STANDARD CLASSIFICATION*					ZONAL INDICES*
Series	European Stages	Gulf Coast	Western Interior		
Upper Cretaceous	Campanian	Navarro group	Montana group	Pierre shale: Virgin Creek member	*Baculites compressus*
				Pierre shale: Verendrye member	
				Pierre shale: De Grey member	
				Pierre shale: Crow Creek member	*Baculites gregoryensis*
				Pierre shale: Gregory member	
				Pierre shale: Sharon Springs member	*Baculites asperiformis*
	Senonian			Eagle sandstone	*Scaphites hippocrepis*
	Santonian	Taylor marl		Telegraph Creek formation	*Desmoscaphites bassleri*
		Gulf series		Niobrara formation: Smoky Hill chalk member	*Desmoscaphites erdmanni*
					Clioscaphites chotequensis
					Clioscaphites vermiformis
	Coniacian	Austin chalk			*Scaphites depressus*
					Scaphites ventricosus
				Niobrara formation: Fort Hays limestone member	*Inoceramus deformis*
	Turonian		Colorado group	Carlile shale: Sage Breaks member	*Scaphites corvensis*
				Carlile shale: Turner sandy member	*Scaphites nigricollensis*
					Prionocyclus wyomingensis
					Scaphites warreni
				Carlile shale: Blue Hill shale member	*Collignoniceras hyatti*
		Eagle Ford shale		Carlile shale: Fairport chalky member	*Collignoniceras woollgari*
	Cenomanian			Greenhorn limestone: Pfeifer limestone member	*Inoceramus labiatus*
				Greenhorn limestone: Jetmore chalk member	*Sciponoceras gracile*
				Greenhorn limestone: Hartland shale member	*Dunveganoceras* aff. *D. albertense*
				Greenhorn limestone: Lincoln limestone member	*Dunveganoceras pondi*
		Woodbine formation		Belle Fourche shale	*Acanthoceras?* sp. A
					Acanthoceras? amphibolum
					Calycoceras sp.
Lower Cretaceous	Albian	Comanche series: Washita group	Mowry shale		*Neogastroplites* sp.
					Gastroplites sp.

CORRELATION OF MANCOS SHALE SECTIONS, IN DISAPPOINTMENT VALLEY
(Locations shown on plate 1 or described in text. Macrofossils identified by J. B. Reeside, Jr.; microfossils by Ruth Todd, written communs., 1955, 1956)

DVR-2

Dakota Sandstone

DVR-1

Feet above base

640–855	*Inoceramus stantoni* Sokolow *Baculites codyensis* Reeside *Baculites asper* Morton *Phlycticrioceras oregonense* Reeside *Ostrea congesta* Conrad
310–480	*Inoceramus dimidius* White *Inoceramus fragilis* Hall and Meek *Scaphites whitfieldi* Cobban *Scaphites ferronensis* Cobban *Prionocyclus macombi* Meek *Prionocyclus wyomingensis* Meek
300	*Collignoniceras hyatti* (Stanton)
112–209	*Collignoniceras woollgari* (Mantell)
50–66	*Gryphaea newberryi* Stanton *Exogyra columbella* Meek

Dakota Sandstone

Measured section A

Feet above base

1,161	Fish bones *Heterohelix reussi* (Cushman) ?*Heterohelix globulosa* (Ehrenberg) ?*Globigerina cretacea* d'Orbigny ?*Rugoglobigerina rugosa* (Plummer)
982	*Heterohelix reussi* (Cushman) *Heterohelix globulosa* (Ehrenberg) ?*Globigerina cretacea* d'Orbigny ?*Rugoglobigerina rugosa* (Plummer) *Planulina taylorensis* (Carsey)
967	*Ostera*? sp. *Anisomyon*? sp. Fish scales ?*Heterohelix reussi* (Cushman) ?*Heterohelix globulosa* (Ehrenberg) ?*Neobulimina canadensis* Cushman and Wickenden ?*Globigerina cretacea* d'Orbigny ?*Rugoglobigerina rugosa* (Plummer)
932	*Ostrea congesta* Conrad *Inoceramus* aff. *I. stantoni* Sokolow *Baculites codyensis* Reeside "*Helioceras*" sp.
789–821	*Ostrea congesta* Conrad *Ostrea lugubris* Conrad *Inoceramus dimidius* White *Inoceramus* sp.
621–624	*Inoceramus dimidius* White *Inoceramus preplexus* Whitfield *Baculites* sp. *Scaphites ferronensis* Cobban *Prionocyclus* sp.
580–581	*Inoceramus dimidius* White *Scaphites warreni* Meek and Hayden
525	*Inoceramus dimidius* White *Inoceramus perplexus* Whitfield *Inoceramus* sp. *Collignoniceras* sp. *Prionocyclus macombi* Meek *Coilopoceras* cf. *C. colleti* Hyatt *Ostrea lugubris* Conrad Fish scales
475	*Inoceramus fragilis* Hall and Meek *Scaphites*? fragment Fish bones
70–90	*Gryphaea newberryi* Stanton

