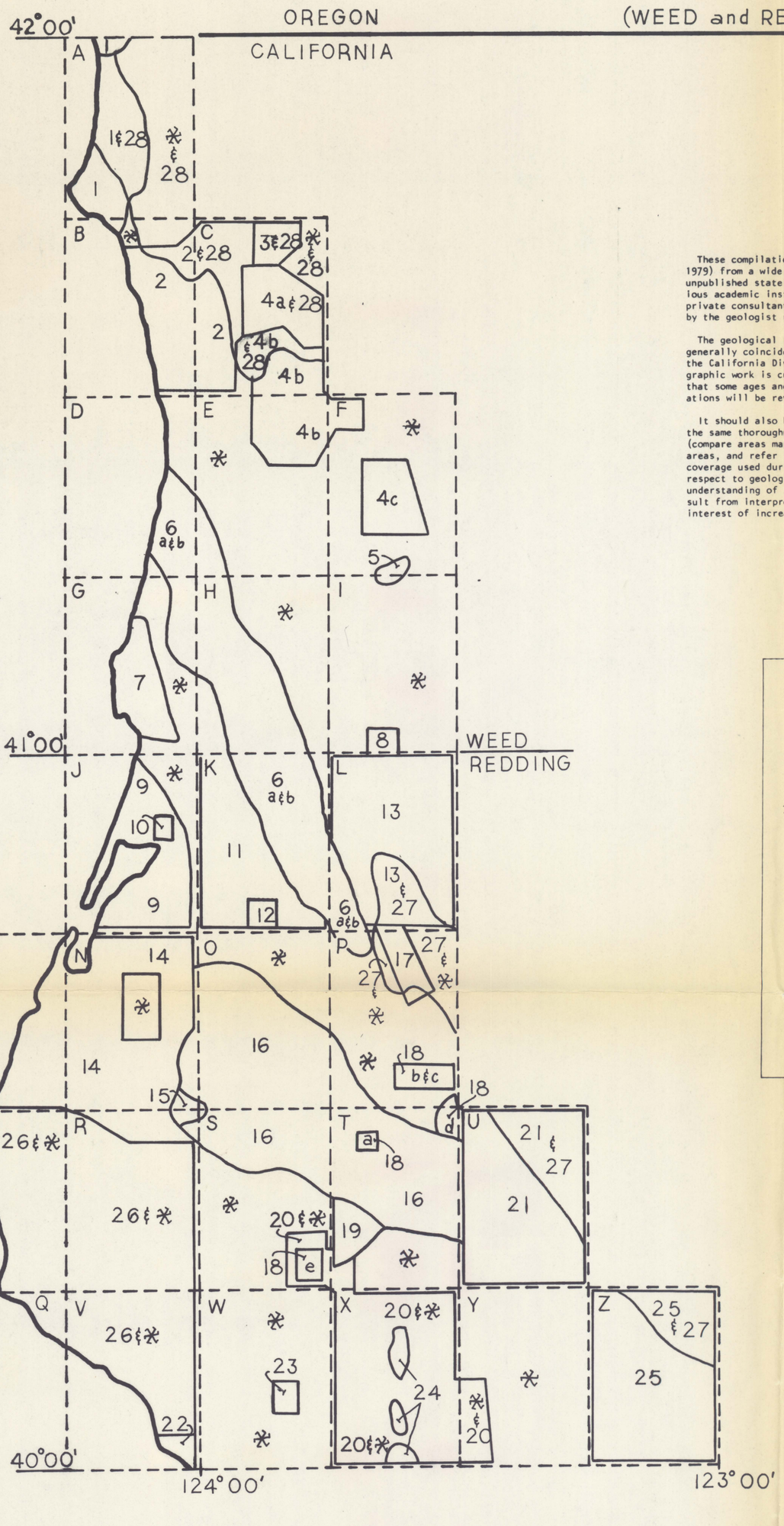
INDEX TO GEOLOGIC MAPPING

(WEED and REDDING SHEETS-C.D.F. REGION 1)



These compilations were developed over a 1-year period (October 1978-October 1979) from a wide variety of sources; including state and federal publications, unpublished state and federal open-file reports, unpublished theses from various academic institutions, unpublished mapping and personal communication from private consultants, and original fieldwork and aerial photograph interpretation by the geologist responsible for the compilations.

