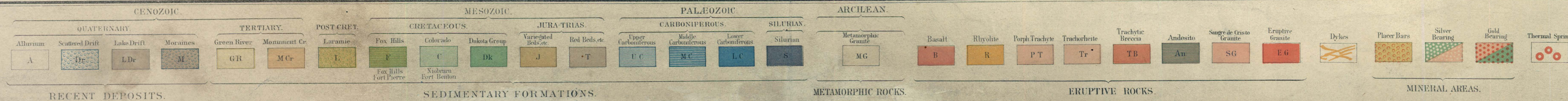


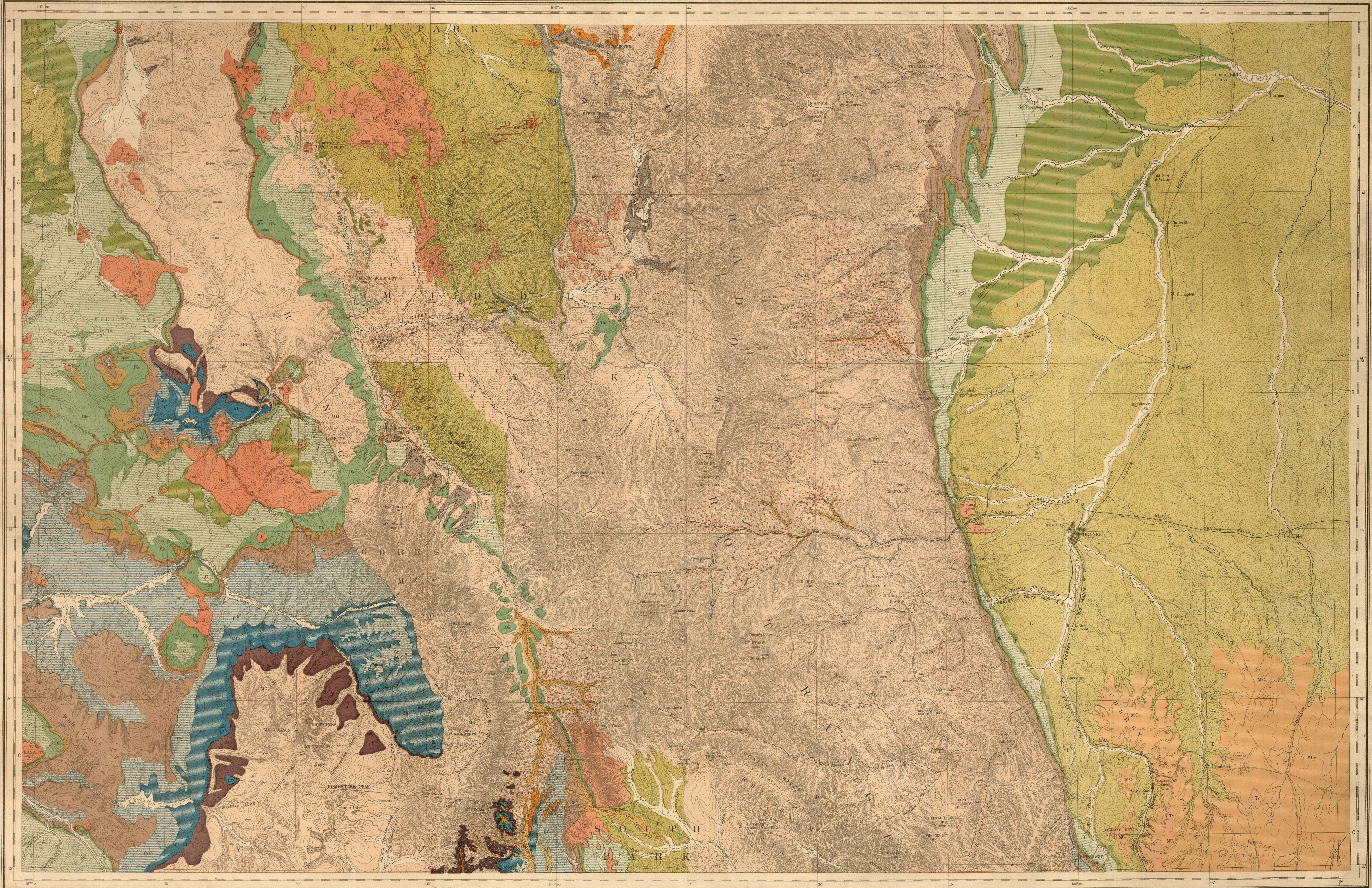
SURVEYED IN 1873-74 & 75



F. M. Endlich, A. C. Peale and