

Legend

- ==== Railroad
- Major Highway
- Major Tributary
- Tehama West Watershed

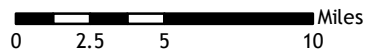
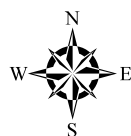
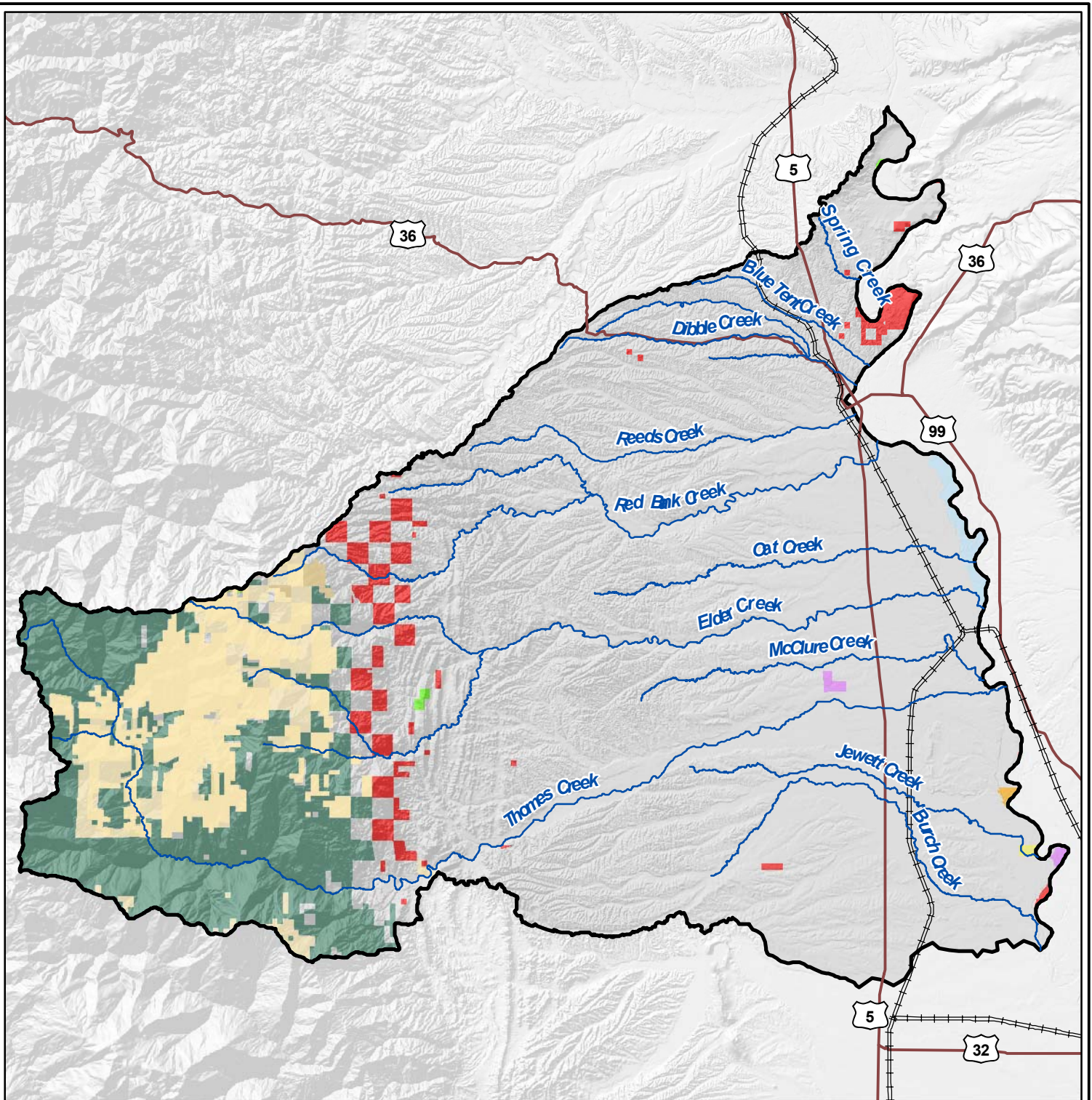


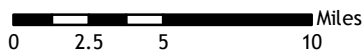
FIGURE 1
WATERSHED BOUNDARY
TEHAMA WEST WATERSHED ASSESSMENT





Legend

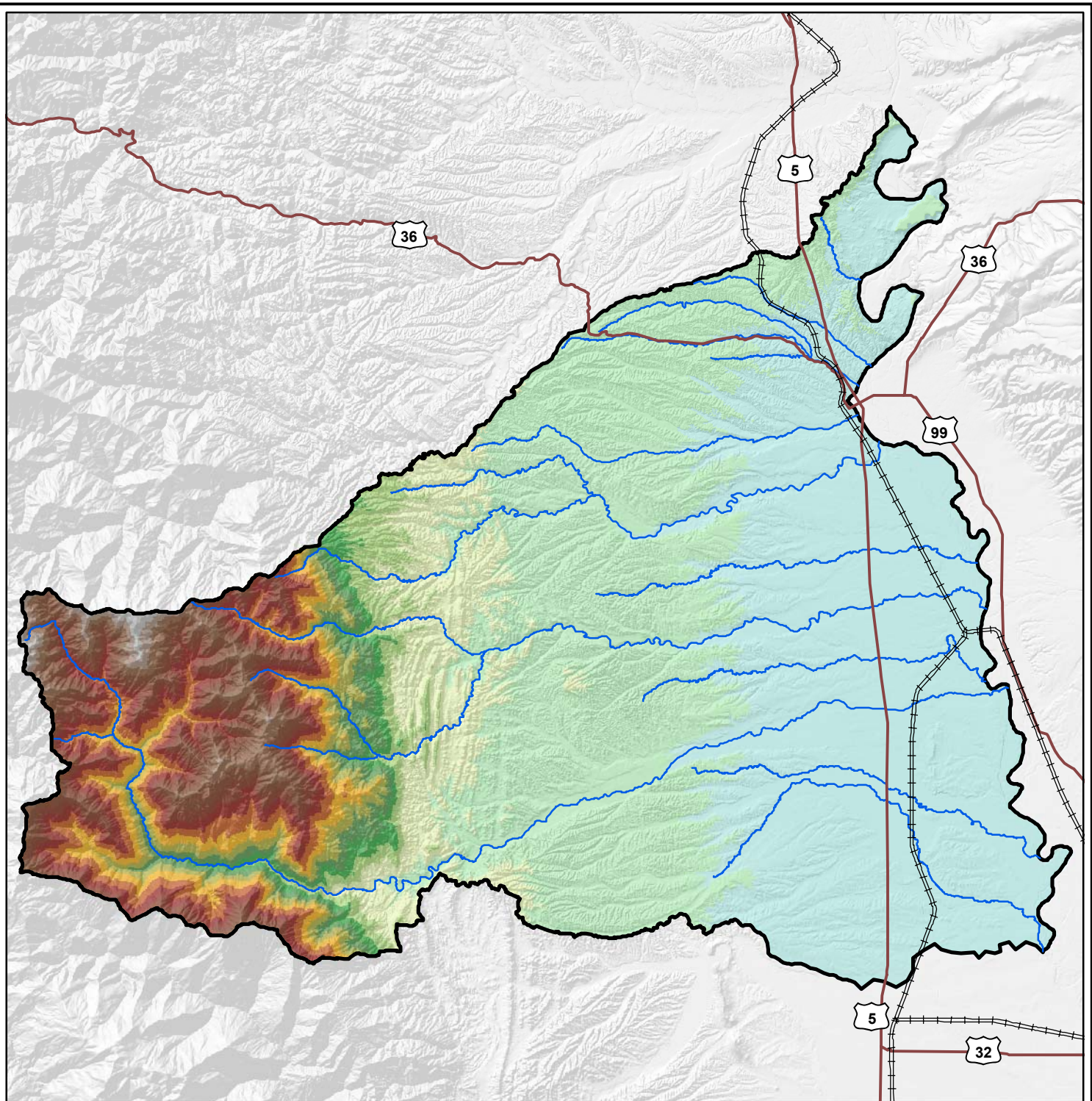
- | | | |
|-------------------------|---|--|
| ==== Railroad | ■ Bureau Of Land Management (14,745 acres) | ■ US Fish and Wildlife Service (2767 acres) |
| — Major Highway | ■ CA Dept of Fish and Game (760 acres) | ■ USDA Forest Service (83,826 acres) |
| — Major Tributary | ■ CA Dept of Parks and Recreation (260 acres) | ■ Private (508,592 acres) |
| □ Tehama West Watershed | ■ Department of Defense (27 acres) | ■ Crane Mills (55,530 acres) |
| | ■ State Lands Commission (410 acres) | ■ Sierra Pacific Ind. (1,001 acres) |
| | ■ The Nature Conservancy (250 acres) | |



