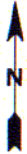


MAPS

September 15, 1997





L. Zowada








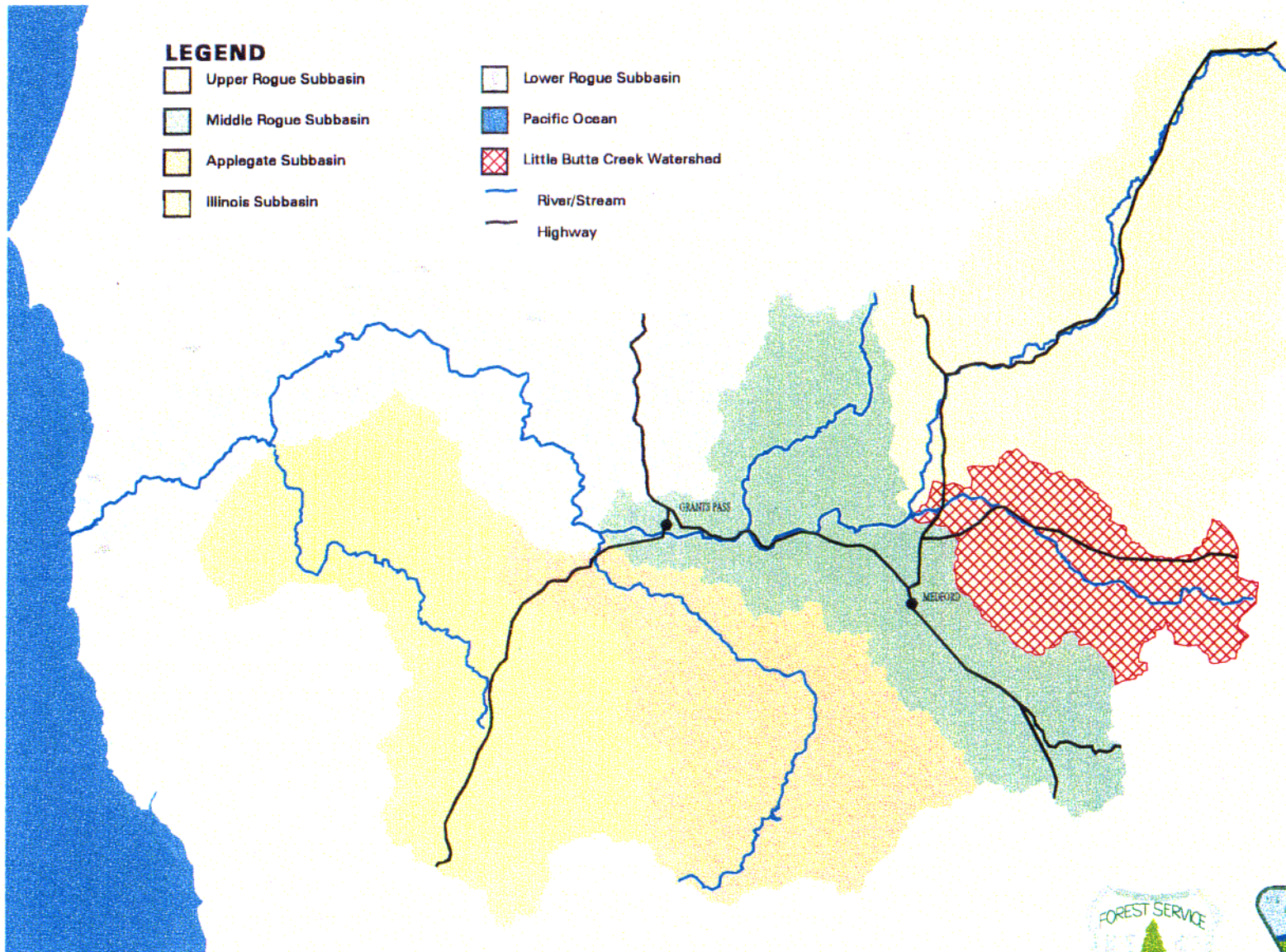
SCALE 1:950400

1" = 15 miles

LEGEND

-  Upper Rogue Subbasin
-  Middle Rogue Subbasin
-  Applegate Subbasin
-  Illinois Subbasin

-  Lower Rogue Subbasin
-  Pacific Ocean
-  Little Butte Creek Watershed
-  River/Stream
-  Highway



