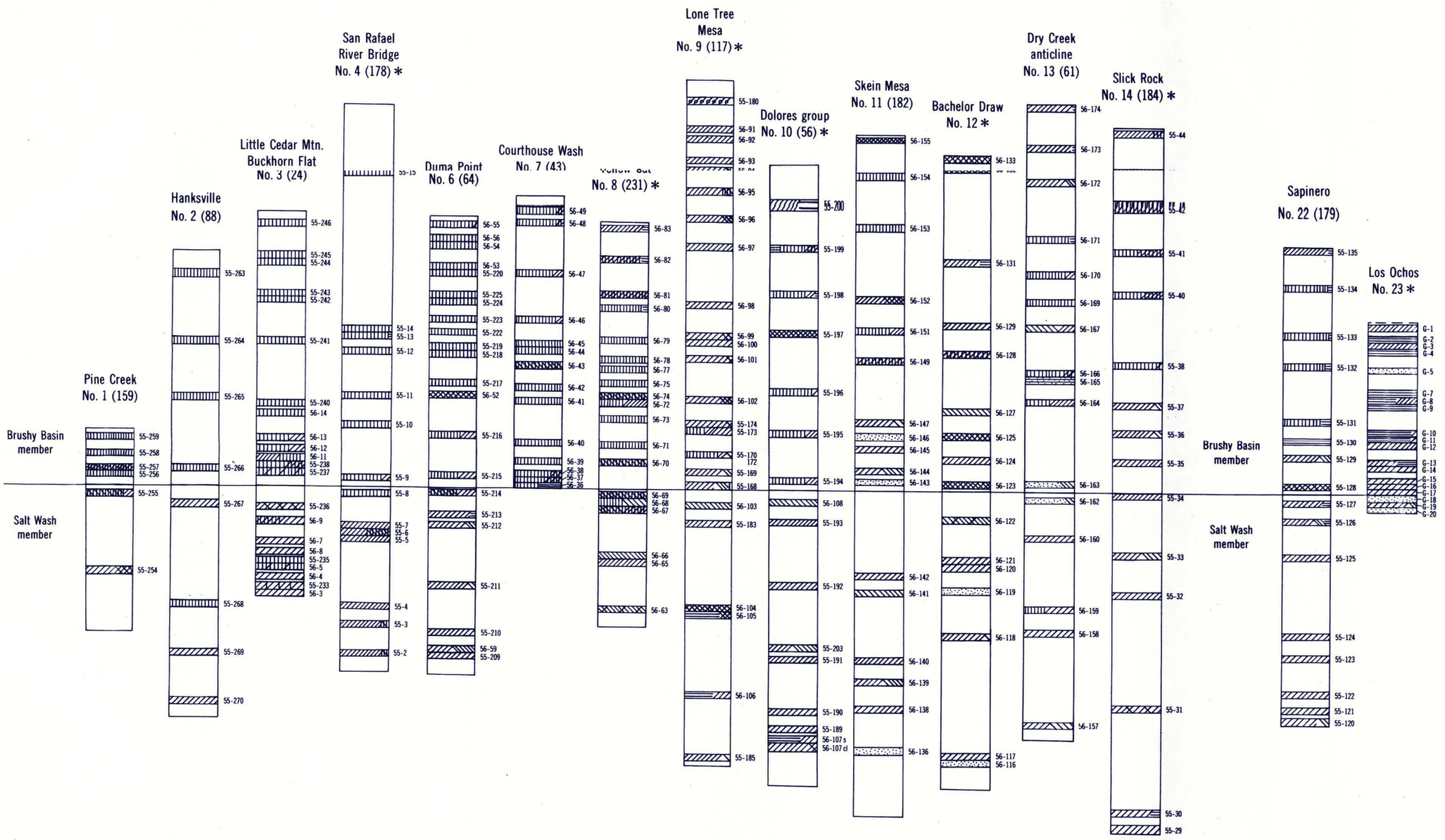