**FIGURE 2
OWNERSHIP**

TEHAMA WEST WATERSHED ASSESSMENT





Legend

- | | | | |
|-----------------------|--------------------|--------------------|--------------------|
| Railroad | 500 feet | 3,001 - 3,500 feet | 6,001 - 6,500 feet |
| Major Highway | 501 - 1,000 feet | 3,501 - 4,000 feet | 6,501 - 7,000 feet |
| Major Tributary | 1,001 - 1,500 feet | 4,001 - 4,500 feet | 7,001 - 7,500 feet |
| Tehama West Watershed | 1,501 - 2,000 feet | 4,501 - 5,000 feet | 7,501 - 8,000 feet |
| | 2,001 - 2,000 feet | 5,001 - 5,500 feet | 8,001 - 8,500 feet |
| | 2,501 - 3,000 feet | 5,501 - 6,000 feet | |

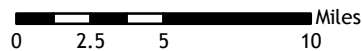


FIGURE 3
ELEVATION BANDS
 TEHAMA WEST WATERSHED ASSESSMENT



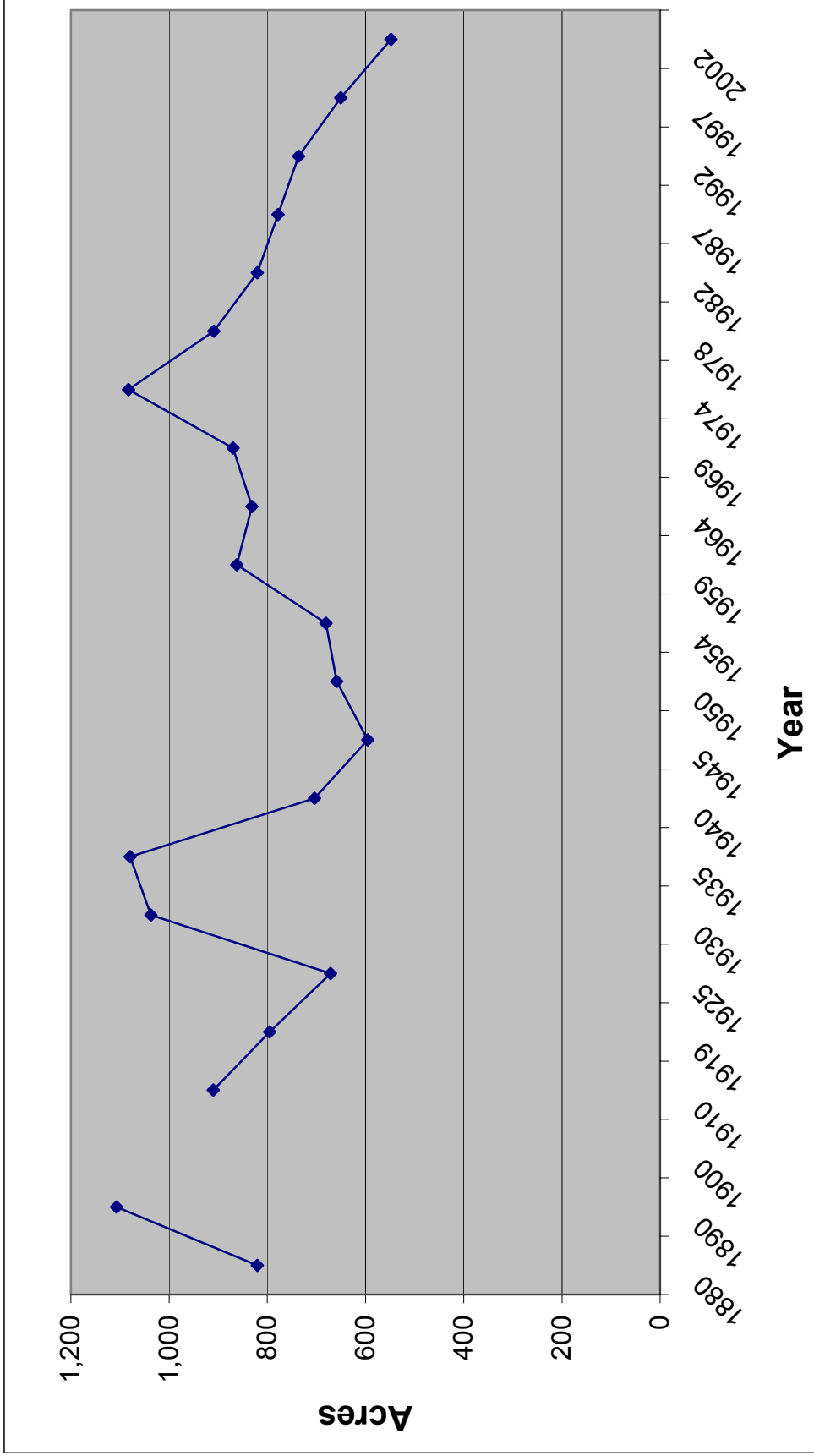


FIGURE 4
 AVERAGE FARM SIZE, 1880-2002
 TEHAMA WEST WATERSHED ASSESSMENT



SOURCE: NATIONAL AGRICULTURAL STATISTICS SERVICE

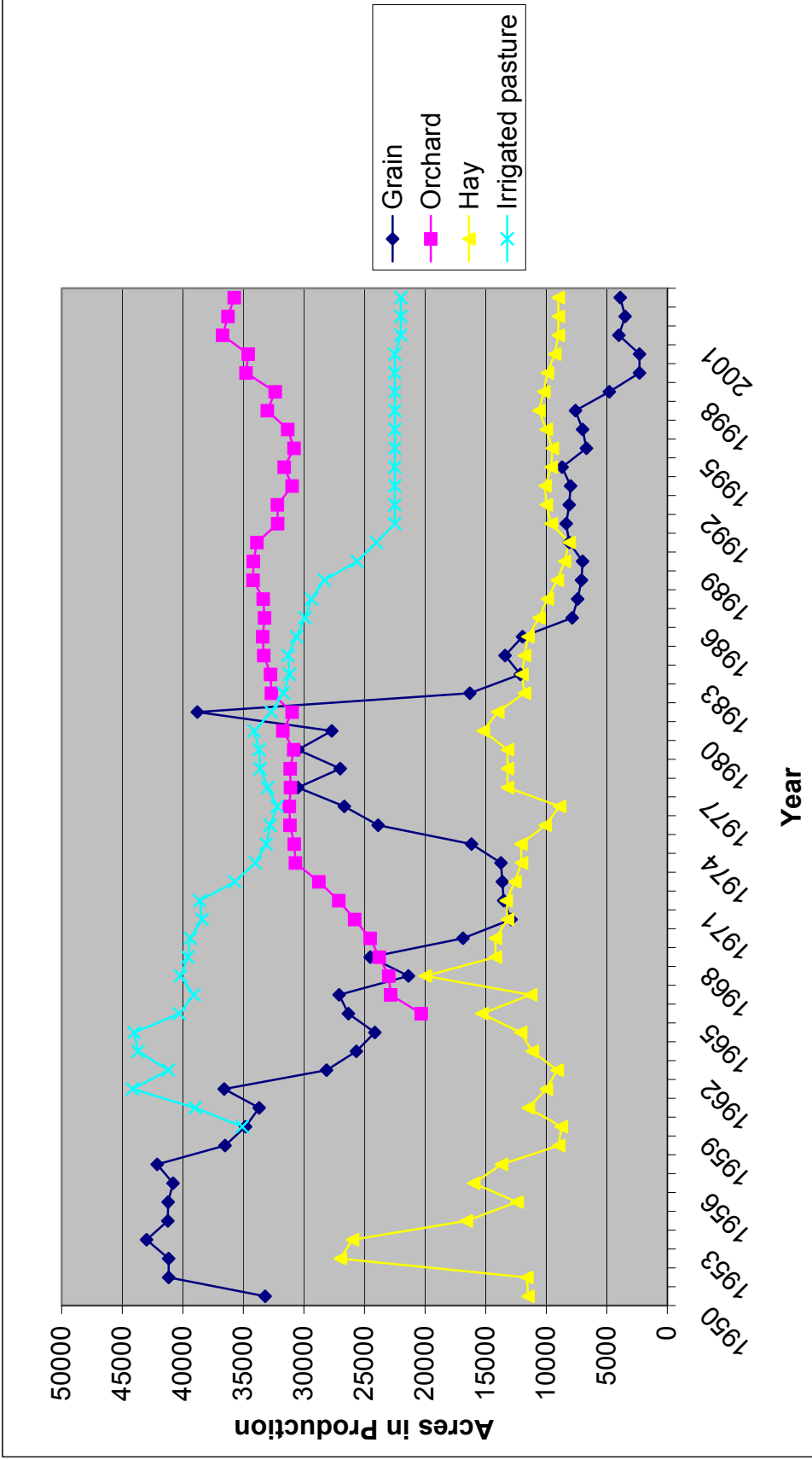
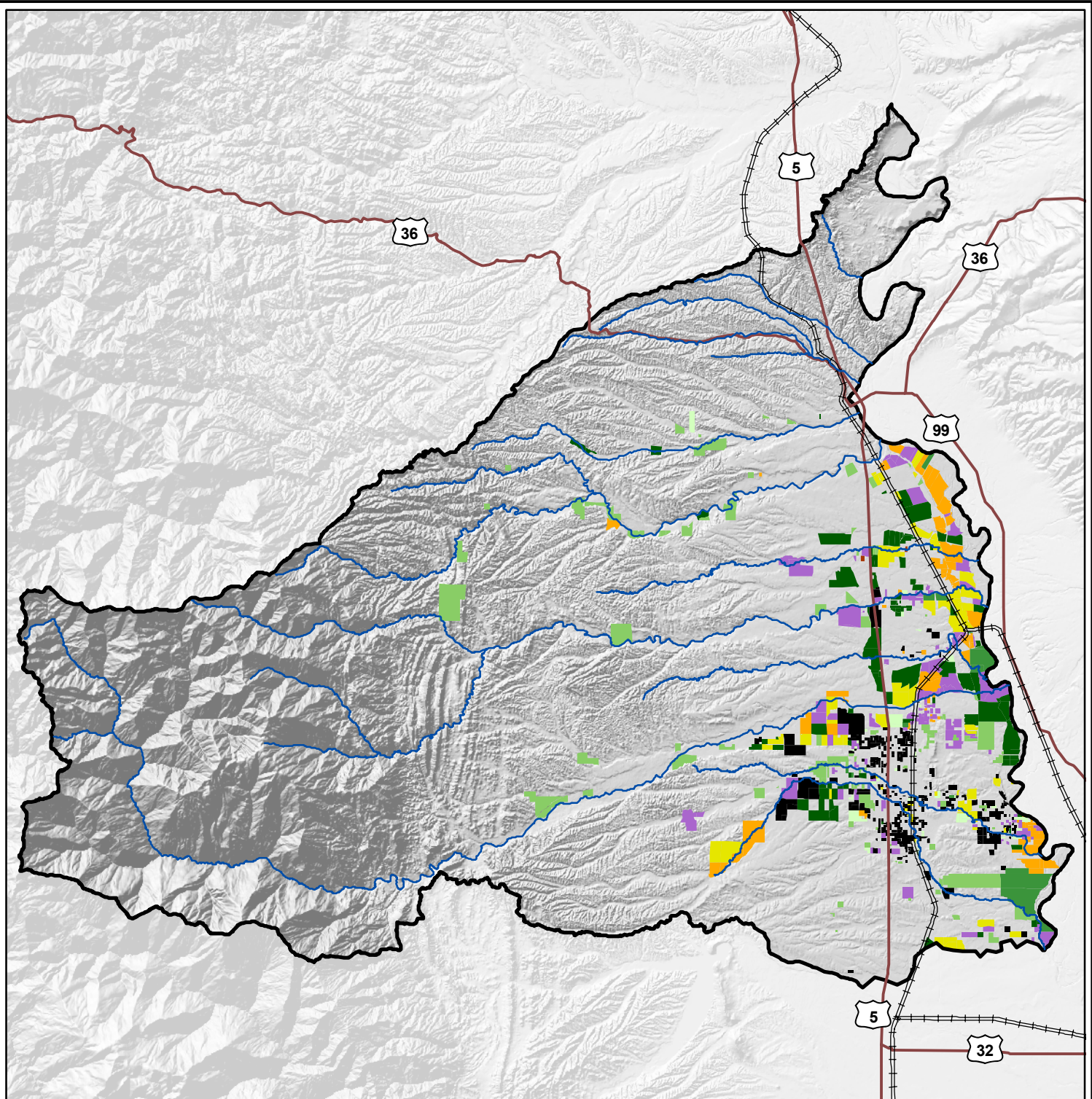


FIGURE 5
 MAJOR CROP TYPES, 1950-2003
 TEHAMA WEST WATERSHED ASSESSMENT



SOURCE: TEHAMA COUNTY AGRICULTURAL CROP REPORTS



Legend

- | | | |
|-----------------|-------------------------|----------------------------------|
| Railroad | Field Crops - Irrigated | Irrigated Walnut Orchard |
| Major Highway | Row Crops - Irrigated | Irrigated Almond Orchard |
| Major Tributary | Irrigated Olive Orchard | Irrigated Misc. Orchard |
| Field Crops | Irrigated Prune Orchard | Vine and Bush Fruits - Irrigated |
| Orchard | | |