W. H. Holmes, Geological Assistants.



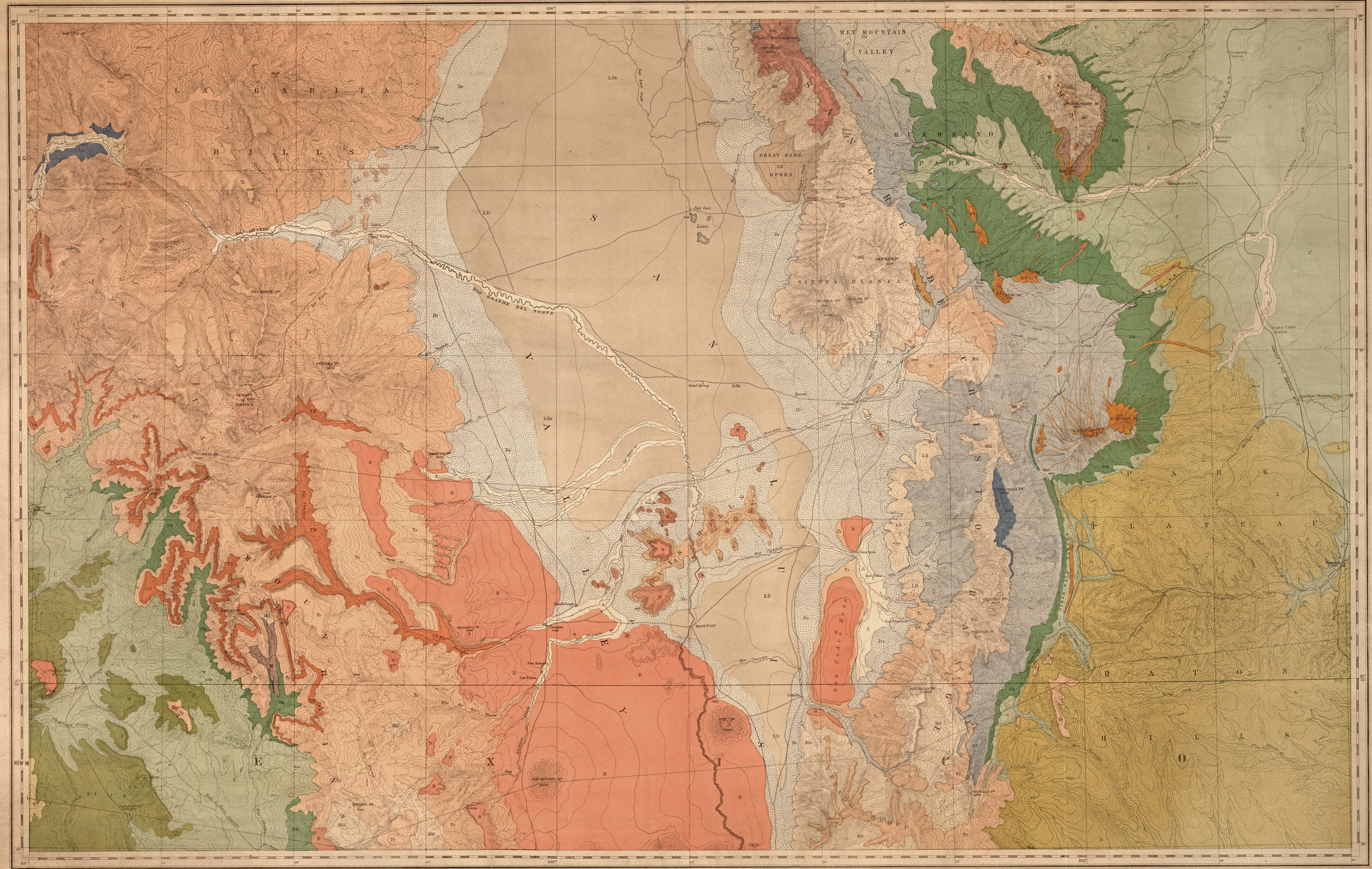
Scale 4 miles to 1 inch or 1:23340. Contours 200 feet Vertical Interval.