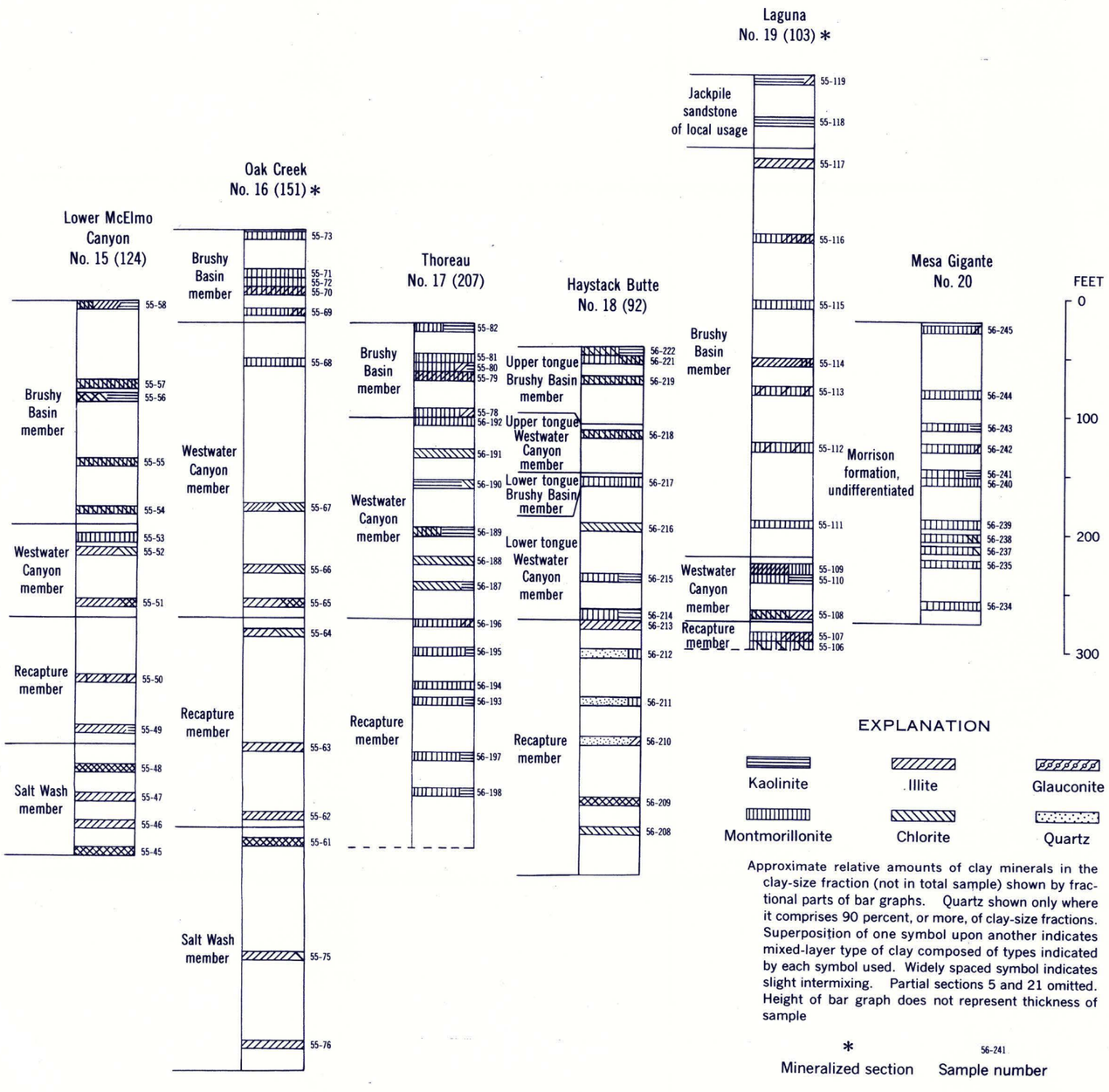




