



Yellow	L Yellow Orange	Yellow Orange	Tan	L Yellow Green	Yellow -Green	Green	L. Yellow Blue	Dark Green
Orange	Light Brown	Brown	Red Orange	Red	Deep Red	Red Violet	Pink	Rust
Red Blue	Blue Violet	Violet	Yellow Blue	Blue Green	Light Blue	Blue	Olive	Dark Blue
Purple	Gray	Black	Dark Gray					

Color Identification Chart

Scale in cm	Lithotypes	Sedimentary Structures	
	conglomerate (cgl) sandstone (sst) siltstone (slt) mudstone (md) claystone (cly) limestone (lst) dolomite (dol) chert (cht) coal (cl) halite (hal) gypsum, anhydrite (gyp, anhy) volcaniclastic closely interbedded lithotypes; width of ornament indicates proportion of each	Erosional	Post-depositional
	Qualifiers	Depositional	Biogenic
	pebbly ○ ○ ○ sandy · · · silty - - - - muddy - - - calcareous + + + dolomitic + + + cherty ▼ ▼ ▼ carboniferous ■ ■ ■ saliferous # # # gypsiferous ^ ^ ^ tuffaceous v v v fossiliferous 6 6 6	structureless (massive) parallel bedding parallel lamination wavy bedding wavy lamination inclined bedding/lam. cross bedding/lam. (tab = tabular tr = trough) flaser lam./fading ripples convolute lamination lenticular bedding/lam. wedge-like bedding/lam. reverse grading or (over thicker interval) normal grading or (over thicker interval) imbricated	flame structures sediment injection shale clasts load casts pseudonodules convolute/contorted lam. mud cracks (syn. = syneresis) water-escape pipes water-escape dishes microfault filled fracture nodule/concretion bioturbation minor (0–30%) bioturbation moderate (30–60%) bioturbation intense (>60%) burrow traces rootlets algal mound tracks & trails borings fossil fragments
	Fossils	Bed/Layer contact	Other symbols
	fossils (undifferentiated) fossils - broken ammonoids belemnites bivalves brachiopods bryozoan coral - solitary coral - compound crinoids echinoids gastropods	sharp, planar gradational, planar sharp, irregular gradational, irregular disturbed	() structure indistinct (()) structure very indistinct ↑ interval over which structure occurs disturbed section
	Selected geological symbols for mapping		
	25 dip and strike of beds vertical horizontal 30 dip/strike of foliation, cleavage, schistosity 62 dip/strike of jointing 42 lineation and plunge observed inferred fault thrust strike slip contact observed inferred uncertain		



