	0.15	0.51	0.25	0.12	0.18	0.34	0.08	0.07	0.19	0.32	0.39	2.44	0.16	0.07	0.15	0.21	0.15	0.08	0.11
716.87	0.08	0.13	0.14	0.39	0.17	0.12	0.09	0.31	0.08	0.05	0.15	0.32	0.31	2.19	0.10	0.03	0.07	0.23	0.14	0.06	0.05
786.95	0.06	0.09	0.11	0.27	0.09	0.12	0.03	0.26	0.07	0.03	0.09	0.31	0.19	1.92	0.06	0.01	0.03	0.26	0.12	0.03	0.01
863.88	0.03	0.04	0.06	0.14	0.03	0.11	0.01	0.18	0.05	0.01	0.04	0.26	0.08	1.64	0.02	0.00	0.01	0.28	0.08	0.01	0.00
948.34	0.01	0.01	0.02	0.05	0.01	0.09	0.00	0.09	0.02	0.00	0.01	0.20	0.02	1.35	0.00	0.00	0.00	0.25	0.03	0.00	0.00
1041.05	0.00	0.00	0.00	0.01	0.00	0.06	0.00	0.03	0.01	0.00	0.00	0.13	0.00	1.09	0.00	0.00	0.00	0.18	0.01	0.00	0.00
1142.83	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.06	0.00	0.87	0.00	0.00	0.00	0.10	0.00	0.00	0.00
1254.55	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.70	0.00	0.00	0.00	0.04	0.00	0.00	0.00
1377.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.01	0.00	0.00	0.00
1511.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1659.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1821.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00																					

NEREIDA

2010061
Phase 3

STN (Nereida BC)	BC 347	BC 348	BC 350	BC 351	BC 352	BC 353	BC 354	BC 356	BC 357	BC 358	BC 361	BC 362	BC 363	BC 364	BC 365	BC 366	BC 367	BC 368	BC 369	BC 370	BC 371
STN (GSC)	052AA	053AA	054AA	055AA	056AA	058AA	059AA	060AA	061AA	062AA	063AA	064AA	065AA	066AA	067AA	068AA	069AA	070AA	071AA	072AA	073AA
Top (cm)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom (cm)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
T.C. (%)	**2.3**	**2.1**	**2.6**	**2.5**	**2.0**	**1.6**	**2.9**	**1.7**	**2.3**	**2.0**	**2.1**	**1.0**	**2.5**	**2.4**	**1.9**	**2.8**	**2.7**	**1.0**	**1.7**	**2.5**	**2.5**
T.C. (%) dup								**1.8**										**1.1**			
O.C. (%)	**1.7**	**1.4**	**2.1**	**2.2**	**0.9**	**1.0**	**2.0**	**1.4**	**1.3**	**1.3**	**1.3**	**0.7**	**2.1**	**2.4**	**1.2**	**2.8**	**2.4**	**0.7**	**1.2**	**1.8**	**1.5**
O.C. (%) dup								**1.5**										**0.9**			
I.C. (%) by diff.	**0.6**	**0.8**	**0.5**	**0.2**	**1.1**	**0.7**	**0.9**	**0.3**	**1.0**	**0.7**	**0.8**	**0.3**	**0.4**	**0.1**	**0.7**	**<0.01**	**0.3**	**0.3**	**0.5**	**0.7**	**1.0**
