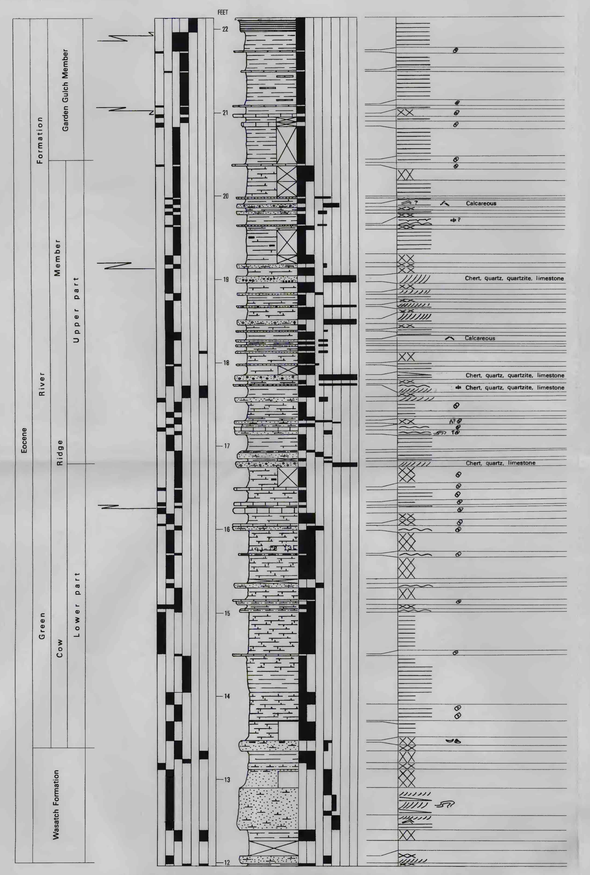
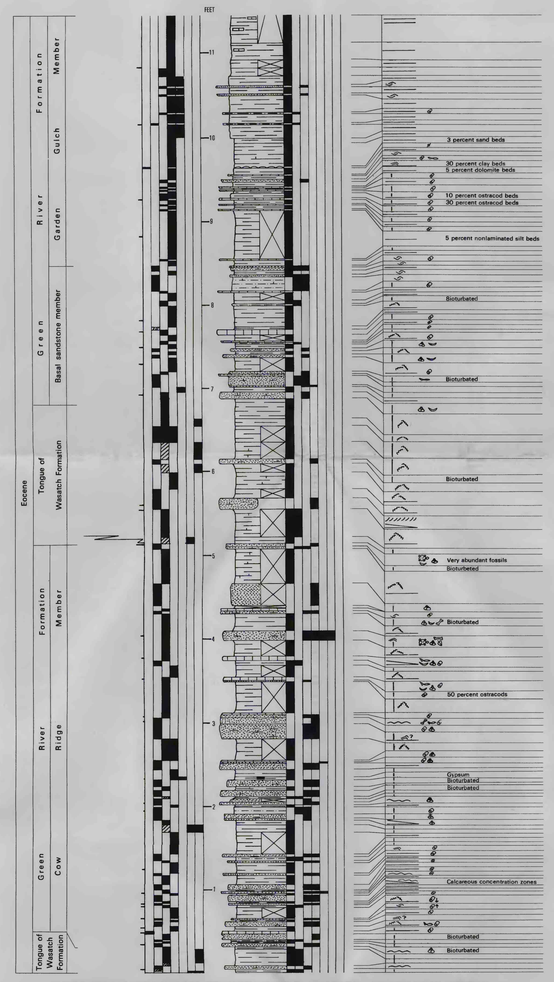