**Little Butte Creek Watershed
Rogue River Basin and Subbasins**



MAP 1

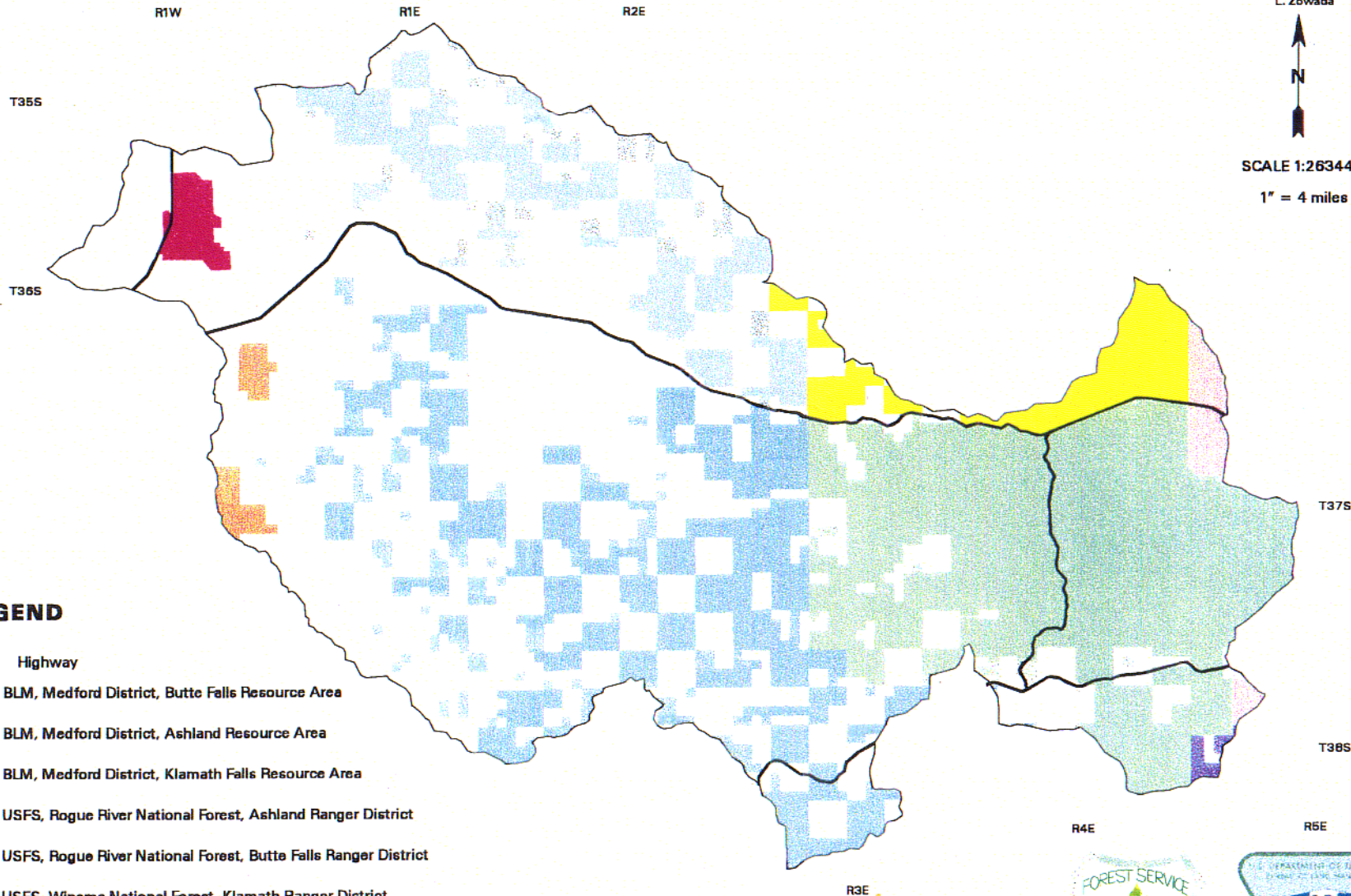
September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles



LEGEND

- Highway
- BLM, Medford District, Butte Falls Resource Area
- BLM, Medford District, Ashland Resource Area
- BLM, Medford District, Klamath Falls Resource Area
- USFS, Rogue River National Forest, Ashland Ranger District
- USFS, Rogue River National Forest, Butte Falls Ranger District
- USFS, Winema National Forest, Klamath Ranger District
- State of Oregon
- Eagle Point
- Private

**Little Butte Creek Watershed
Land Ownership**



MAP 2

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S



T38S

R4E

R5E

R3E

LEGEND

-  Highway
-  Tier 1 Key Watershed
-  Matrix
-  Late-Successional Reserves
-  Administratively Withdrawn Areas
-  Congressionally Reserved Areas
-  Riparian Reserves

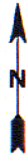
Little Butte Creek Watershed Federal Land Allocations