A. H. Marvine, A. C. Peale, and W. H. Holmes Geological Assistants.

CENOZOIC			MESOZOIC				PALEOZOIC			ARCHEAN.		MINERAL AREAS.														
QUATERNARY.			TERTIARY.		POST CRET.		CRETACEOUS.				CARBONIFEROUS.			SILURIAN.												
RECENT DEPOSITS.			SEDIMENTARY FORMATIONS.		METAMORPHIC ROCKS.				ERUPTIVE ROCKS.																	
Alluvium	Scattered Drift	Moraines	Uta	Monument Cr.	Laramie	Fox Hills	Colorado	Dakota Group	Jurassic / Variegated Beds	Trias.	Bed Beds, etc.	Upper Carboniferous	Middle Carboniferous	Lower Carboniferous	Silurian	Metamorphic Granite	Basalt	Doleritic Breccia	Rhyolite	Porph. Trachyte	Tschakofite	Dykes	Fluorite	Silver Bearing	Gold Bearing	Thermal Springs
A	Dr	Ms	U	McCr	L	F	C	Dk	J	T	Uc	M	L	S	MG	B	B-B	R	P-T	Tr	Di	Fl	S	G	TS	

Scale 4 miles to 1 inch or 1:253440  
Contours 200 feet Vertical Interval