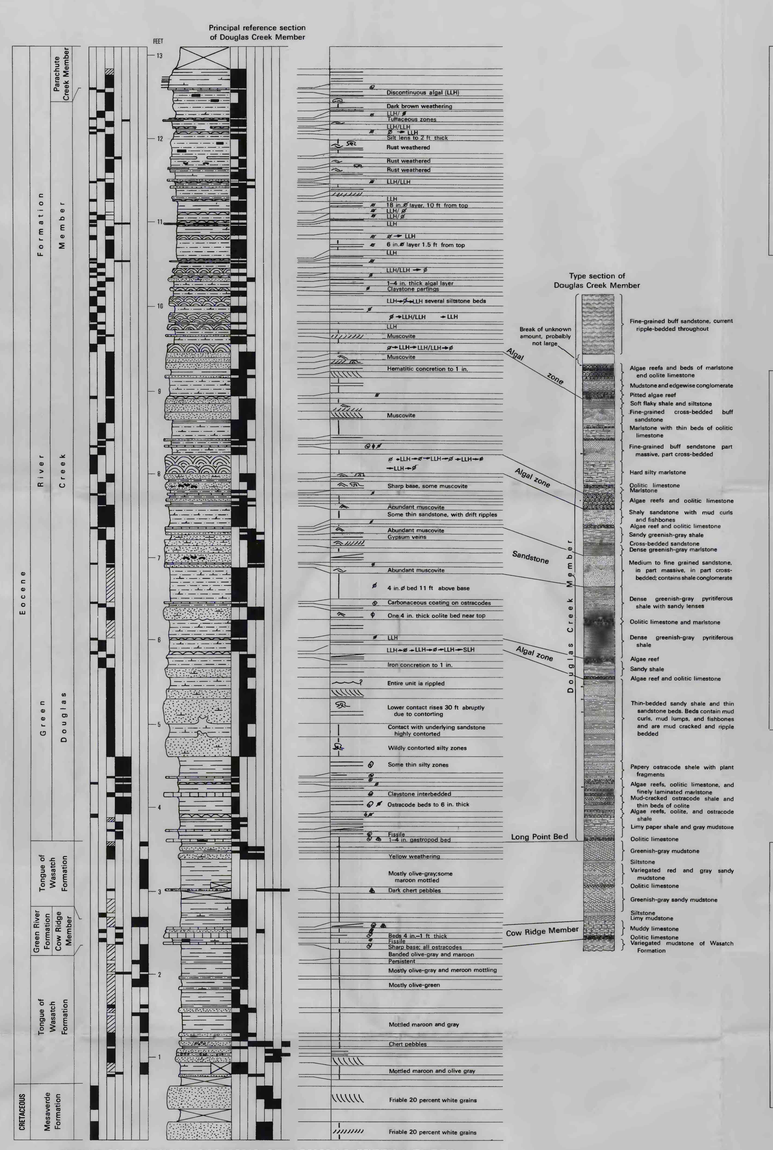
SECTION OF COW RIDGE MEMBER AT FLETCHER GULCH, SECS. 3, 10, 11, 14, T. 1 N., R. 100 W.

(See text fig. 6 for detailed locality map.)



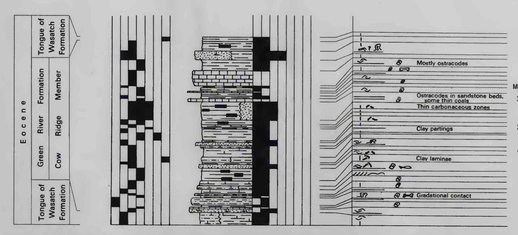
REFERENCE SECTION OF COW RIDGE MEMBER AT YELLOW CREEK, SEC. 9, 10, T. 2 N., R. 98 W.

(See text fig. 7 for detailed locality map.)



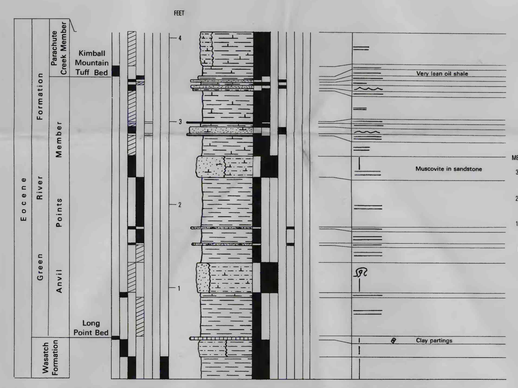
RELATION BETWEEN SECTIONS OF DOUGLAS CREEK MEMBER AND COW RIDGE MEMBER

(See text fig. 8 for detailed locality map of remeasured Douglas Creek section.)



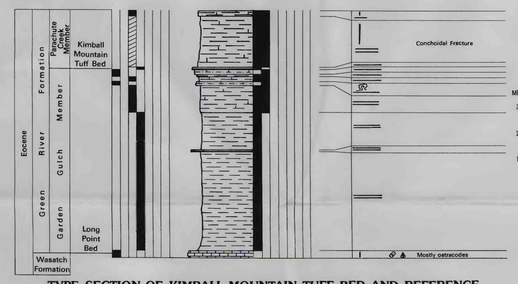
TYPE SECTION OF COW RIDGE MEMBER, SEC. 31, T. 7 S., R. 98 W.

(See text fig. 5 for detailed locality map.)



TYPE SECTION OF LONG POINT BED, SEC. 18, T. 7 S., R. 97 W.

(See text fig. 10 for detailed locality map.)