MAP 3

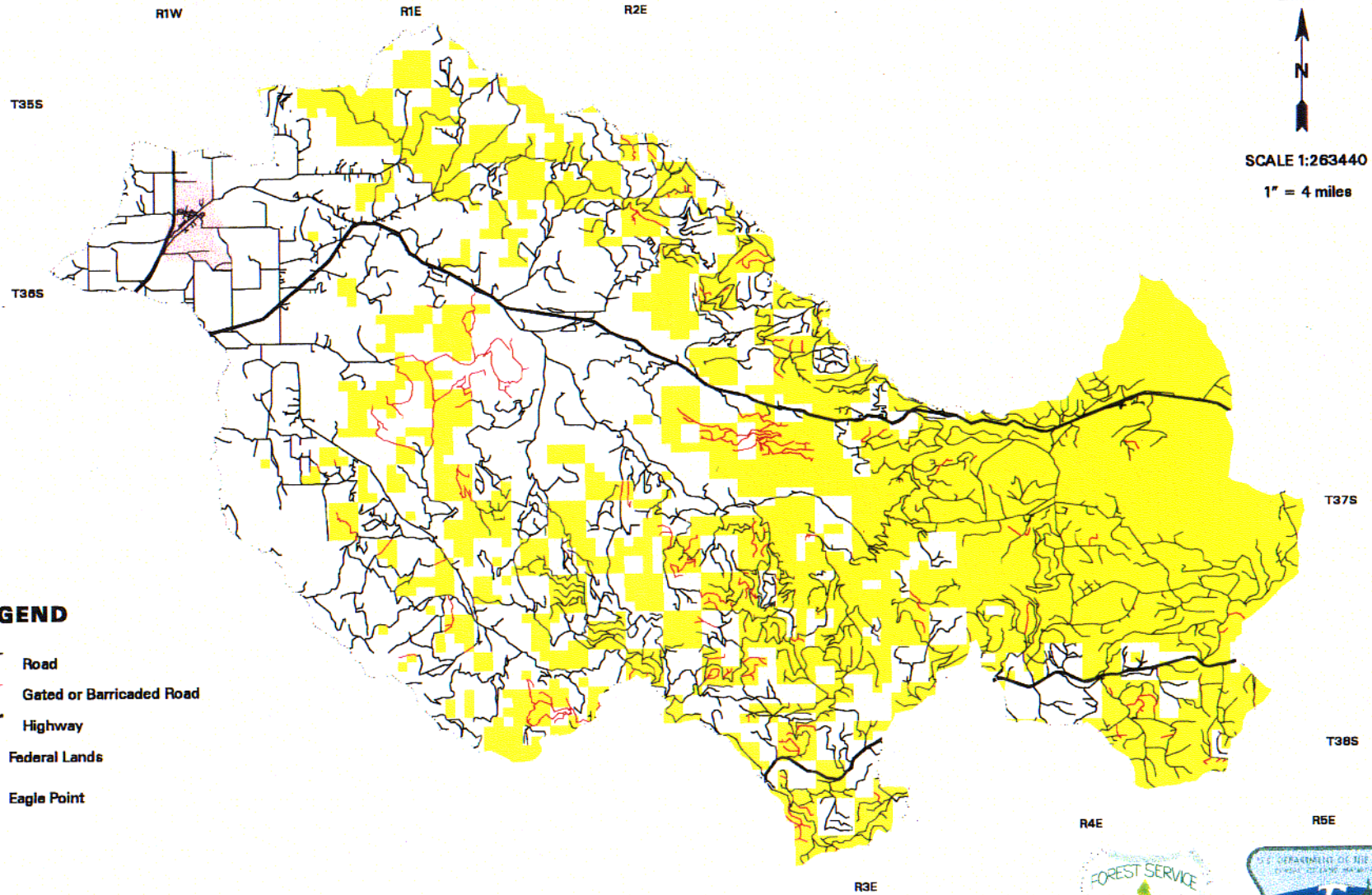
September 15, 1997

L. Zowada








SCALE 1:263440

1" = 4 miles



LEGEND

-  Road
-  Gated or Barricaded Road
-  Highway
-  Federal Lands
-  Eagle Point

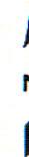
**Little Butte Creek Watershed
Transportation System**



MAP 4

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S






T38S

R4E

R5E

R3E

LEGEND

-  Average Annual Precipitation isoline (inches)
source: Oregon Climate Service 1995
-  Stream
-  Little Butte Creek Watershed
-  Eagle Point
-  Fish Lake

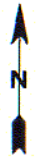
Little Butte Creek Watershed Average Annual Precipitation



MAP 5

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S










T38S

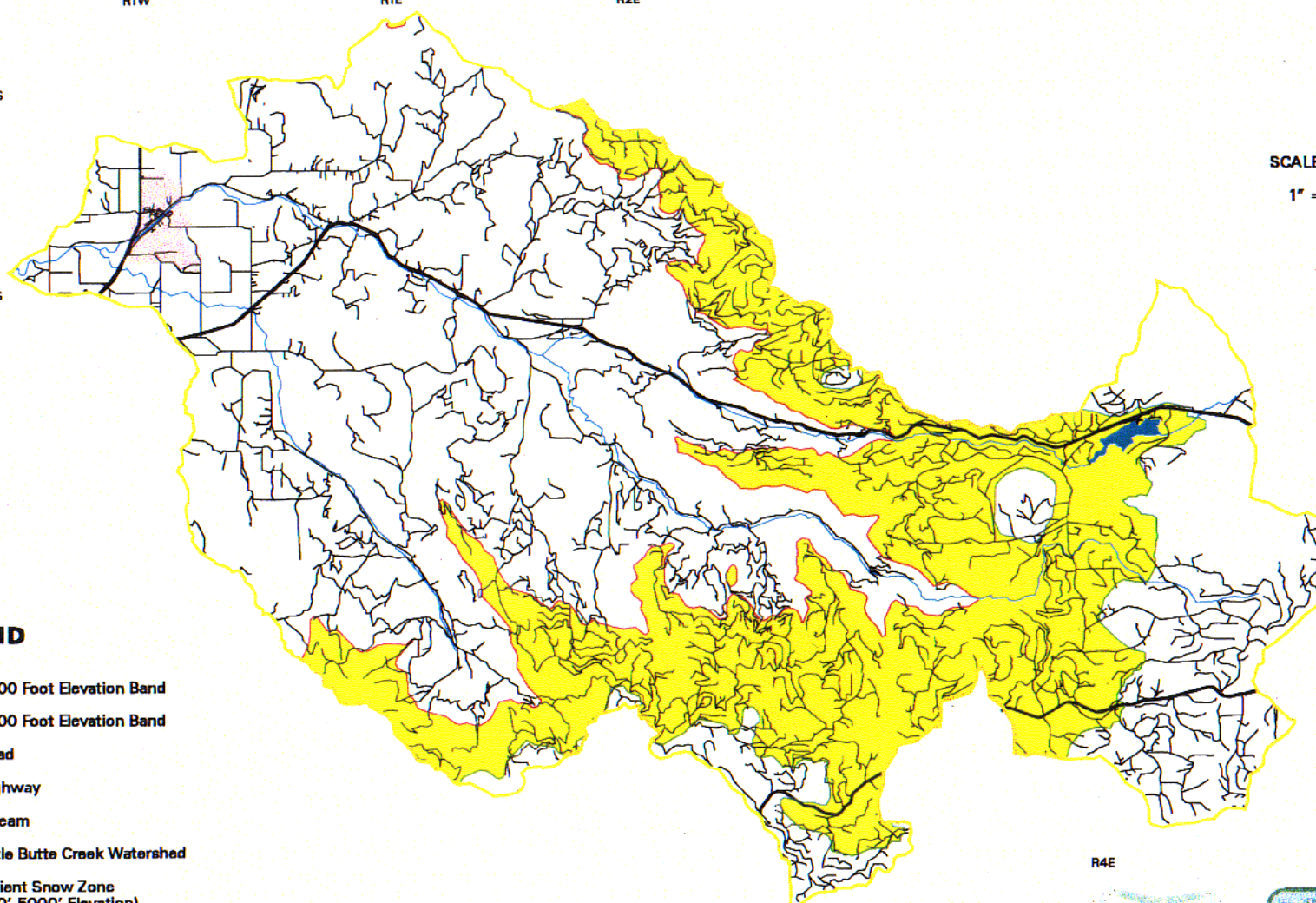
R4E

R5E

R3E

LEGEND

-  3500 Foot Elevation Band
-  5000 Foot Elevation Band
-  Road
-  Highway
-  Stream
-  Little Butte Creek Watershed
-  Transient Snow Zone (3500'-5000' Elevation)
-  Eagle Point
-  Fish Lake



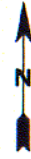
Little Butte Creek Watershed Transient Snow Zone



