

## **READ ME - CHEVRON PALEONTOLOGY FILES**

### **LOCATION AND AGE OF FORAMINIFER SAMPLES COLLECTED BY CHEVRON PETROLEUM GEOLOGISTS IN CALIFORNIA**

**By Earl E. Brabb and John M. Parker**

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The following digital files are derived from an estimated 11,000 Chevron slides with foraminifers from 32,733 surface localities in California. Accompanying the slides at the California Academy of Sciences are locality maps, paleontology reports indicating the content and age of the material, card files with the identification of foraminifers in many samples, and residues of the washed material. An additional 807 samples that predate the 11,000 slides are arranged by quadrangle name, letter, and/or number (Chevron data file #5).

#### **EXPLANATION FOR CHEVRON DATA FILE #1**

This Excel file contains information for 32,7331 Chevron surface localities from 451 U.S. Geological Survey (USGS) 7.5' quadrangle maps in California. The file is arranged numerically by locality number. Every surface locality in this file has a slide with foraminifers that has the same number as the number on the locality map.

Column A - The California county in which the foraminifers were collected.

Column B - The name of the current USGS 7.5' quadrangle where the locality occurs.

The original locality map is probably obsolete and may have a different name or a different scale or both.

Column C - Chevron surface locality number. Numbers less than 1100 are generally shown as Roman Numerals on the slides and the locality maps. These numerals are converted into Arabic numbers in this report. Many of the numbers are used for lots in a general area, with as many as 600 sub-lot numbers or several letters.

Column D - Sub-lot number or letter.

Column E - General geographic location within a quadrangle.

Column F - Number on back of each slide indicating original Chevron cabinet and drawer number.

Columns G and H - Miscellaneous information. May indicate which obsolete USGS map was used by Chevron paleontologists to plot the locality.

Column I Zone, series, or age of the foraminifers in the slide. Information may have come from the slide itself, a separate paleontology report, a stratigraphic column, the locality map, or is inferred from a list of species on an index card.

Column J - The principal collector of the foraminifers.

Printing tip: This file will be nearly 900 pages long if it is printed at 65% of the selected font size. If Column J, Collectors, is not needed, the printing range can be set from 1 to 450, or the printing size, font, or letter size can be reduced to save paper.

## **EXPLANATION FOR CHEVRON DATA FILE #2**

This Excel file is the same as for Data File #1, except that it is sorted by USGS 7.5' quadrangle. This file will be useful to anyone wanting to get information about localities in any particular quadrangle.

Column A - The California county in which the foraminifers were collected.

Column B - The name of the current USGS 7.5' quadrangle where the locality occurs.  
The original locality map may have a different name or a different scale or both.

Column C - Chevron surface locality number.

Column D - Sub-lot number or letter or specific locality number or letter within a lot .

Column E - General geographic location within a quadrangle.

Column F - Number on back of each slide indicates original Chevron cabinet and drawer number.

Columns G and H - Miscellaneous information. May indicate which obsolete USGS map was used by Chevron paleontologists to plot the locality.

Column I - Zone, series, or age of the foraminifers on the slide.

Column J - The principal collector of the foraminifers.

Printing tip: This file will be nearly 900 pages long if it is printed at 65% of selected font size. If Column J, Collectors, is not needed, the printing range can be set from 1 to 450, or the printing size, font, or letter size can be reduced to save paper.

## **EXPLANATION FOR CHEVRON DATA FILE #3**

This Excel file was made from all of the numbers shown on the equivalent of nearly 600 Chevron locality maps primarily to determine which numbers are duplicated. Duplicate numbers mean that a decision had to be made as to where the foraminifer slides are located, and this decision could be wrong. The file reduces page numbers substantially by providing a summary of the sub-lot numbers and letters to provide easier access to the basic information. The highest number in this set is 44,846, but the numbers in between are not consecutive. Every foraminifer slide was checked with this file and the other data to try to make certain that the slides are correctly located. This file may also be used to find other Chevron data, such as porosity and permeability tests and radiometric dates.

Column A - The California county in which the foraminifers were collected.

Column B - The name of the current USGS 7.5' quadrangle where the locality occurs. The original locality map may have a different name or a different scale or both.

Column C - Chevron surface locality number.

Column D - Sub-lot number or letter within a lot. Note that these numbers and letters are reduced to a single number or letter compared to Data File #1 to save space and make the file easier to use.

Column E - General geographic location within a quadrangle.

Column F - Number on back of each slide indicates original Chevron cabinet and drawer number. This number may change within a lot--see Data File #1.

Columns G and H - Miscellaneous information. May indicate which obsolete USGS map was used by Chevron paleontologists to plot the locality.

Printing tip: This file will be 308 pages long if it is printed at 65% of selected font size. The printing size, font, or letter size can be reduced to save paper.

#### **EXPLANATION FOR CHEVRON DATA FILE #4**

This Excel file is greatly abbreviated from Data File #1 and is intended to show which USGS quadrangles have locality numbers, which ones have foraminifer slides, and the name of obsolete USGS quadrangles on which the localities may be plotted.

Column A - The county in which the foraminifers were collected.

Column B - The name of the current USGS quadrangle where the locality occurs. The original locality map may have a different name or a different scale or both.

Column C - Number on back of each slide indicates original Chevron cabinet and drawer number. A number in this column indicates that at least one foraminifer slide was received from Chevron.

Column D - Name of at least one of the maps on which localities were originally plotted.

### **EXPLANATION FOR CHEVRON DATA FILE #5**

This Excel file was made from foraminifer slides collected before those in Data File #1, generally in the 1920's. They were originally plotted on now obsolete 1:125,000-scale and 1:62,500-scale USGS quadrangle maps, and then were re-plotted by Chevron staff on more modern quadrangle maps. Their location is shown in this report in relation to current USGS 7.5' quadrangles.

Column A - The California county in which the foraminifers were collected.

Column B - The name of the current USGS 7.5' quadrangle where the locality occurs. The original locality map may have a different name or a different scale or both.

Column C - Chevron surface locality number. Usage not consistent. The general format is a letter followed by a number, but some quadrangles have only numbers.

Column D - General geographic location within a quadrangle.

Column E - Number on back of each slide indicates original Chevron cabinet and drawer number.

Column F - Indicates which obsolete USGS map was used by Chevron for plotting the locality. Map boundaries of these older quadrangles may not coincide with a modern quadrangle having the same name.

Column G - Miscellaneous information.

Column H - Zone, series, or age of the foraminifers in the slide. Information may have come from the slide itself, a separate paleontology report, a stratigraphic column, the locality map, or is inferred from a list of species on an index card.