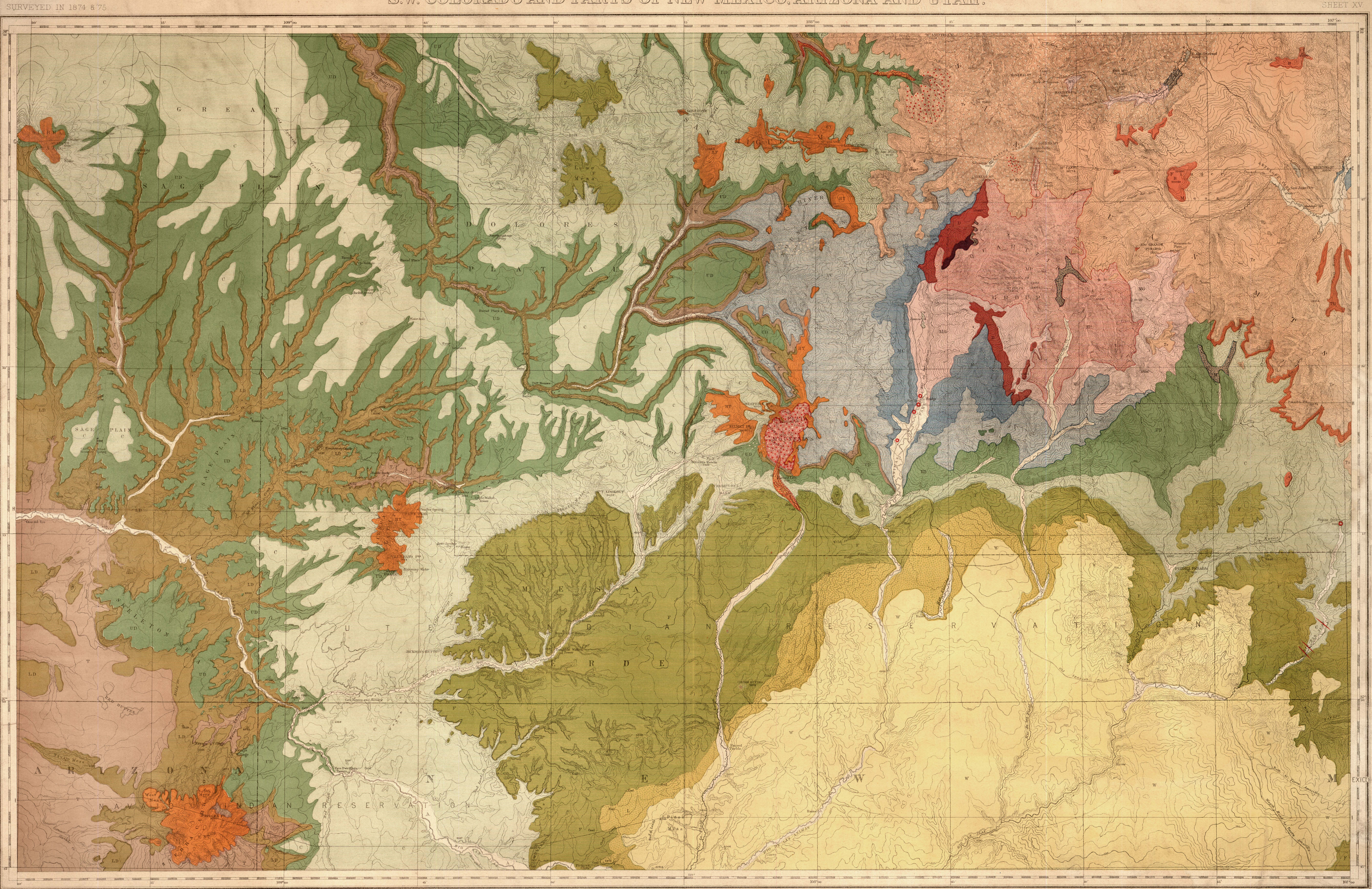


F. M. Endlich, Geological Assistant

QUATERNARY				TERTIARY		POST CRET.		MESOZOIC				PALEOZOIC		ARCHEAN	ERUPTIVE ROCKS								MINERAL AREAS					
RECENT DEPOSITS				TERTIARY		POST CRET.		CRETACEOUS				JURA-TRIAS.		PALEOZOIC		ARCHEAN	ERUPTIVE ROCKS								MINERAL AREAS			
Altuvium	Sand Dunes	Scamond Drift	Lake Drift	Lake Basin	Moraines	Green River	Wahatch	Laramie	Fox Hills	Colorado	Dakota Group	Wagonwheel Ledge	Red Beds	UC	LC	MG	Basalt	Porphyritic Granite	Trachyte	Trachyte	Sandy Granite	Dikes	Placer Bars	Gold Bearing	Thermal Springs			
A	SD	Dr.	LDr.	LB	M	GR	W	L	F	C	Dk	J	T	UC	LC	MG	B	HT	Tr.	TB	SG							

Scale 4 miles to 1 inch or 1" = 23440  
Contours 200 feet Vertical Interval

U.S. GEOLOGICAL SURVEY OF THE TERRITORIES, F.V. HAYDEN IN CHARGE.  
 S.W. COLORADO AND PARTS OF NEW MEXICO, ARIZONA AND UTAH.