MAP 6

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S

T38S

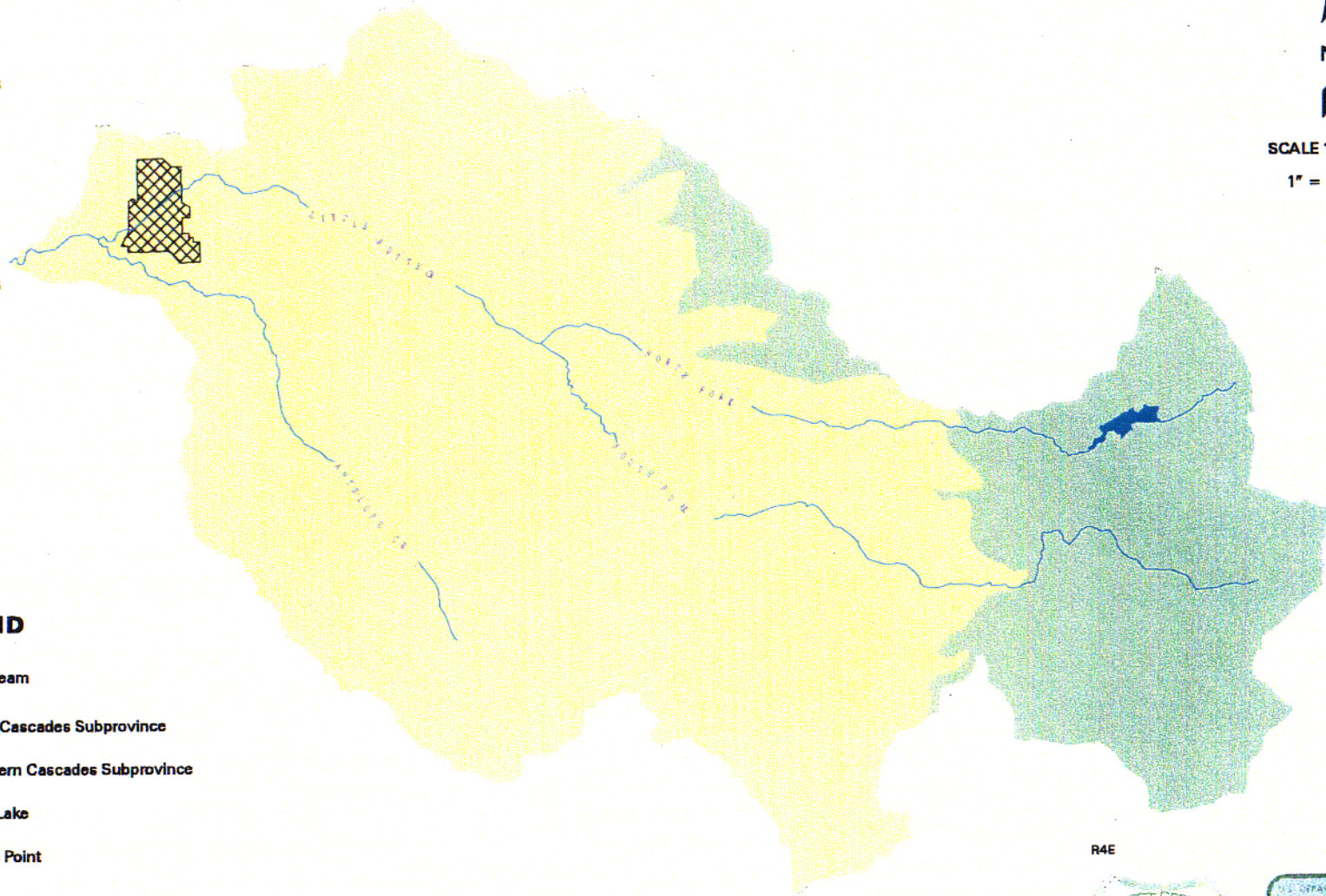
R4E

R5E

R3E

LEGEND

-  Stream
-  High Cascades Subprovince
-  Western Cascades Subprovince
-  Fish Lake
-  Eagle Point