%sortablesilt	41.1	34.0	35.3	40.1	32.8	24.8	33.6	33.3	38.5	33.3	33.0	25.1	33.8	41.5	33.7	34.3	34.5		32.9	37.7	38.0
%clay	**12.0**	**16.5**	**16.5**	**16.9**	**15.9**	**13.9**	**21.5**	**10.0**	**13.7**	**19.0**	**16.3**	**10.1**	**17.2**	**17.0**	**12.2**	**21.2**	**18.4**		**11.8**	**19.2**	**16.7**
%silt	**58.7**	**53.0**	**56.0**	**62.4**	**52.0**	**39.7**	**55.3**	**46.9**	**55.7**	**53.6**	**50.6**	**38.7**	**54.5**	**64.3**	**51.0**	**57.2**	**56.4**		**50.2**	**60.5**	**57.7**
%sand	**29.3**	**30.5**	**27.5**	**20.6**	**32.2**	**46.4**	**23.1**	**43.1**	**30.6**	**27.3**	**33.1**	**51.2**	**28.4**	**18.6**	**36.9**	**21.6**	**25.2**		**38.0**	**20.3**	**25.6**
%gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Channel Diameter (Lower) µm	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %	Diff. Volume %		Diff. Volume %	Diff. Volume %	Diff. Volume %
0.38	0.04	0.07	0.06	0.06	0.06	0.06	0.09	0.04	0.05	0.08	0.07	0.04	0.06	0.07	0.05	0.08	0.07		0.04	0.08	0.07
0.41	0.08	0.12	0.11	0.11	0.11	0.10	0.16	0.06	0.09	0.14	0.12	0.07	0.12	0.12	0.08	0.14	0.12		0.07	0.13	0.13
0.45	0.12	0.17	0.16	0.16	0.16	0.15	0.24	0.10	0.14	0.20	0.18	0.10	0.17	0.18	0.12	0.21	0.18		0.11	0.20	0.19
0.50	0.16	0.24	0.23	0.23	0.23	0.21	0.34	0.14	0.20	0.29	0.26	0.14	0.24	0.25	0.17	0.30	0.26		0.15	0.28	0.26
0.54	0.20	0.30	0.28	0.28	0.28	0.26	0.42	0.17	0.24	0.36	0.32	0.18	0.30	0.31	0.21	0.37	0.32		0.19	0.35	0.33
0.60	0.24	0.35	0.33	0.33	0.33	0.31	0.49	0.20	0.28	0.42	0.37	0.21	0.35	0.36	0.25	0.43	0.37		0.23	0.41	0.38
0.66	0.27	0.40	0.38	0.38	0.37	0.35	0.56	0.22	0.32	0.47	0.42	0.23	0.40	0.41	0.28	0.49	0.42		0.25	0.46	0.43
0.72	0.30	0.45	0.42	0.42	0.41	0.39	0.62	0.25	0.36	0.52	0.47	0.26	0.44	0.45	0.31	0.55	0.47		0.28	0.52	0.48
0.79	0.33	0.48	0.46	0.46	0.45	0.42	0.67	0.27	0.39	0.57	0.50	0.28	0.48	0.49	0.34	0.59	0.51		0.31	0.56	0.52
0.87	0.35	0.51	0.49	0.49	0.48	0.45	0.71	0.29	0.41	0.60	0.53	0.30	0.51	0.52	0.36	0.63	0.54		0.33	0.59	0.54
0.95	0.37	0.54	0.51	0.51	0.50	0.46	0.74	0.30	0.43	0.63	0.55	0.31	0.53	0.54	0.37	0.67	0.57		0.34	0.62	0.57