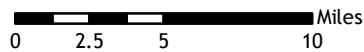


FIGURE 6
CROP TYPES
TEHAMA WEST WATERSHED ASSESSMENT



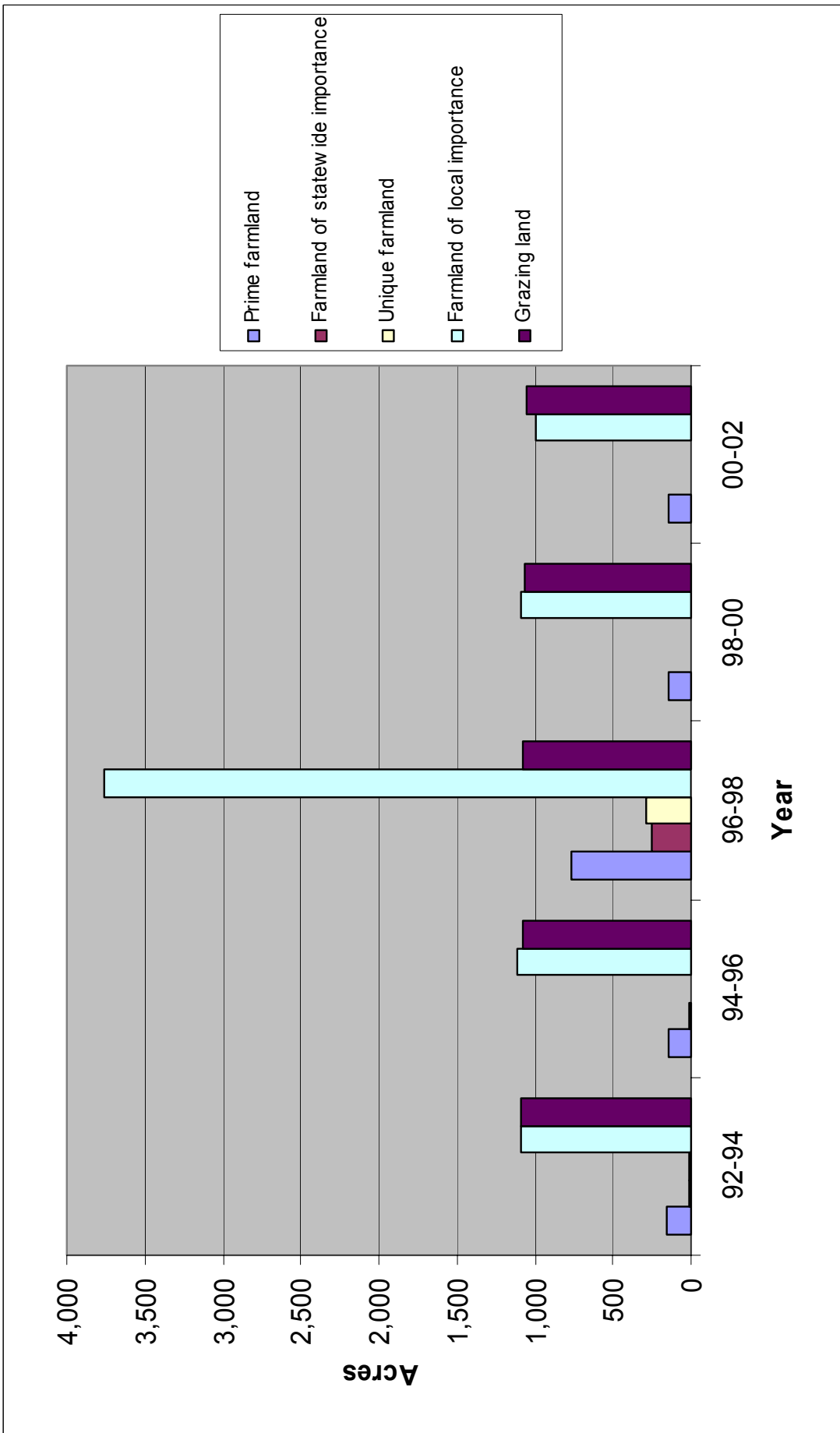
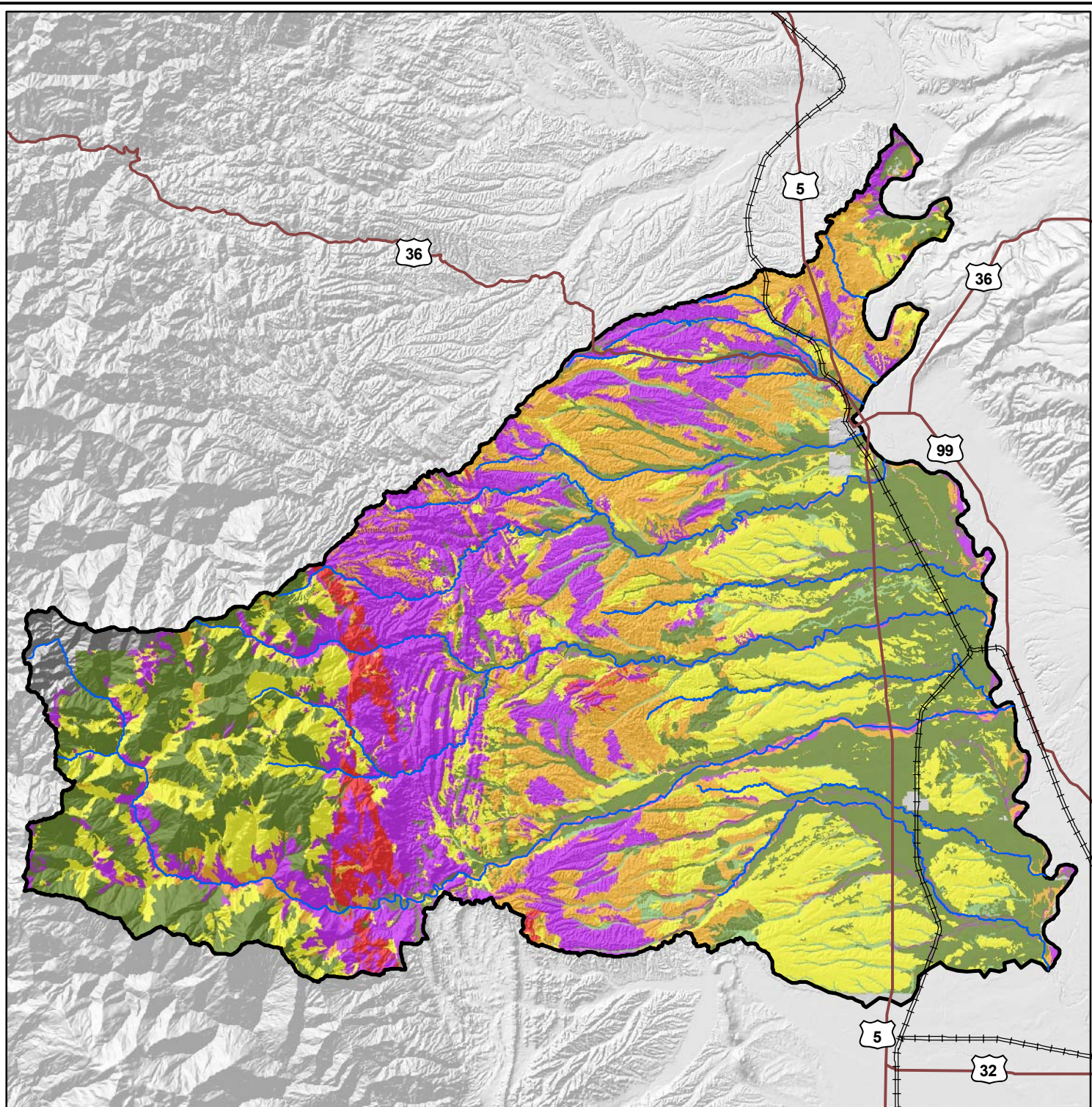


FIGURE 7
 AGRICULTURAL LANDS CONVERTED TO URBAN LANDS
 TEHAMA WEST WATERSHED ASSESSMENT



SOURCE: TEHAMA COUNTY AGRICULTURAL CROP REPORTS



Legend

- | | |
|-----------------------|-----------------|