Little Butte Creek Watershed Physiographic Subprovinces



MAP 7

September 17, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S

















T38S

R4E

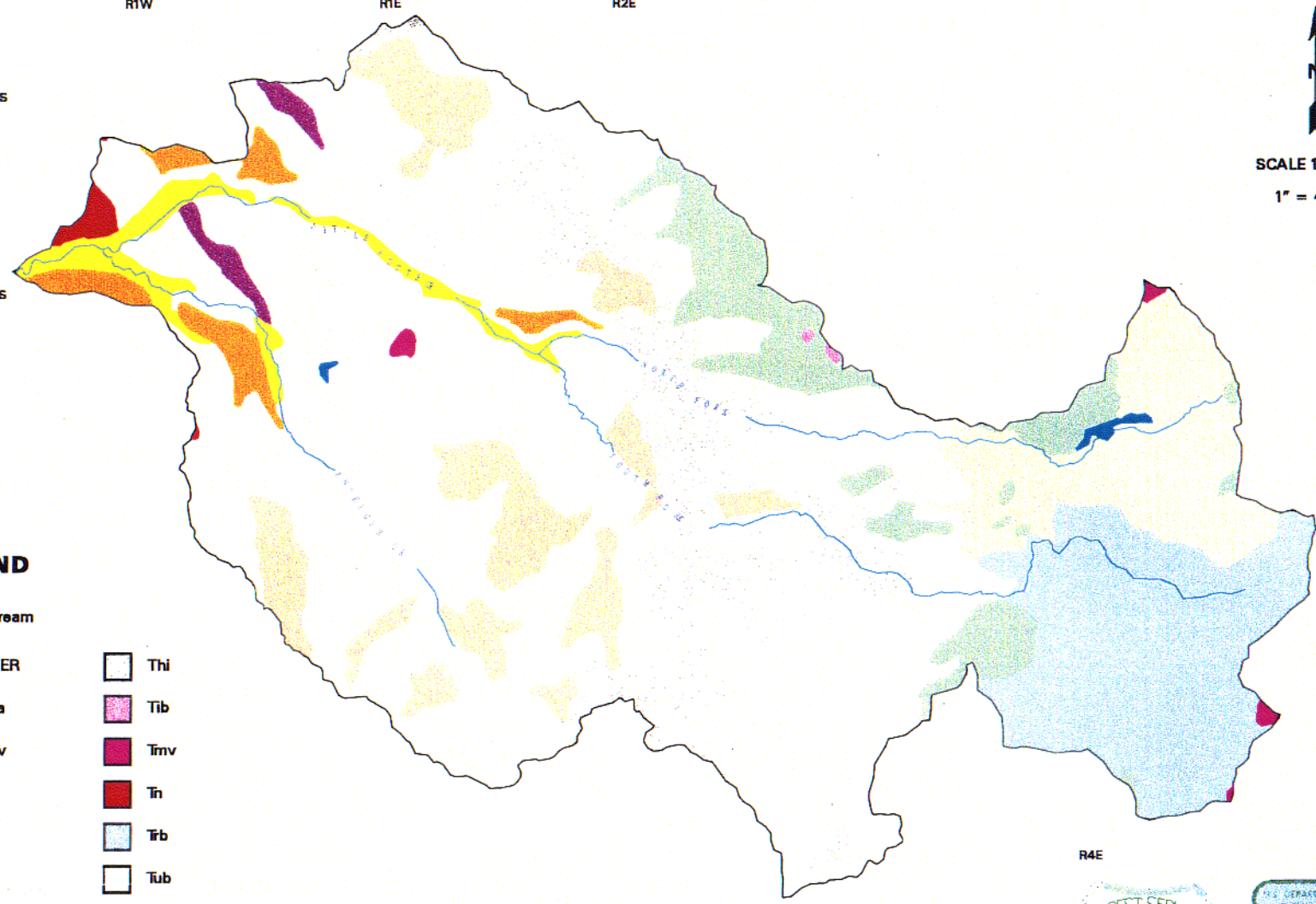
R5E

R3E

LEGEND

-  Stream
-  WATER
-  QTba
-  QImv
-  QIp
-  Qal
-  Qba
-  Qls
-  Qt
-  Thi
-  Tib
-  Tmv
-  Tn
-  Trb
-  Tub
-  Tus
-  Tut

Map symbols explained in Appendix A
Source: USGS Geologic Map of Oregon



Little Butte Creek Watershed Geology



MAP 8

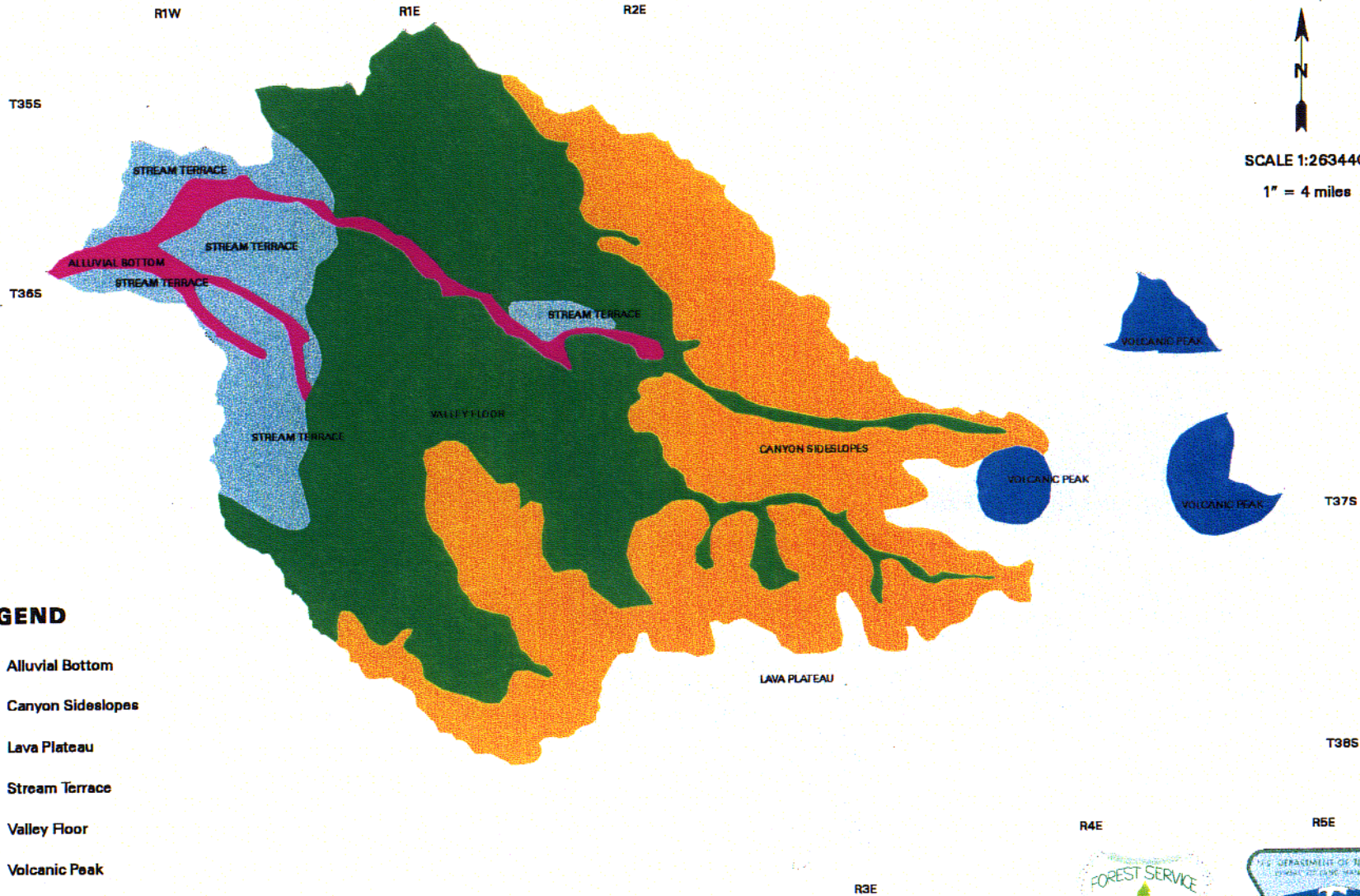
September 16, 1997

D. Shupe






SCALE 1:263440

1" = 4 miles



LEGEND

-  Alluvial Bottom
-  Canyon Sideslopes
-  Lava Plateau
-  Stream Terrace
-  Valley Floor
-  Volcanic Peak