1.05	0.38	0.56	0.54	0.54	0.52	0.48	0.77	0.32	0.45	0.65	0.57	0.33	0.56	0.56	0.39	0.70	0.59		0.36	0.64	0.58
1.15	0.40	0.58	0.56	0.56	0.54	0.50	0.80	0.33	0.47	0.68	0.59	0.34	0.58	0.58	0.40	0.73	0.62		0.38	0.67	0.60
1.26	0.41	0.60	0.58	0.59	0.56	0.51	0.82	0.35	0.48	0.70	0.61	0.35	0.60	0.60	0.42	0.76	0.65		0.39	0.69	0.61
1.38	0.43	0.62	0.61	0.61	0.59	0.53	0.84	0.36	0.50	0.73	0.62	0.37	0.63	0.62	0.44	0.79	0.67		0.41	0.72	0.63
1.52	0.45	0.64	0.64	0.64	0.61	0.55	0.87	0.38	0.52	0.75	0.64	0.38	0.66	0.65	0.46	0.83	0.71		0.44	0.75	0.65
1.67	0.48	0.68	0.68	0.69	0.65	0.57	0.91	0.41	0.55	0.79	0.67	0.41	0.70	0.68	0.48	0.89	0.75	NO ANALYSIS	0.47	0.79	0.67
1.83	0.52	0.72	0.73	0.74	0.69	0.61	0.95	0.43	0.59	0.84	0.71	0.44	0.75	0.72	0.52	0.95	0.80		0.51	0.83	0.71
2.01	0.56	0.77	0.78	0.80	0.75	0.65	1.01	0.47	0.64	0.89	0.75	0.47	0.81	0.78	0.56	1.02	0.87		0.55	0.90	0.76
2.21	0.61	0.83	0.85	0.87	0.81	0.69	1.08	0.51	0.69	0.96	0.81	0.51	0.88	0.85	0.61	1.10	0.94		0.61	0.97	0.81
2.42	0.67	0.90	0.93	0.96	0.88	0.75	1.15	0.56	0.76	1.04	0.87	0.57	0.96	0.93	0.68	1.20	1.03		0.67	1.05	0.88
2.66	0.74	0.99	1.02	1.05	0.97	0.82	1.24	0.62	0.83	1.13	0.95	0.63	1.06	1.03	0.75	1.31	1.13		0.75	1.15	0.96
2.92	0.83	1.08	1.12	1.17	1.06	0.89	1.34	0.69	0.92	1.23	1.03	0.69	1.16	1.14	0.83	1.43	1.25		0.83	1.27	1.06
3.21	0.92	1.19	1.24	1.29	1.17	0.97	1.45	0.76	1.01	1.34	1.13	0.77	1.28	1.26	0.93	1.55	1.37		0.93	1.39	1.16
3.52	1.02	1.30	1.35	1.42	1.28	1.05	1.57	0.84	1.12	1.45	1.23	0.85	1.40	1.40	1.03	1.68	1.50		1.03	1.52	1.28
3.86	1.13	1.41	1.48	1.55	1.39	1.14	1.68	0.92	1.22	1.57	1.33	0.93	1.52	1.54	1.13	1.82	1.63		1.14	1.66	1.40
4.24	1.24	1.52	1.60	1.69	1.51	1.23	1.80	1.01	1.33	1.68	1.43	1.02	1.65	1.69	1.25	1.94	1.76		1.26	1.79	1.52
4.66	1.36	1.63	1.73	1.83	1.63	1.31	1.91	1.09	1.44	1.79	1.53	1.11	1.77	1.84	1.36	2.06	1.89		1.37	1.93	1.64
5.11	1.48	1.74	1.85	1.97	1.74	1.39	2.02	1.18	1.54	1.90	1.62	1.19	1.88	1.99	1.48	2.17	2.01		1.49	2.06	1.76
5.61	1.60	1.84	1.96	2.10	1.84	1.46	2.11	1.26	1.64	1.99	1.71	1.28	1.99	2.13	1.59	2.26	2.12		1.60	2.18	1.87
6.16	1.72	1.92	2.07	2.23	1.93	1.52	2.19	1.34	1.72	2.07	1.78	1.35	2.08	2.27	1.70	2.34	2.22		1.72	2.30	1.97