| Railroad | Low to Moderate |
| Major Highway | Moderate |
| Major Tributary | High |
| Tehama West Watershed | High to Extreme |
| Low | Extreme |

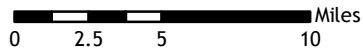


FIGURE 8
SOIL HAZARD EROSION RATINGS
TEHAMA WEST WATERSHED ASSESSMENT



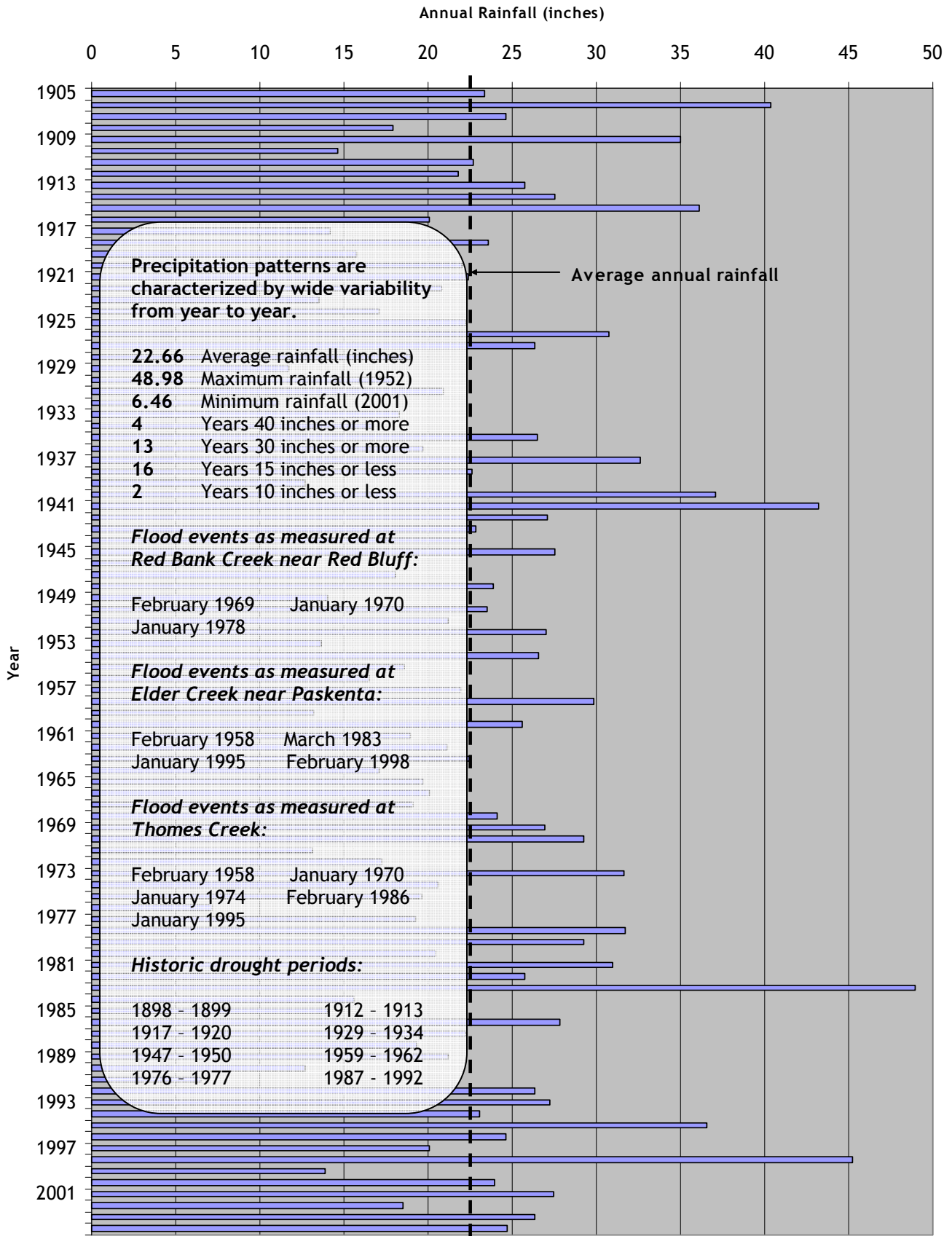
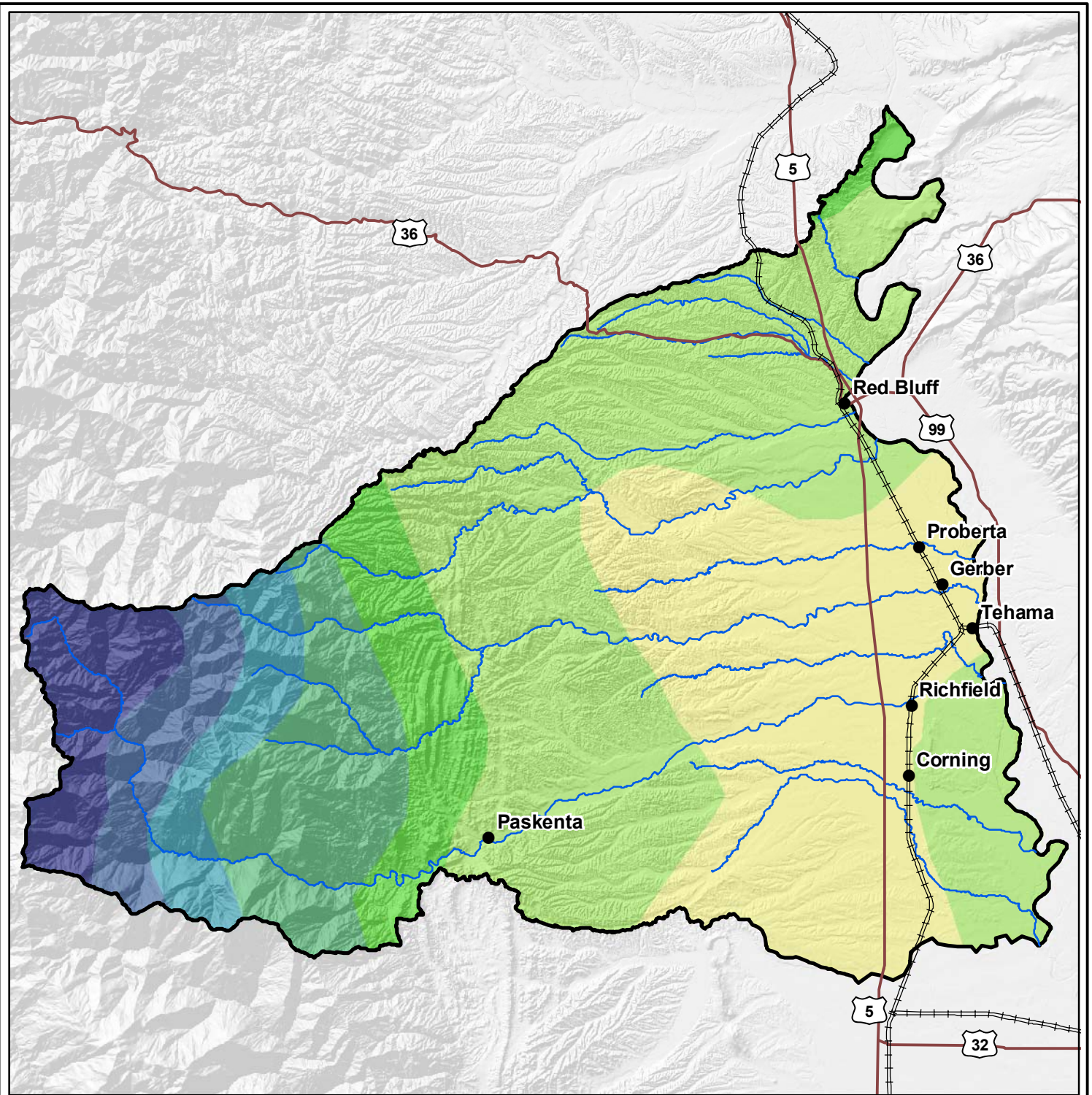