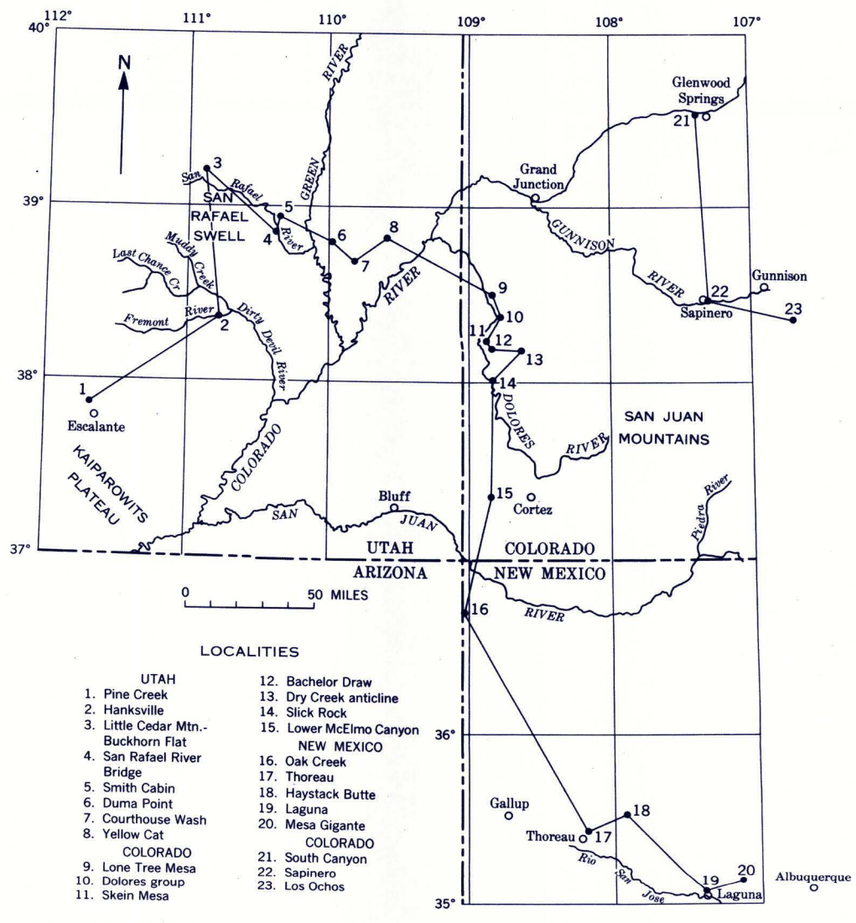
EXPLANATION

Kaolinite · Illite · Glauconite
Montmorillonite · Chlorite · Quartz

Approximate relative amounts of clay minerals in the clay-size fraction (not in total sample) shown by fractional parts of bar graphs. Quartz shown only where it comprises 90 percent, or more, of clay-size fractions. Superposition of one symbol upon another indicates mixed-layer type of clay composed of types indicated by each symbol used. Widely spaced symbol indicates slight intermixing. Partial sections 5 and 21 omitted. Height of bar graph does not represent thickness of sample

* Mineralized section

56-241 Sample number



LOCALITIES

UTAH
1. Pine Creek
2. Hanksville
3. Little Cedar Mtn.-Buckhorn Flat
4. San Rafael River Bridge
5. Smith Cabin
6. Duma Point
7. Courthouse Wash
8. Yellow Cat

COLORADO
9. Lone Tree Mesa
10. Dolores group
11. Skein Mesa
12. Bachelor Draw
13. Dry Creek anticline
14. Slick Rock
15. Lower McElmo Canyon

NEW MEXICO
16. Oak Creek
17. Thoreau
18. Haystack Butte
19. Laguna
20. Mesa Gigante

COLORADO
21. South Canyon
22. Sapinero
23. Los Ochos

INDEX MAP OF PART OF THE COLORADO PLATEAU SHOWING LOCATION OF STRATIGRAPHIC SECTIONS

CLAY MINERALS IN THE STRATIGRAPHIC SECTIONS OF THE MORRISON FORMATION UTAH, COLORADO, AND NEW MEXICO

627535 O - 62 (In pocket)