6.76	1.83	1.99	2.16	2.34	2.01	1.57	2.26	1.42	1.80	2.13	1.85	1.43	2.17	2.40	1.80	2.40	2.30		1.82	2.39	2.07
7.42	1.94	2.05	2.24	2.44	2.08	1.61	2.32	1.49	1.87	2.18	1.89	1.49	2.23	2.51	1.90	2.44	2.36		1.92	2.47	2.15
8.15	2.04	2.08	2.30	2.52	2.14	1.63	2.35	1.55	1.93	2.21	1.92	1.54	2.28	2.60	1.99	2.45	2.41		2.00	2.53	2.21
8.94	2.14	2.10	2.35	2.59	2.17	1.64	2.37	1.60	1.97	2.22	1.94	1.58	2.30	2.68	2.06	2.44	2.43		2.08	2.57	2.26
9.82	2.22	2.10	2.37	2.63	2.18	1.63	2.36	1.65	1.99	2.20	1.93	1.61	2.30	2.73	2.12	2.40	2.43		2.13	2.59	2.29
10.78	2.29	2.07	2.37	2.65	2.17	1.61	2.33	1.68	2.00	2.16	1.91	1.62	2.28	2.75	2.16	2.33	2.40		2.17	2.57	2.30
11.83	2.34	2.02	2.34	2.64	2.14	1.56	2.28	1.70	1.99	2.10	1.87	1.61	2.23	2.74	2.18	2.24	2.34		2.18	2.53	2.29
12.99	2.37	1.97	2.30	2.61	2.10	1.51	2.22	1.71	1.98	2.03	1.82	1.59	2.17	2.71	2.19	2.14	2.27		2.18	2.47	2.27
14.26	2.40	1.91	2.25	2.57	2.04	1.46	2.16	1.72	1.97	1.96	1.78	1.55	2.10	2.66	2.18	2.04	2.19		2.15	2.40	2.25
15.65	2.41	1.86	2.19	2.52	1.99	1.42	2.11	1.72	1.96	1.91	1.74	1.51	2.04	2.60	2.15	1.96	2.12		2.12	2.33	2.23
17.18	2.41	1.83	2.14	2.46	1.94	1.39	2.07	1.72	1.96	1.86	1.73	1.46	1.98	2.54	2.12	1.90	2.05		2.07	2.26	2.23
18.86	2.39	1.80	2.08	2.40	1.88	1.36	2.02	1.71	1.97	1.82	1.72	1.41	1.92	2.47	2.07	1.85	1.99		2.00	2.20	2.22
20.71	2.35	1.77	2.01	2.31	1.81	1.32	1.95	1.70	1.97	1.77	1.71	1.35	1.86	2.38	2.00	1.80	1.91		1.91	2.12	2.20
22.73	2.29	1.73	1.93	2.21	1.73	1.26	1.86	1.67	1.96	1.71	1.69	1.28	1.79	2.27	1.90	1.75	1.83		1.81	2.03	2.15
24.95	2.21	1.69	1.84	2.09	1.63	1.21	1.76	1.63	1.93	1.63	1.66	1.20	1.70	2.15	1.79	1.68	1.73		1.69	1.93	2.08
27.39	2.12	1.64	1.74	1.97	1.54	1.15	1.66	1.60	1.91	1.56	1.63	1.14	1.61	2.03	1.68	1.62	1.63		1.57	1.82	2.00
30.07	2.03	1.60	1.65	1.86	1.47	1.11	1.57	1.57	1.89	1.51	1.60	1.09	1.54	1.91	1.57	1.58	1.55		1.47	1.74	1.91
33.01	1.95	1.58	1.58	1.77	1.42	1.09	1.50	1.57	1.89	1.49	1.58	1.06	1.48	1.82	1.48	1.55	1.50		1.38	1.68	1.83
36.24	1.90	1.59	1.53	1.71	1.40	1.10	1.46	1.59	1.92	1.49	1.59	1.06	1.46	1.75	1.42	1.56	1.46		1.32	1.64	1.77
39.78	1.87	1.62	1.49	1.67	1.41	1.13	1.42	1.65	1.98	1.52	1.62	1.07	1.46	1.72	1.37	1.58	1.46		1.29	1.62	1.72