FIGURE 9
**HISTORICAL PRECIPITATION
 AND CLIMATE RECORDS**
 TEHAMA WEST WATERSHED ASSESSMENT





Legend

- | | | |
|-----------------------|---------------------|-----------------|
| Railroad | 18 inches and less | 35 to 45 inches |
| Major Highway | 18 to 22.5 inches | 45 to 55 inches |
| Major Tributary | 22.5 to 27.5 inches | 55 to 60 inches |
| Tehama West Watershed | 27.5 to 35 inches | |

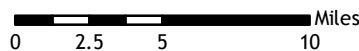
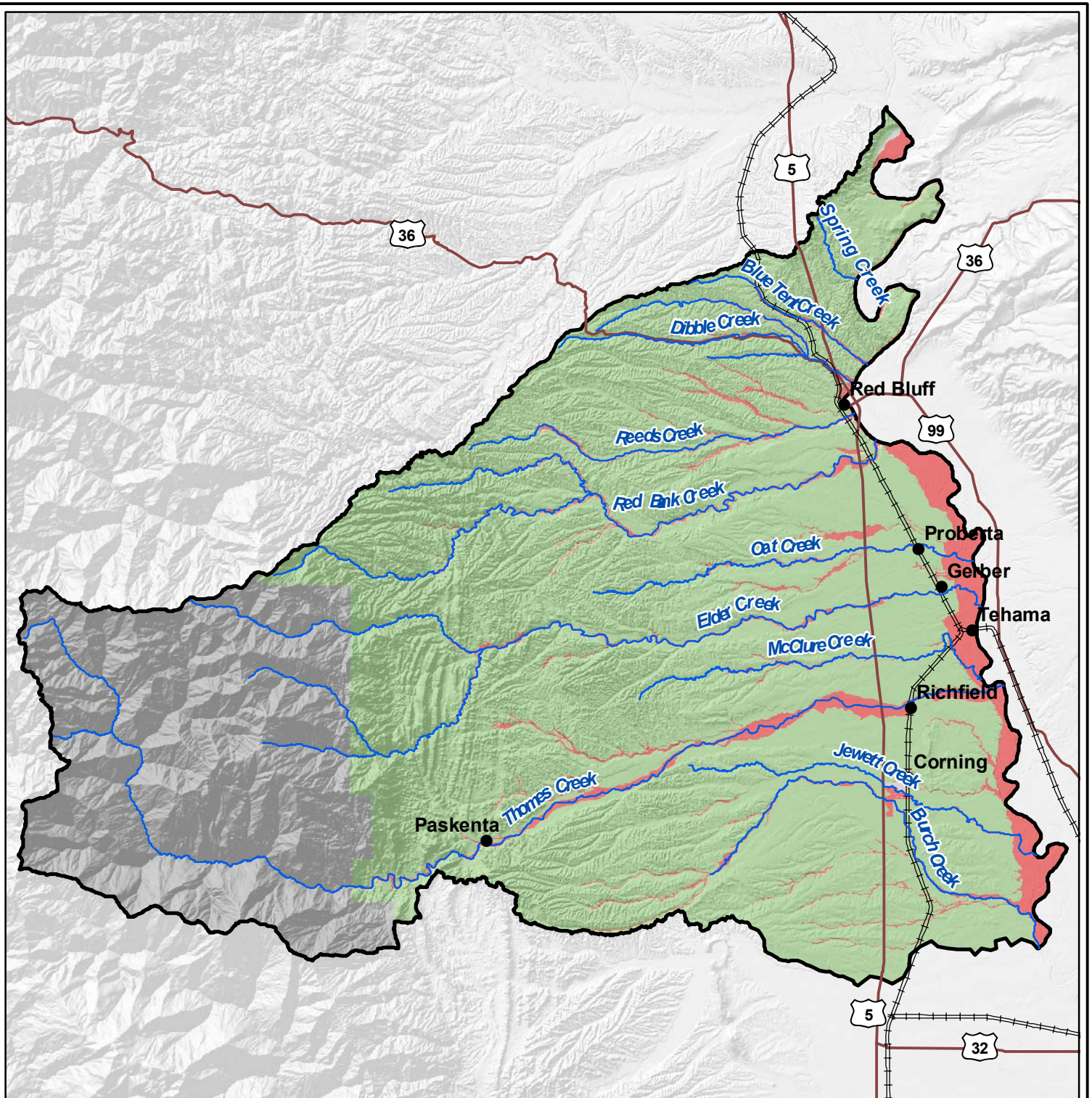









FIGURE 10
ISOHYETAL MAP
TEHAMA WEST WATERSHED ASSESSMENT





Legend

-  Railroad
-  Major Highway
-  Major Tributary
-  Tehama West Watershed
-  Zone A - Area subject to inundation
-  Zone X - Area outside of 500-year flood
-  Zone D - Unstudied area