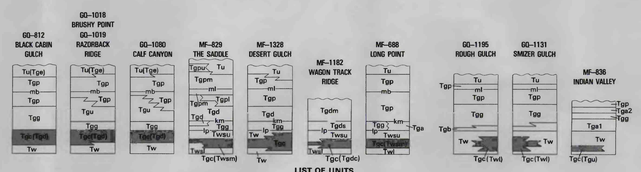
TYPE SECTION OF KIMBALL MOUNTAIN TUFF BED AND REFERENCE SECTION OF LONG POINT BED, SEC. 7, T. 7 S., R. 98 W.

(See text fig. 11 for detailed locality map.)

EXPLANATION

OTHER FEATURES

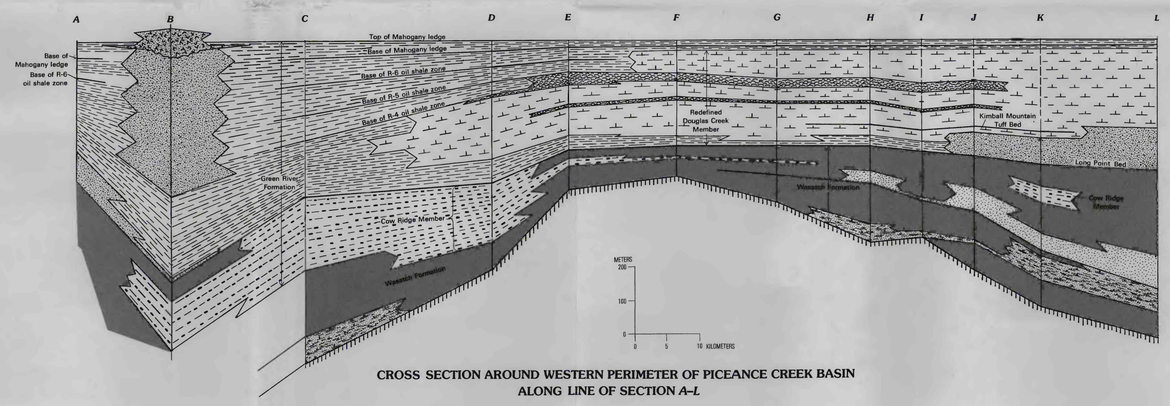
- LLH — Laterally linked hemispheroids
- SLH — Space-linked hemispheroids (stromatolites)
- LLH→SLH — Laterally linked hemispheroids grading up into space-linked hemispheroids
- SLH/LLH — Space-linked hemispheroids with laterally linked hemispheroids on a microscale
- t — Tuff



LIST OF UNITS

Tu(Tge)	Uinta Formation (formerly Evacuation Creek Member of Green River Formation)
	Green River Formation
Tgp	Parachute Creek Member
Tgpu	Upper part
Tgpm	Middle part
Tgpl	Lower part
ml	Mahogany ledge
mb	Mahogany bed
Tgg	Garden Gulch Member
Tgd	Douglas Creek Member
Tgdc	Tongue at Cow Ridge
Tgdm	Muddy facies
Tgds	Sandy facies
Tgc	Cow Ridge Member
Tgu	Unnamed member
km	Kimball Mountain Tuff Bed
lp	Long Point Bed
Tga	Anvil Points Member
Tga2	Unit 2
Tga1	Unit 1
Tgb	Basal sandstone member
Tw	Wasatch Formation
Twl	Lacustrine unit
Tws	Shire Member
Twsu	Upper part
Twsm	Middle part
Twsl	Lower part

SECTIONS FROM PUBLISHED MAPS SHOWING STRATIGRAPHIC INTERVAL OCCUPIED BY COW RIDGE MEMBER (STIPPLED)



CROSS SECTION AROUND WESTERN PERIMETER OF PICEANCE CREEK BASIN ALONG LINE OF SECTION *A–L*

LITHOLOGY

- OFFSHORE LACUSTRINE—Marlstone and oil shale
- CALCAREOUS MARGINAL LACUSTRINE—Calcareous mudstone with oolitic, ostracodal, and algal, limestone and minor sandstone and siltstone
- SANDY MARGINAL LACUSTRINE—Calcareous mudstone with sandstone, siltstone, and minor limestone
- STROMATOLITE—Mostly stromatolites with some sandstone, mudstone, and oolitic and ostracodal limestone
- FRESH-WATER LACUSTRINE—Low-grade oil shale, carbonaceous shale, sandstone, siltstone, ostracod and mollusc-bearing limestone
- PALUDAL—Mostly carbonaceous shale and coal
- FLUVIAL SAND—Nonpersistent sandstone and variegated mudstone
- ALLUVIAL—Mostly variegated mudstone with some nonpersistent sandstone
- VOLCANO-CLASTIC SANDSTONE AND MUDSTONE
- ZONE OF INTENSE WEATHERING