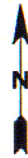
**Little Butte Creek Watershed
Geomorphic Landforms**



MAP 9

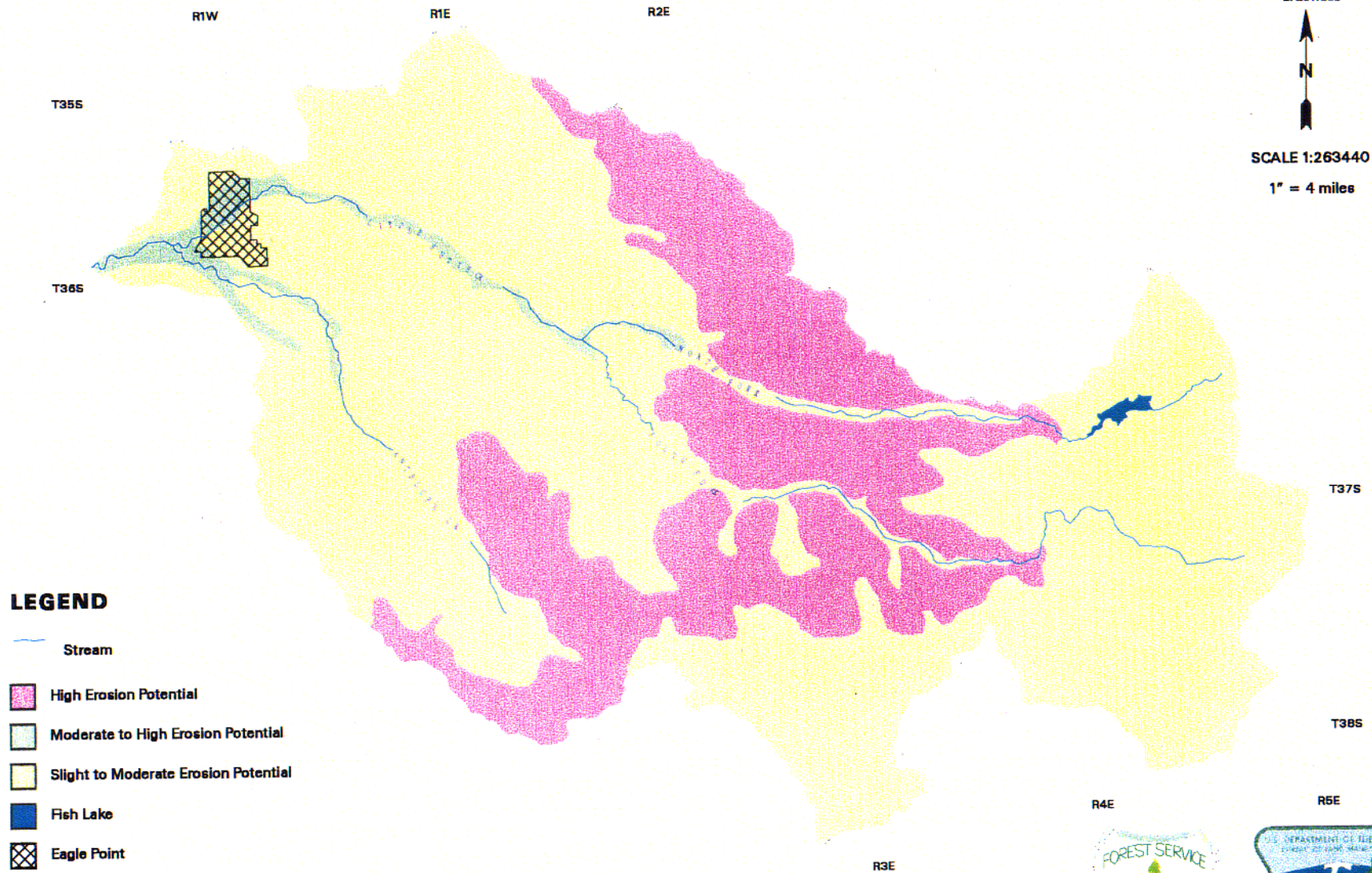
September 15, 1997

L. Zowada









SCALE 1:263440

1" = 4 miles



LEGEND

-  Stream
-  High Erosion Potential
-  Moderate to High Erosion Potential
-  Slight to Moderate Erosion Potential
-  Fish Lake
-  Eagle Point

**Little Butte Creek Watershed
Soil Erosion Potential**



MAP 10

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S


T38S

R4E


R5E

R3E

LEGEND


 Stream


 Fish Lake


 Eagle Point


FOREST ZONES:
(Franklin and Dyrness 1973)