43.67	1.87	1.68	1.47	1.66	1.43	1.17	1.38	1.75	2.08	1.57	1.67	1.11	1.48	1.71	1.35	1.61	1.47		1.29	1.61	1.68
47.94	1.90	1.77	1.47	1.66	1.48	1.23	1.34	1.93	2.21	1.63	1.76	1.18	1.52	1.73	1.34	1.65	1.49		1.32	1.61	1.65
52.63	1.96	1.87	1.47	1.67	1.55	1.30	1.29	2.18	2.37	1.72	1.88	1.30	1.58	1.76	1.35	1.69	1.53		1.40	1.60	1.62
57.77	2.05	2.00	1.48	1.70	1.63	1.39	1.24	2.52	2.56	1.82	2.03	1.50	1.66	1.80	1.38	1.73	1.57		1.53	1.59	1.60
63.42	2.15	2.14	1.49	1.72	1.72	1.49	1.20	2.94	2.77	1.93	2.21	1.81	1.74	1.83	1.43	1.77	1.61		1.73	1.57	1.59
69.62	2.25	2.28	1.51	1.75	1.83	1.64	1.17	3.40	2.98	2.02	2.39	2.24	1.82	1.84	1.51	1.80	1.64		1.98	1.55	1.58
76.43	2.33	2.39	1.51	1.75	1.95	1.82	1.14	3.83	3.14	2.07	2.55	2.79	1.87	1.83	1.61	1.82	1.65		2.26	1.52	1.58
83.90	2.36	2.46	1.49	1.71	2.05	2.06	1.12	4.14	3.23	2.05	2.65	3.41	1.89	1.77	1.72	1.81	1.63		2.54	1.48	1.56
92.10	2.32	2.45	1.44	1.63	2.12	2.33	1.09	4.26	3.20	1.96	2.65	4.01	1.84	1.66	1.84	1.76	1.57		2.77	1.41	1.52
101.10	2.21	2.36	1.36	1.50	2.15	2.63	1.04	4.16	3.06	1.80	2.56	4.50	1.74	1.51	1.95	1.67	1.47		2.91	1.33	1.45
110.99	2.06	2.21	1.26	1.34	2.12	2.93	0.99	3.85	2.81	1.61	2.39	4.80	1.59	1.34	2.04	1.52	1.33		2.94	1.22	1.35
121.84	1.89	2.02	1.16	1.17	2.06	3.19	0.95	3.38	2.49	1.44	2.17	4.84	1.43	1.17	2.09	1.31	1.19		2.84	1.09	1.23
133.75	1.71	1.80	1.07	1.02	1.97	3.35	0.92	2.84	2.14	1.30	1.92	4.60	1.28	0.98	2.09	1.03	1.06		2.64	0.90	1.11
146.82	1.52	1.55	1.00	0.87	1.82	3.35	0.90	2.27	1.77	1.19	1.67	4.10	1.14	0.80	2.01	0.74	0.92		2.33	0.66	0.97
161.18	1.30	1.27	0.94	0.71	1.62	3.14	0.86	1.71	1.36	1.08	1.40	3.38	1.00	0.62	1.82	0.53	0.78		1.92	0.42	0.81
176.94	1.03	0.94	0.88	0.52	1.36	2.72	0.80	1.17	0.93	0.95	1.10	2.53	0.86	0.49	1.52	0.44	0.61		1.43	0.27	0.63
194.23	0.73	0.63	0.85	0.34	1.10	2.17	0.73	0.70	0.50	0.82	0.81	1.68	0.74	0.42	1.18	0.53	0.45		0.94	0.28	0.46
213.22	0.48	0.40	0.86	0.21	0.89	1.63	0.69	0.37	0.18	0.71	0.59	0.99	0.66	0.43	0.88	0.74	0.35		0.56	0.48	0.36
234.07	0.35	0.30	0.95	0.18	0.78	1.21	0.69	0.20	0.03	0.67	0.47	0.56	0.65	0.48	0.71	1.01	0.35		0.36	0.87	0.37
256.95	0.32	0.34	1.09	0.24	0.78	0.97	0.74	0.18	0.00	0.71	0.47	0.39	0.72	0.52	0.68	1.14	0.47		0.34	1.29	0.49