EXPLANATION

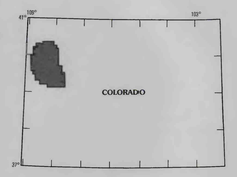
MEASURED SECTIONS

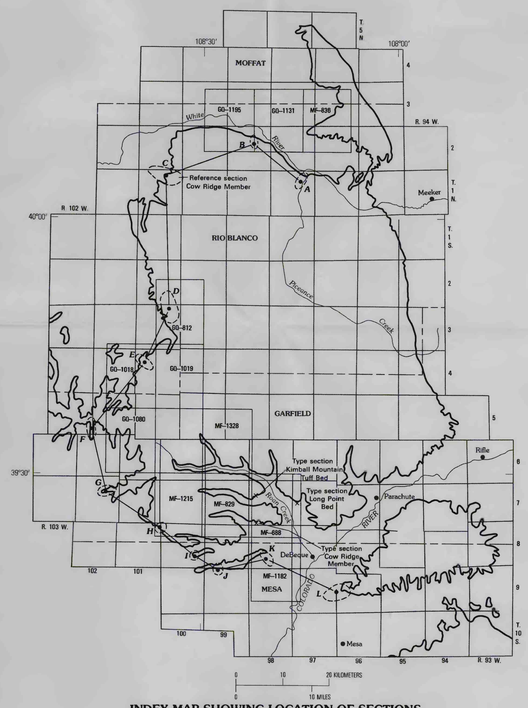
- BASE OF GREEN RIVER FORMATION
- A B LINE OF SECTION
- LOCATION AND EXTENT OF MEASURED SECTION
- × LOCATION OF TYPE SECTION

SECTION	LOCATION	REFERENCE
A	Secs. 2, 11, 14, T. 1 N., R. 97 W.	Pipiringos and Johnson (1976)
B	Secs. 9, 10, 15, T. 2 N., R. 98 W.	Present report and R. C. Johnson (unpub. data)
C	Secs. 3, 4, 10, 11, 12, 14, T. 1 N., R. 100 W.	Present report and R. C. Johnson (unpub. data)
D	Sec. 34, T. 2 S., R. 100 W.,	Brobst and Tucker (1973),
	Secs. 3, 4, 10, 11, T. 3 S., R. 100 W.	Cashion and Roehler (1975)
E	Secs. 7, 17, 18, T. 4 S., R. 100 W.	Roehler (1972a)
F	Sec. 30, T. 5 S., R. 101 W.,	Present report
	Secs. 25, 36, T. 5 S., R. 102 W.	
G	Secs. 11, 12, 14, T. 7 S., R. 102 W.	R. C. Johnson (unpub. data)
H	Sec. 6, T. 8 S., R. 100 W.,	Johnson and May (1978)
	Secs. 1, 12, T. 8 S., R. 101 W.	
I	Secs. 22, 23, 27, T. 8 S., R. 100 W.	Johnson and May (1978)
J	Secs. 32, 33, T. 8 S., R. 99 W.,	Johnson and May (1978)
	Sec. 5, T. 9 S., R. 99 W.	
K	Secs. 21, 27, 28, T. 8 S., R. 98 W.	Johnson and May (1978)
L	Secs. 17, 18, 19, T. 9 S., R. 96 W.,	Johnson and May (1978)
	Secs. 22, 23, 26, T. 9 S., R. 97 W.	

PUBLISHED MAPS

MAP NO.	QUADRANGLE NAME	REFERENCE
GO–1195	Rough Gulch	Hail (1974)
GO–1131	Smizer Gulch	Hail (1973)
MF–836	Indian Valley	Pipiringos and Rosenlund (1977)
GO–812	Black Cabin Gulch	Cashion (1969)
GO–1018	Brushy Point	Roehler (1972a)
GO–1019	Razorback Ridge	Roehler (1972b)
GO–1080	Calf Canyon	Roehler (1973)
MF–1328	Desert Gulch	Johnson (1981)
MF–1215	Middle Dry Fork	Johnson (1980)
MF–829	The Saddle	Johnson (1977)
MF–688	Long Point	Johnson (1975)
MF–1182	Wagon Track Ridge	Johnson and Douglas (1980)





INDEX MAP SHOWING LOCATION OF SECTIONS

MEASURED SECTIONS AND CROSS SECTION OF UNITS IN THE LOWER PART OF THE GREEN RIVER FORMATION, PICEANCE CREEK BASIN, COLORADO