W. H. Holmes and F. M. Endlich, Geological Assistants.

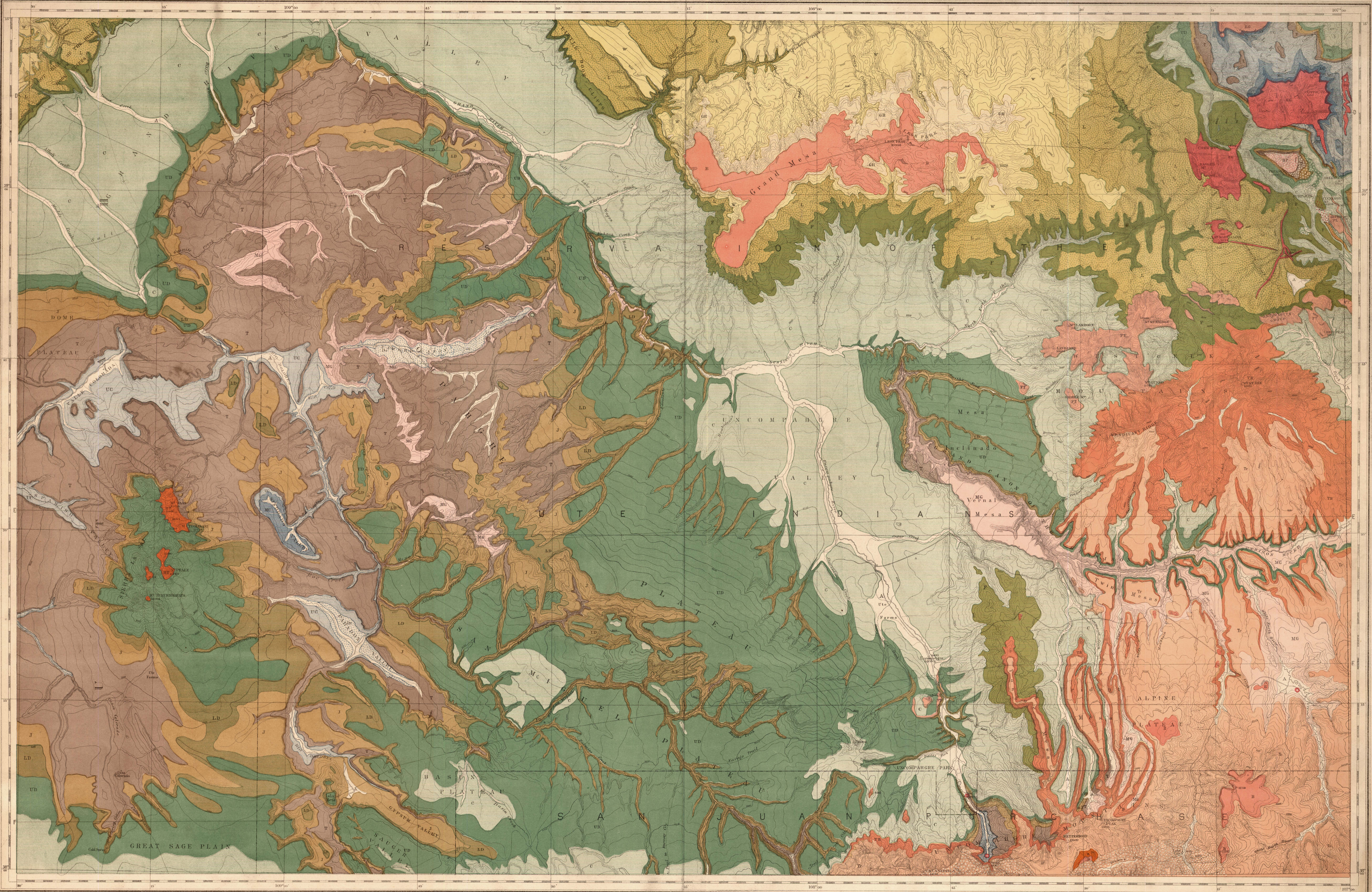
CENOZOIC		MESOZOIC				PALEOZOIC		ARCHAIC		ERUPTIVE ROCKS		MINERAL AREAS											
QUATERNARY		TERTIARY POST-CRET.		CRETACEOUS		JURA TRIAS		CARBONIFEROUS		DEVONIAN		SILURIAN											
Alluvium	Moraines	Wasatch	Laramie	Fort Hills	Colorado	Upper Dakota	Lower Dakota	Unconformable	Red Beds	Carboniferous	Devonian	Silurian	Metamorphic Palaeozoic	Metamorphic Granite	Basalt	Porphyry (Borax)	Trachyte	Trochite	Dykes	Fluorite	Silver Bearing	Gold Bearing	Thermal Springs
A	M	W	L	FH	C	U.D.	L.D.	J	T	U.C.	D	S	MP	MG	B	HT	Tr	TB	D	F	S	G	TS
RECENT DEPOSITS.				SEDIMENTARY FORMATIONS.						METAMORPHIC ROCKS.		ERUPTIVE ROCKS.		MINERAL AREAS.									

Scale 4 miles to 1 inch or 1:53840.  
 Contours 200 feet Vertical Interval.