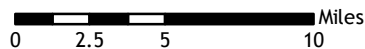
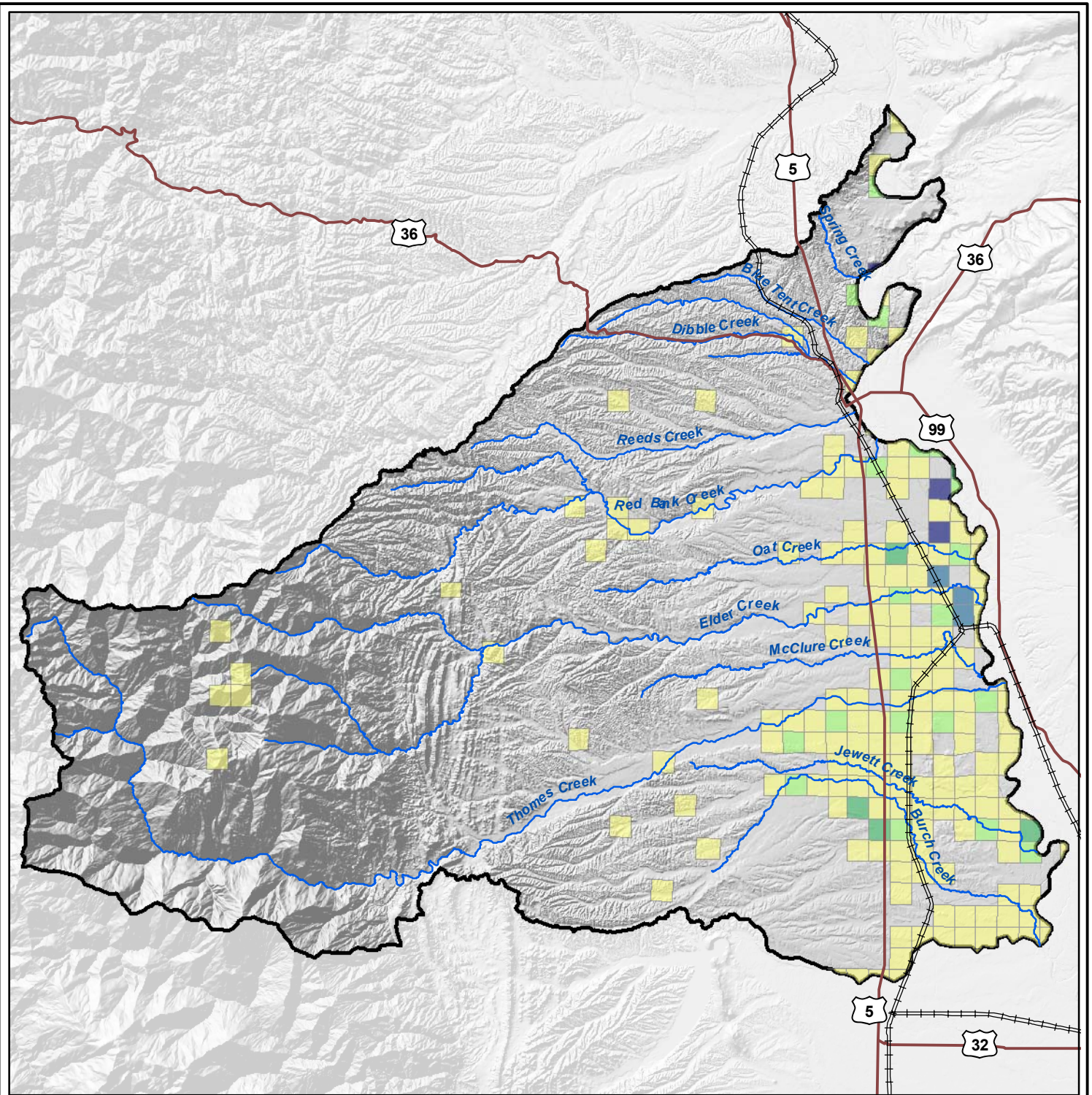


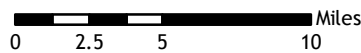
FIGURE 11
FLOOD INUNDATION ZONES
TEHAMA WEST WATERSHED ASSESSMENT





Legend

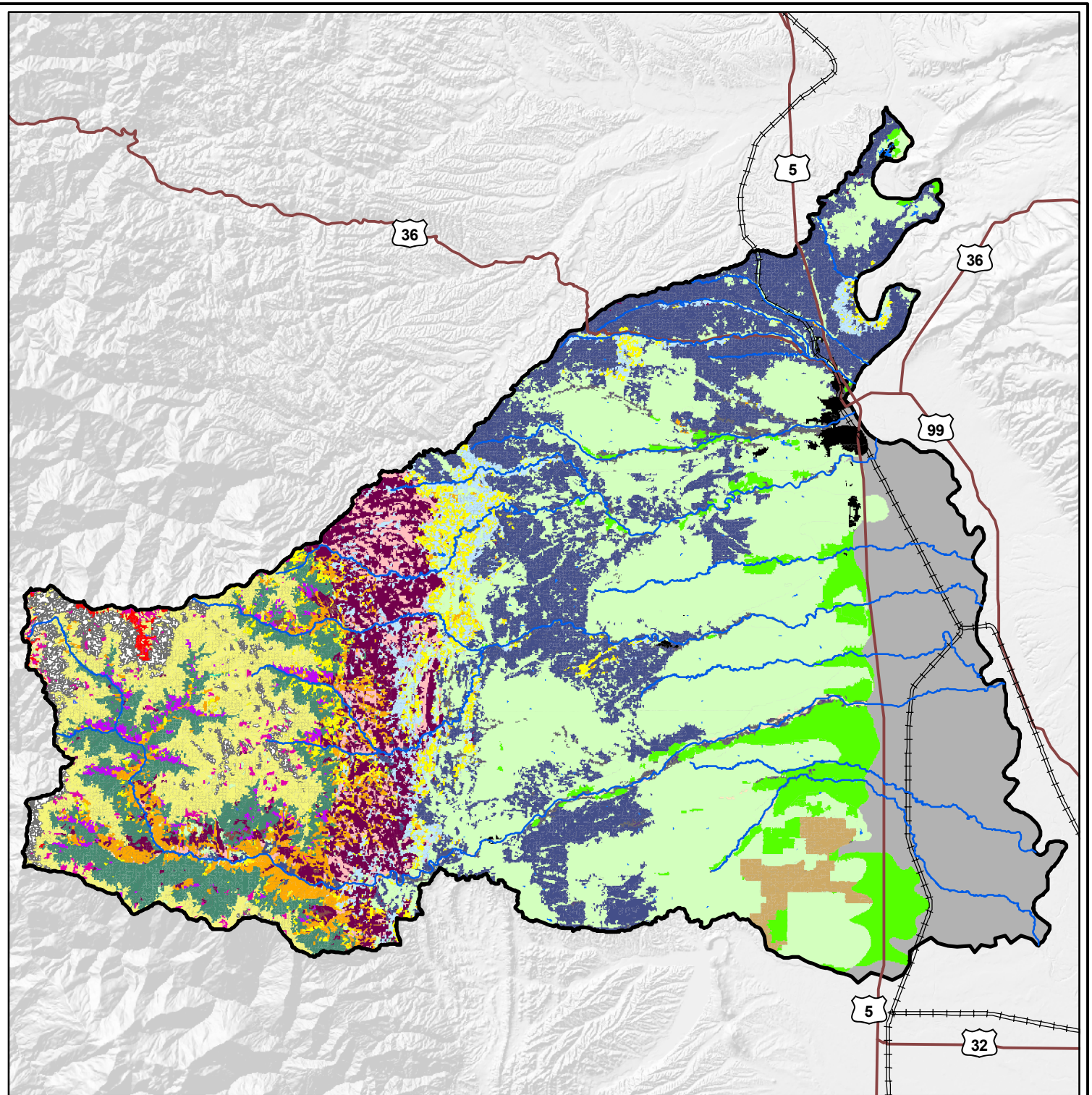
- | | | | |
|------|-----------------------|--|----------------------------------|
| ==== | Railroad | | 1 - 5,000 pounds/acre/year |
| — | Major Highway | | 5,001 - 10,000 pounds/acre/year |
| — | Major Tributary | | 10,001 - 15,000 pounds/acre/year |
| □ | Tehama West Watershed | | 15,001 - 20,000 pounds/acre/year |
| | | | 20,001 - 30,000 pounds/acre/year |



**FIGURE 12
PESTICIDE USE**

TEHAMA WEST WATERSHED ASSESSMENT





Legend

- | | | | | |
|---|---|---|---|---|
| <ul style="list-style-type: none"> Railroad Major Highway Major Tributary Tehama West Watershed | <ul style="list-style-type: none"> Unclassified Annual Grass Barren Blue Oak Foothill Pine Blue Oak Woodland Closed Cone Pine-Cypress | <ul style="list-style-type: none"> Chamise-Redshank Chaparral Agriculture-Crops Douglas Fir Eucalyptus Jeffrey Pine Klamath Mixed Conifer | <ul style="list-style-type: none"> Mixed Chaparral Montane Chaparral Montane Hardwoods Conifer Montane Hardwood Montane Riparian Ponderosa Pine | <ul style="list-style-type: none"> Red Fir Urban Valley Oak Woodland Water White Fir Wet Meadow |
|---|---|---|---|---|