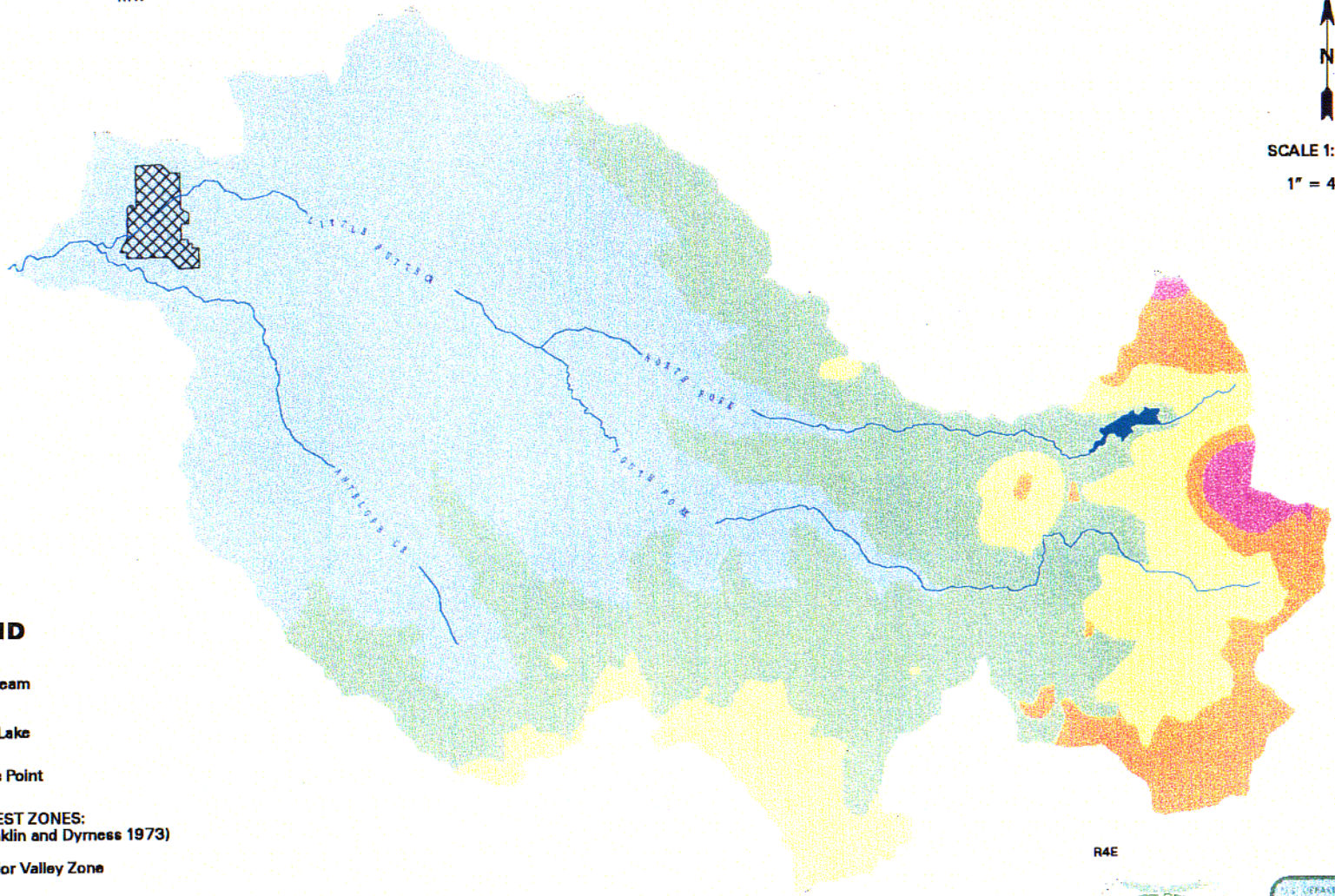
 Interior Valley Zone

 Mixed Conifer Zone

 White Fir Zone

 Shasta Fir Zone

 Mountain Hemlock Zone



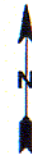
**Little Butte Creek Watershed
Forest Zones**



MAP 11

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S












T38S

R4E

R5E

R3E

LEGEND

-  Stream
-  Water
-  Urban/Agricultural
-  Rock
-  Nonforest Vegetation (grass, shrubs)
-  Hardwoods
-  Early Seral Vegetation
-  Seedlings Thru Poles
-  Large Poles
-  Mature Timber
-  Late Successional

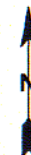
Little Butte Creek Watershed Vegetation Classification