# WESTERN COLORADO AND PART OF UTAH.

SURVEYED IN 1874-'75 & '76

SHEET XIV



A. C. Peale and Wm. H. Holmes, Geological Assistants.

CENOZOIC				MESOZOIC				PALAEZOIC				ARCHAIC															
QUATERNARY		TERTIARY		CRETACEOUS		JURA-TRIAS		CARBONIFEROUS		SILURIAN		ARCHAIC															
Alluvium	Scattered Debris	Green River	Wasatch	Laramie	Fort Hills	Colorado	Upper Dakota	Lower Dakota	Unstratified Bed. etc.	Red Bed. etc.	Upper Carboniferous	Middle Carboniferous	Lower Carboniferous	Silurian	Metamorphic Palaeozoic	Metamorphic Granite	Basalt	Trachyte	Porphyritic	Trachytic	Eruptive Granite	Dykes	Fluor Spar	Silver Bearing	Gold Bearing	Thermal Springs	
A	De	GR	W	L	F	C	UD	LD	J	T	UC	MC	LC	S	MP	MG	B	TR	PT	HT	T	EG	D	F	S	G	TS
RECENT DEPOSITS.				SEDIMENTARY FORMATIONS.								METAMORPHIC ROCKS.				ERUPTIVE ROCKS.				MINERAL AREAS.							

Scale 4 miles to 1 inch or 1:253,440  
Contours 200 feet vertical interval.

U.S. GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES, F.V. HAYDEN IN CHARGE.  
 NORTH-WESTERN COLORADO AND PART OF UTAH.

SURVEYED IN 1874 & '76.

SHEET XI

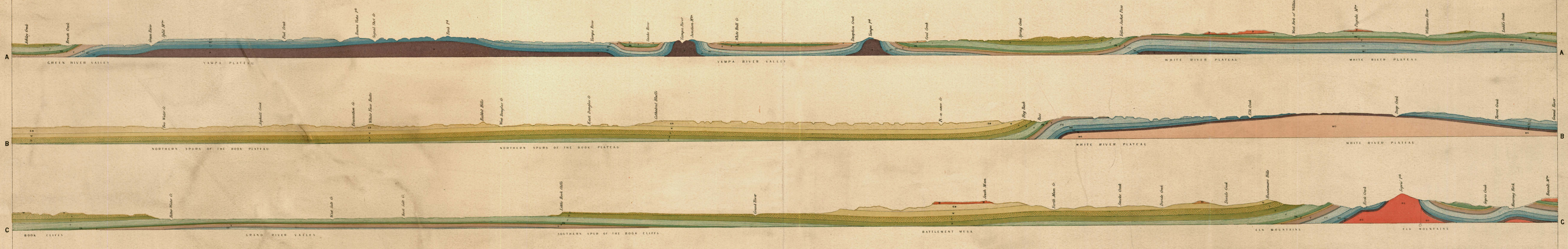


A.R. Marvin, A.C. Peale, F.M. Endlich, and C.A. White, Geological Assistants.

CENOZOIC.				POST CRET.		MESOZOIC.					PALEOZOIC.				ARCHEAN.						
QUATERNARY.		TERTIARY.		Laramie.		CRETACEOUS.			JURA TRIAS.		CARBONIFEROUS.		SILURIAN.		METAMORPHIC ROCKS.						
Albion	Uta	Brider	Green River	Wahatch	Laramie	Fort Hills	Colorado	Dakota Group	Fort Pierre	Fort Pierre	Upper Carboniferous	Middle Carboniferous	Lower Carboniferous	Silurian	Metamorphic Gneiss	Basalt	Porphyry	Eruptive Granite			
A	U	Br	GR	W	L	F	C	DK	J	T	UC	MC	LC	S	MG	B	PT	EG			
RECENT DEPOSITS.					SEDIMENTARY FORMATIONS.										METAMORPHIC ROCKS.				ERUPTIVE ROCKS.		

Scale 4 miles to 1 inch or 1:253,440.  
 Contours 200 feet Vertical Interval.