Dakota Sandstone

Measured section C

Mesaverde Group

Feet above base

2,303–2,305	*Haplophragmoides* sp. (coarse, rough) *Haplophragmoides* sp. (fine grained) *Haplophragmoides* sp. (flattened, glassy) *Gaudryina bentonensis* (Carman)
1,825–1,827	*Haplophragmoides* sp. (coarse, rough) *Haplophragmoides* sp. (fine grained) *Haplophragmoides* sp. (flattened, glassy) *Ammobaculites stephensoni* Cushman *Ammobaculites* sp. (fine and slender) *Gaudryina bentonensis* (Carman) *Reophax*? sp. *Dentalina* sp. *Heterohelix reussi* (Cushman) *Bolivina*? sp. *Rugoglobigerina rugosa* (Plummer) *Planulina taylorensis* (Carsey) *Anomalina* cf. *A. nelsoni* (Berry) *Neobulimina canadensis* Cushman and Wickenden
1,700–1,702	*Haplophragmoides* sp. (coarse, rough) *Haplophragmoides* sp. (flattened, glassy) *Ammobaculites stephensoni* Cushman *Ammobaculites* sp. (fine, slender) *Heterohelix reussi* (Cushman) *Heterohelix globulosa* (Ehrenberg) *Bolivina*? sp. *Rugoglobigerina rugosa* (Plummer) *Globortalia youngi* Fox
1,585–1,587	*Haplophragmoides* sp. (coarse, rough) *Haplophragmoides* sp. (flattened, glassy) *Ammobaculites* sp. (fine, slender) *Gaudryina bentonensis* (Carman) *Heterohelix reussi* (Cushman) *Neobulimina canadensis* Cushman and Wickenden ?*Globigerina cretacea* d'Orbigny *Rugoglobigerina rugosa* (Plummer) *Anomalina* cf. *A. nelsoni* (Berry)
1,450–1,452	*Haplophragmoides* sp. (coarse, rough) *Heterohelix reussi* (Cushman) *Rugoglobigerina rugosa* (Plummer)
1,435–1,436	*Inoceramus* sp. *Baculites* sp.
1,310–1,312	*Haplophragmoides* sp. (fine grained) *Heterohelix reussi* (Cushman) ?*Globigerina cretacea* d'Orbigny ?*Rugoglobigerina rugosa* (Plummer)
805	*Inoceramus deformis* Meek *Ostrea congesta* Conrad *Baculites asper* Morton
650	*Inoceramus* sp. probably *I. deformis* Meek *Ostrea congesta* Conrad
523–526	*Inoceramus perplexus* Whitfield *Ostrea lugubris* Conrad *Baculites* sp. *Schapites whitfieldi* Cobban *Prionocyclus wyomingensis* Meek
495–510	*Inoceramus perplexus* Whitfield *Inoceramus dimidius* White *Ostrea lugubris* Conrad *Scaphites* sp. *Prionocyclus wyomingensis* Meek *Ptychodus* sp. (shark's tooth)
90–115	*Gryphaea newberryi* Stanton

Dakota Sandstone

*Cobban and Reeside (1952)

DIAGRAMMATIC TABLE SHOWING CORRELATION OF MEASURED SECTIONS OF MANCOS SHALE ZONAL INDICES, AND STANDARD CLASSIFICATION