The geological interpretations and descriptions of units that have been used generally coincide with current concepts used by the U.S. Geological Survey and the California Division of Mines and Geology. However, structural and stratigraphic work is currently being carried out in several areas, and it is expected that some ages and formational boundaries that have been used in these compilations will be revised.

It should also be noted that not all areas have been uniformly mapped with the same thoroughness or intensity, especially with respect to landslide data (compare areas mapped by Nolan et.al. 1976, or Jacks 1972-73 with bordering areas, and refer to the aerial photo index map for the limits of the U-2 photo coverage used during this project). Thus, comparisons between areas, with respect to geological complexity or landform stability should be made with an understanding of these limitations. Variations from the cited source data result from interpretations and opinions of the compiling geologist or in the interest of increased map legibility.

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GEOLOGIST, TITLE II GEOLOGIC DATA COMPILATION PROJECT

EXPLANATION OF GEOLOGIC MAP SYMBOLS

- GEOLOGICAL CONTACT: DASHED WHERE APPROXIMATE, DOTTED WHERE CONCEALED
- LOCATION OR EXISTENCE OF CONTACT IS QUESTIONABLE
- FAULT: DASHED WHERE APPROXIMATE, DOTTED WHERE CONCEALED
- THRUST FAULT: BARBS INDICATE UPPER PLATE
- LOCATION OR EXISTENCE OF FAULT IS QUESTIONABLE
- PROPOSED CONTACT OR FAULT: MAPPED FROM AERIAL PHOTOGRAPH
- FAULT SEGMENT WITH EVIDENCE OF QUATERNARY MOVEMENT
- LANDSLIDES: MAPPED FROM AERIAL PHOTOGRAPH DURING THIS PROJECT
  - UNDIFFERENTIATED LANDSLIDE
  - LANDSLIDE (ROTATIONAL)
  - DEBRIS SLIDE
  - EARTH FLOW

  (ARROWS SHOW DIRECTION OF MOVEMENT)
- 12 STRIKE AND DIP OF BEDDING
- 85 OVERTURNED BEDDING
- 6 STRIKE AND DIP OF FOLIATION
- CRUMPLED FOLIATION
- AXIS OF ANTICLINE
- AXIS OF SYNCLINE
- SHEAR ZONE
- MAPPING BOUNDARY BETWEEN DIFFERENTIATED AND UNDIFFERENTIATED EQUIVALENT ROCKS

15' QUADRANGLES

WEED SHEET

- A: Crescent City
- B: Klamath
- C: Ship Mountain
- D: Orick
- E: Tectah Creek
- F: Orleans
- G: Trinidad
- H: Coyote Peak
- I: Hoopa

REDDING SHEET

- J: Eureka
- K: Blue Lake
- L: Willow Creek•
- M: Ferndale
- N: Fortuna
- O: Iaqua Buttes
- P: Pilot Creek
- Q: Cape Mendocino
- R: Scotia
- S: Weott
- T: Blocksburg
- U: Pickett Peak•
- V: Point Delgada
- W: Garberville
- X: Alderpoint
- Y: Kettenpom•
- Z: Black Rock Mountain•

• QUADRANGLES NOT PHOTO-INTERPRETED FOR LANDSLIDES DURING THIS PROJECT

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   a). Larabee Valley Damsite, South Fork Van Duzen River, plates 35 & 36.
   b). Anderson Ford Damsite, Mad River, plate 39.
   c). Southfork Tunnel, Pilot Creek Alignment, plate 41.
   d). Southfork Tunnel, Sulphur Glade Alignment, plate 42.
   e). Sequoia Damsite, Eel River, plate 44.
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