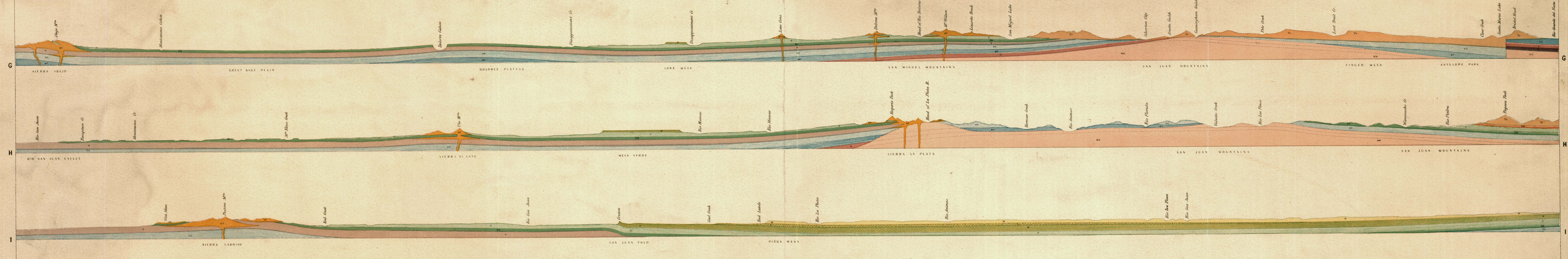
SECTIONS TO ACCOMPANY SHEET XI.



SECTIONS TO ACCOMPANY SHEET XIV.



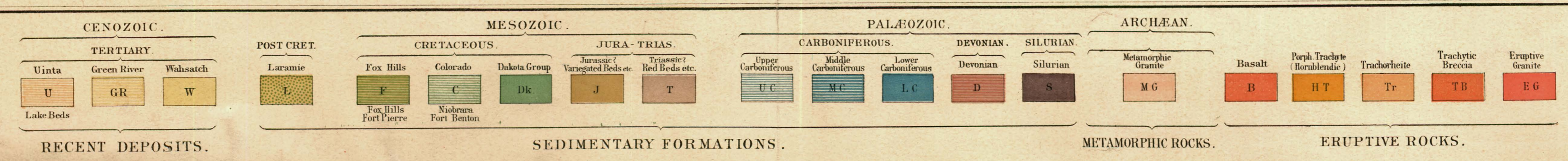
SECTIONS TO ACCOMPANY SHEET XV.



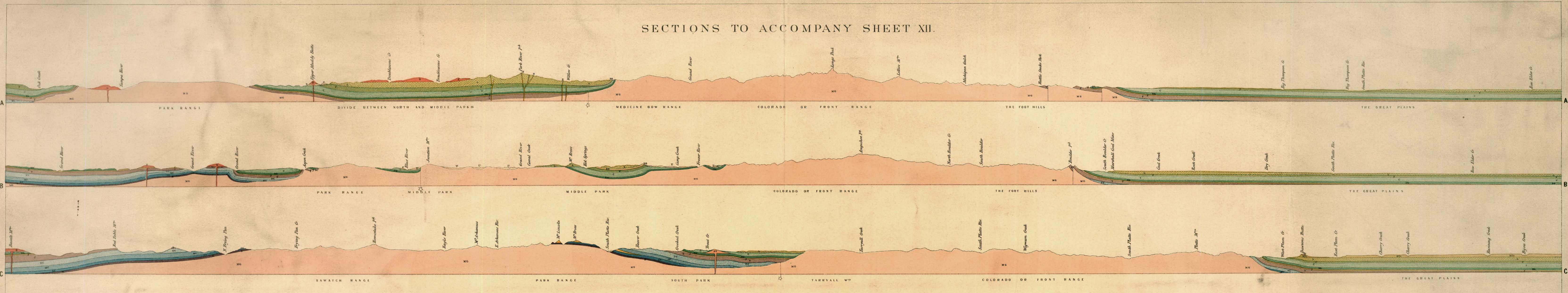
Terminations of Sedimentary Formations are obscure but their character indicates the existence of an ancient shore line.

Dotted lines in the M G show the probable continuation of metamorphosed strata. Some of the thinner formations are slightly exaggerated in thickness.