282.07	0.39	0.49	1.26	0.38	0.86	0.90	0.82	0.26	0.00	0.79	0.55	0.39	0.84	0.47	0.77	1.02	0.71		0.46	1.46	0.73
309.64	0.52	0.69	1.37	0.55	0.95	0.92	0.89	0.41	0.00	0.85	0.67	0.50	0.95	0.32	0.95	0.65	1.00		0.70	1.28	1.03
339.92	0.63	0.83	1.37	0.67	0.98	0.96	0.89	0.54	0.00	0.85	0.74	0.63	0.99	0.14	1.12	0.28	1.25		0.95	0.80	1.27
373.15	0.66	0.85	1.23	0.68	0.91	0.95	0.81	0.59	0.00	0.74	0.72	0.70	0.91	0.03	1.20	0.06	1.36		1.09	0.33	1.39
409.63	0.60	0.73	0.99	0.58	0.74	0.85	0.68	0.54	0.00	0.55	0.61	0.66	0.74	0.00	1.18	0.00	1.29		1.10	0.07	1.34
449.67	0.48	0.54	0.72	0.42	0.53	0.70	0.54	0.43	0.00	0.35	0.45	0.56	0.55	0.00	1.07	0.00	1.08		0.99	0.01	1.15
493.63	0.36	0.33	0.49	0.27	0.34	0.55	0.44	0.32	0.00	0.21	0.31	0.43	0.38	0.00	0.94	0.00	0.79		0.80	0.00	0.87
541.89	0.25	0.18	0.32	0.16	0.20	0.44	0.40	0.23	0.00	0.14	0.21	0.30	0.28	0.00	0.82	0.00	0.45		0.59	0.00	0.51
594.87	0.17	0.10	0.22	0.10	0.13	0.38	0.40	0.16	0.00	0.12	0.16	0.19	0.23	0.00	0.74	0.00	0.18		0.40	0.00	0.21
653.03	0.12	0.07	0.18	0.07	0.09	0.37	0.43	0.11	0.00	0.13	0.15	0.11	0.23	0.00	0.69	0.00	0.04		0.24	0.00	0.04
716.87	0.07	0.06	0.16	0.06	0.06	0.38	0.45	0.08	0.00	0.13	0.15	0.05	0.24	0.00	0.65	0.00	0.00		0.12	0.00	0.00
786.95	0.04	0.06	0.13	0.04	0.04	0.38	0.44	0.04	0.00	0.11	0.15	0.02	0.24	0.00	0.59	0.00	0.00		0.04	0.00	0.00
863.88	0.01	0.05	0.10	0.03	0.01	0.35	0.38	0.01	0.00	0.06	0.12	0.00	0.23	0.00	0.49	0.00	0.00		0.01	0.00	0.00
948.34	0.00	0.03	0.06	0.01	0.00	0.30	0.28	0.00	0.00	0.02	0.08	0.00	0.21	0.00	0.34	0.00	0.00		0.00	0.00	0.00
1041.05	0.00	0.01	0.02	0.00	0.00	0.24	0.15	0.00	0.00	0.00	0.04	0.00	0.17	0.00	0.18	0.00	0.00		0.00	0.00	0.00
1142.83	0.00	0.00	0.00	0.00	0.00	0.20	0.06	0.00	0.00	0.00	0.01	0.00	0.11	0.00	0.06	0.00	0.00		0.00	0.00	0.00
1254.55	0.00	0.00	0.00	0.00	0.00	0.17	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.01	0.00	0.00		0.00	0.00	0.00
1377.20	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00		0.00	0.00	0.00
1511.84	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
1659.64	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
1821.89	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
2000.00																					