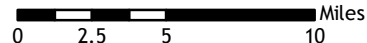
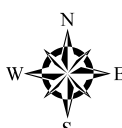
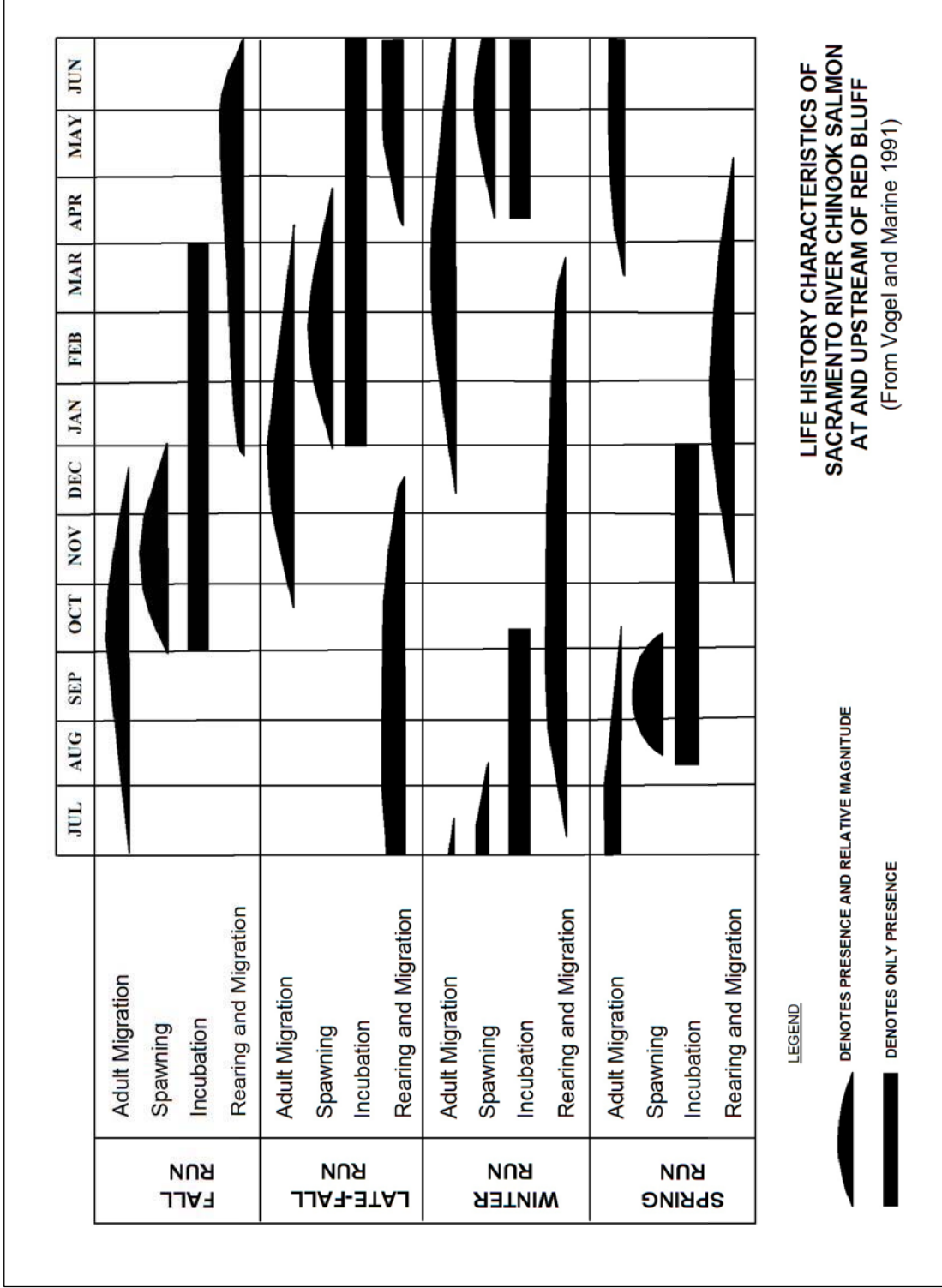


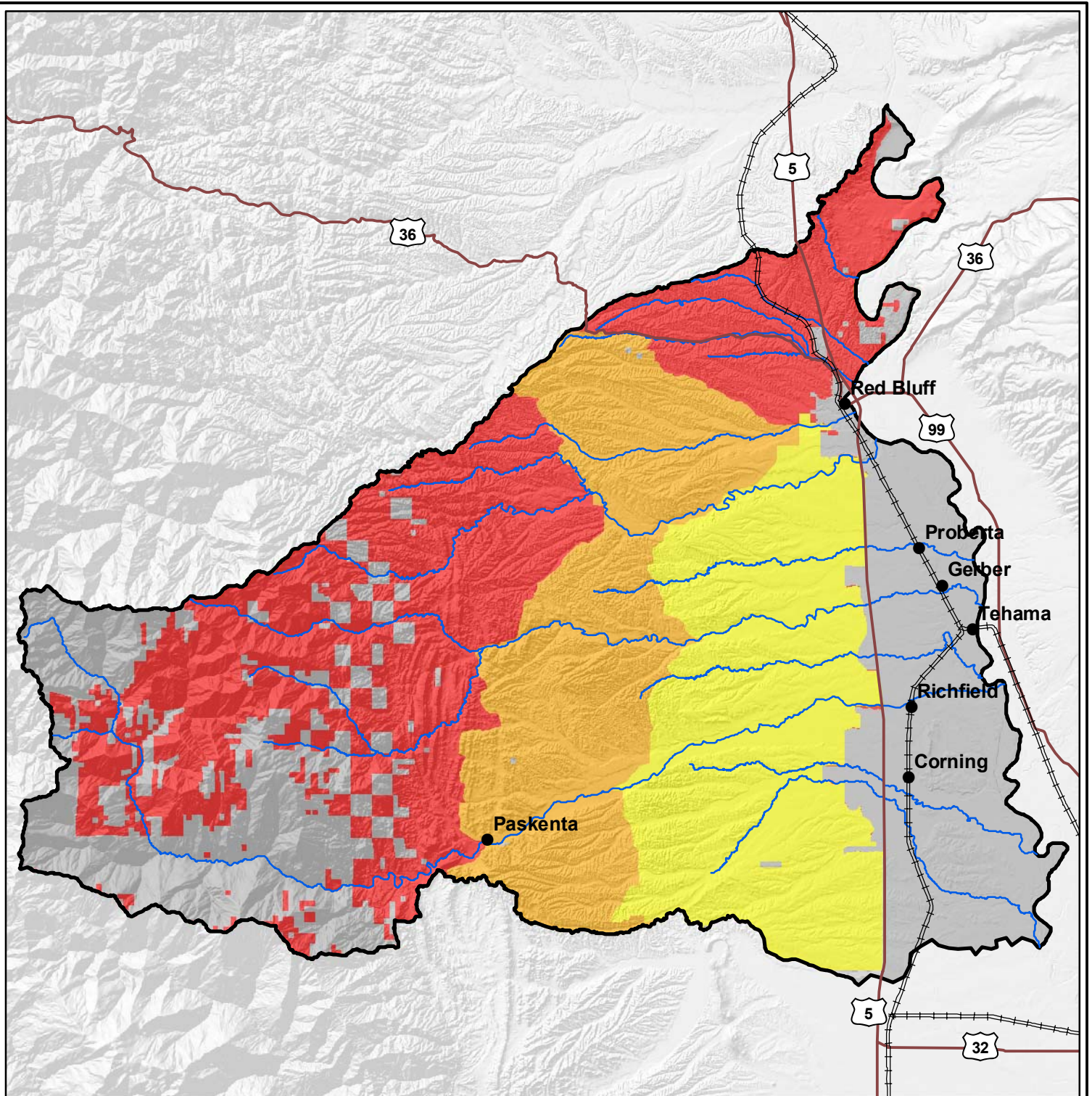
FIGURE 13
CALVEG - WHR
TEHAMA WEST WATERSHED ASSESSMENT



LIFE HISTORY CHARACTERISTICS OF SACRAMENTO RIVER CHINOOK SALMON AT AND UPSTREAM OF RED BLUFF
(From Vogel and Marine 1991)

FIGURE 14
LIFE HISTORY CHARACTERISTICS OF SACRAMENTO RIVER CHINOOK SALMON AT AND UPSTREAM OF RED BLUFF
TEHAMA WEST WATERSHED ASSESSMENT





Legend

- | | |
|-----------------------|-------------------------------|
| Railroad | Very High |
| Major Highway | High |
| Major Tributary | Moderate |
| Tehama West Watershed | Not State Responsibility Area |