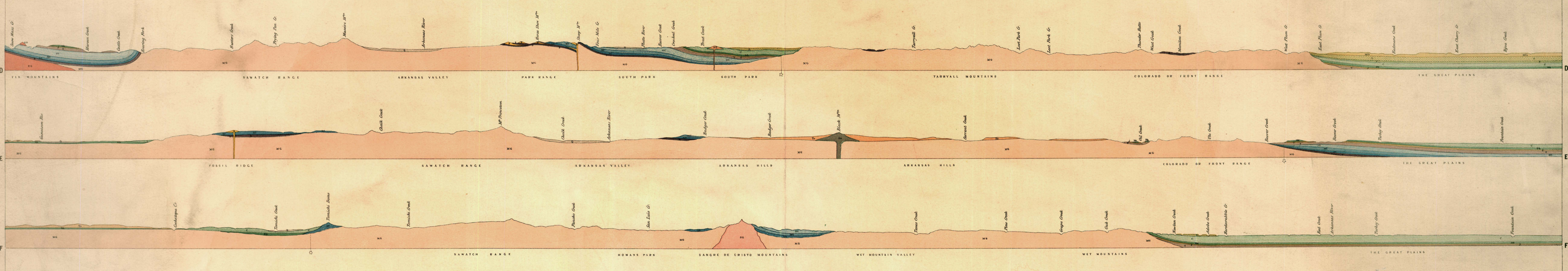
These Sections are continued eastward on sheet XVII. Vertical scale 20000 feet to one inch. Horizontal scale 2170 feet to one inch. Base line of sections represents sea level.



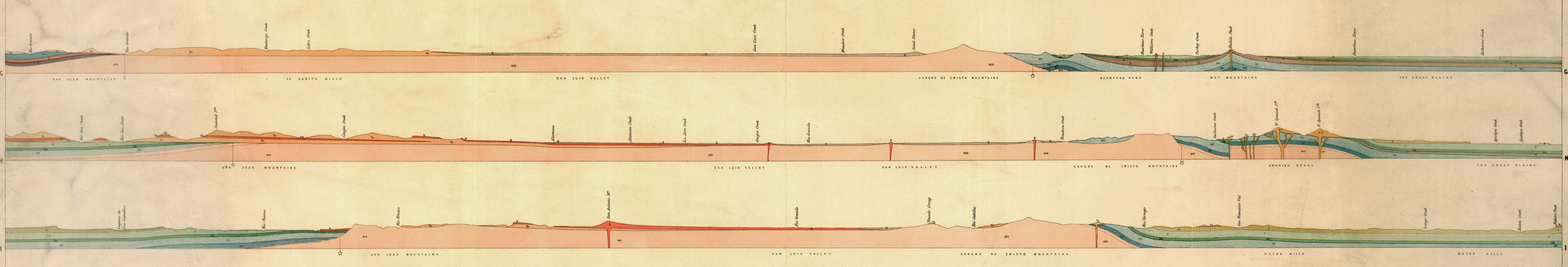
SECTIONS TO ACCOMPANY SHEET XII.



SECTIONS TO ACCOMPANY SHEET XIII.



SECTIONS TO ACCOMPANY SHEET XVI.



Terminations of Sedimentary Formations are obscure but their character indicates the existence of an ancient shore line.

Dotted lines in the M.C. show the probable continuation of metamorphosed strata. Some of the thinner formations are slightly exaggerated in thickness.

These Sections are continued westward on sheet XVI. Vertical scale 20000 feet to one inch. Horizontal scale 2100 feet to one inch. Base line of sections represents sea level.

CENOZOIC.			MESOZOIC.				PALEOZOIC.				ARCHEAN.												
TERTIARY.			CRETACEOUS.				CARBONIFEROUS.		DEVONIAN.		SILURIAN.												
Quaternary Q	Uinia U	Monument Cr. M Cr	Fox Hills F	Colorado C	Dakota Group Dk	Jurassic J	Triassic T	Upper Carboniferous U.C	Middle Carboniferous M.C	Lower Carboniferous L.C	Devonian D	Silurian S	Metamorphic MG	Basalt B	Dalmanite/Beccia DB	Rhyolite R	Porph. Trachyte PT	Porph. Trachyte (Borabindic) HT	Trachyte Tr	Trachytic T.B	Andesite An	Sangre de Cristo Granite SG	Eruptive Granite EG
SEDIMENTARY FORMATIONS.												METAMORPHIC ROCKS.		ERUPTIVE ROCKS.									