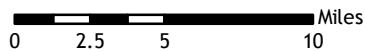
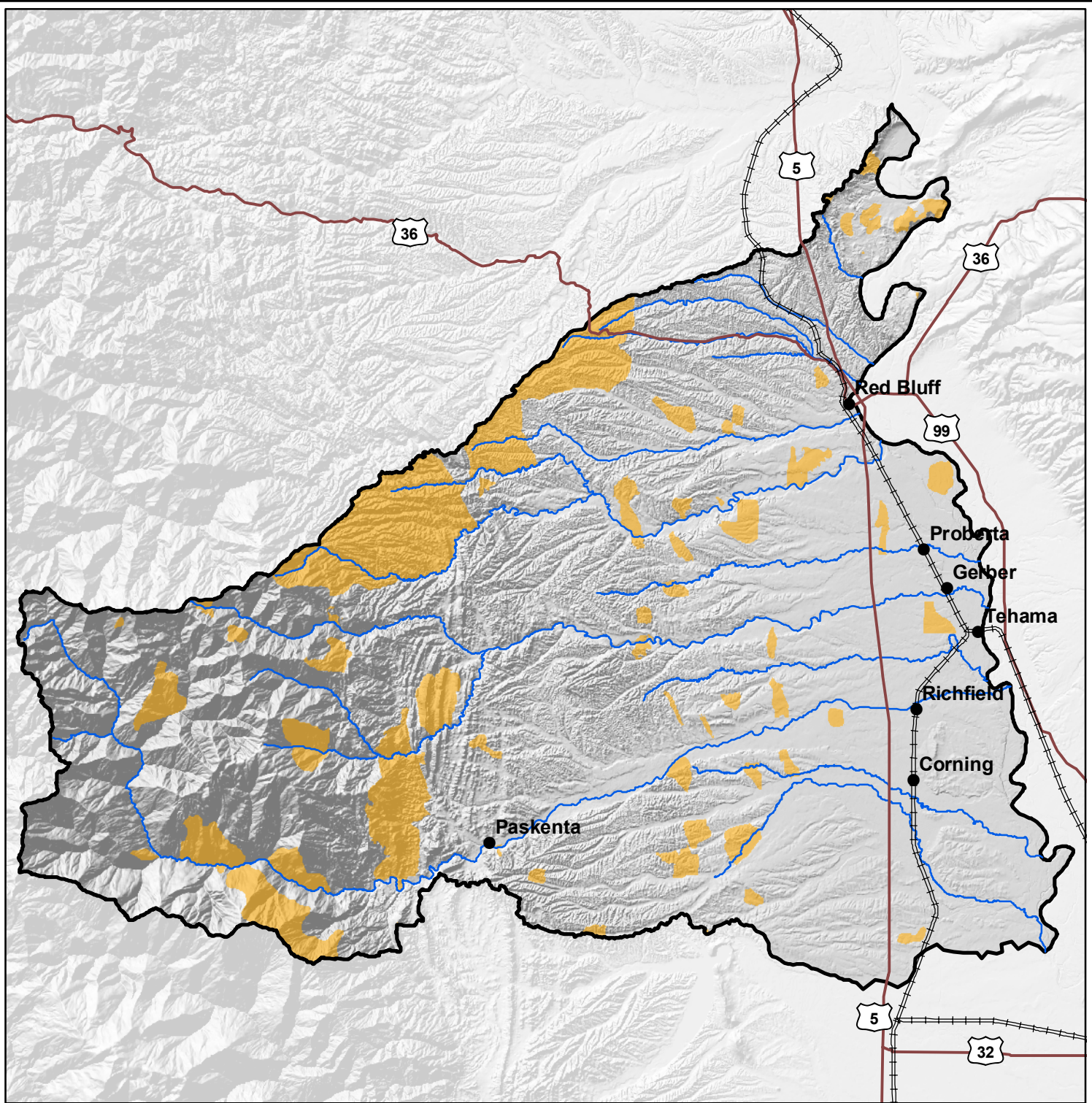


FIGURE 15
FIRE HAZARD SEVERITY ZONES
TEHAMA WEST WATERSHED ASSESSMENT





Legend

- ⎓ Railroad
- Major Highway
- Major Tributary
- ▭ Tehama West Watershed
- Historical Fire Area

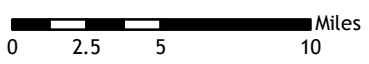
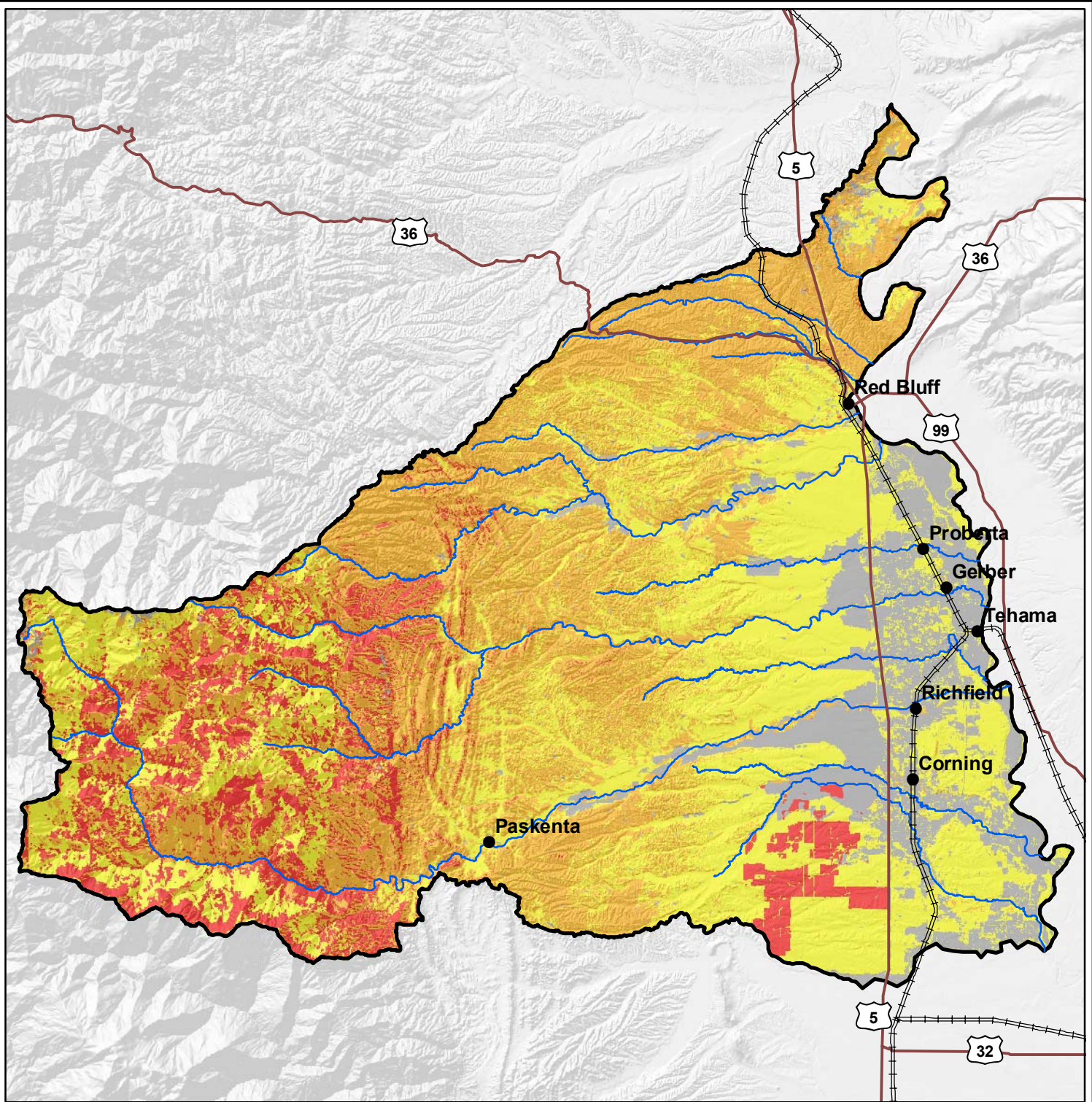










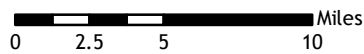
FIGURE 16
HISTORICAL FIRE BOUNDARIES
TEHAMA WEST WATERSHED ASSESSMENT





Legend

- | | |
|---|--|
|  Railroad |  Non-Fuel |
|  Major Highway |  Moderate |
|  Major Tributary |  High |
|  Tehama West Watershed |  Very High |



**FIGURE 17
FUEL RANKS
TEHAMA WEST WATERSHED ASSESSMENT**