MAP 12

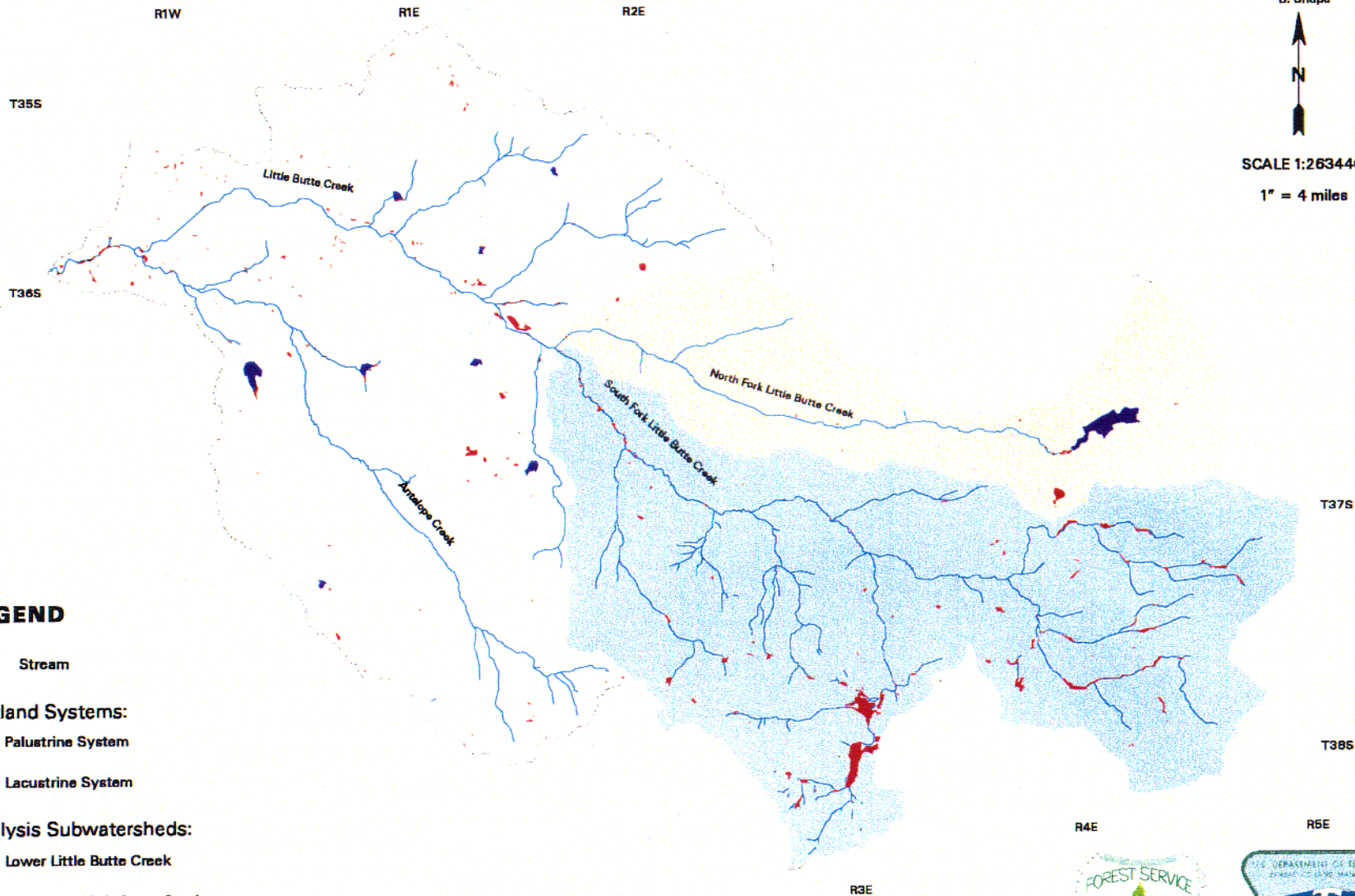
September 16, 1997

D. Shupe



SCALE 1:263440

1" = 4 miles



LEGEND

— Stream

Wetland Systems:

■ Palustrine System

■ Lacustrine System

Analysis Subwatersheds:

□ Lower Little Butte Creek

□ North Fork Little Butte Creek

□ South Fork Little Butte Creek

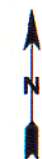
**Little Butte Creek Watershed
Wetlands**



MAP 13

September 16, 1997

D. Shupe



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S





T38S

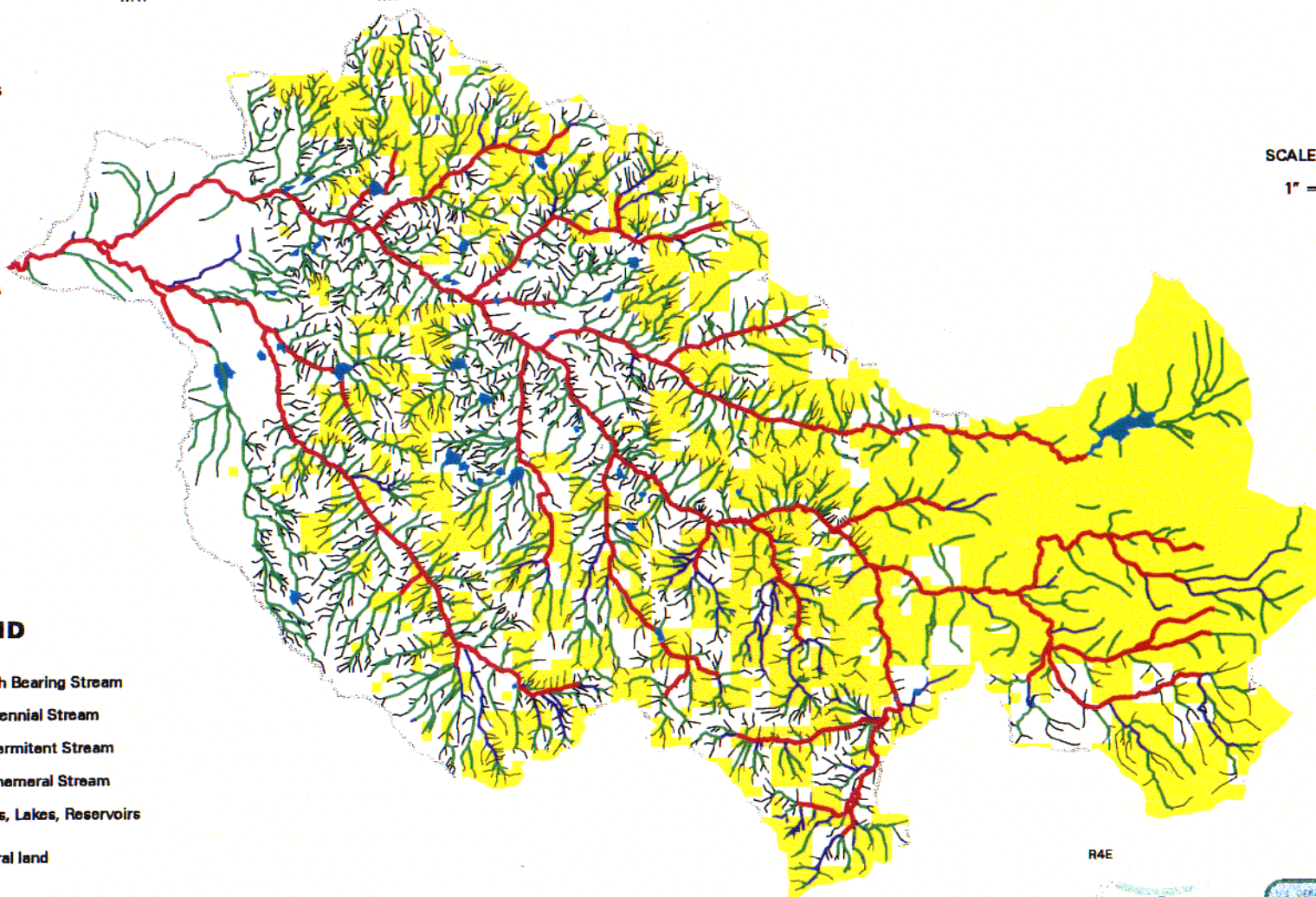
R4E

R5E

R3E

LEGEND

-  Fish Bearing Stream
-  Perennial Stream
-  Intermitent Stream
-  Ephemeral Stream
-  Ponds, Lakes, Reservoirs
-  Federal land



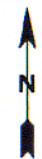
**Little Butte Creek Watershed
Surface Water Hydrologic Features**



MAP 14

September 16, 1997

D. Shupe



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T355

T365

T375

















T385

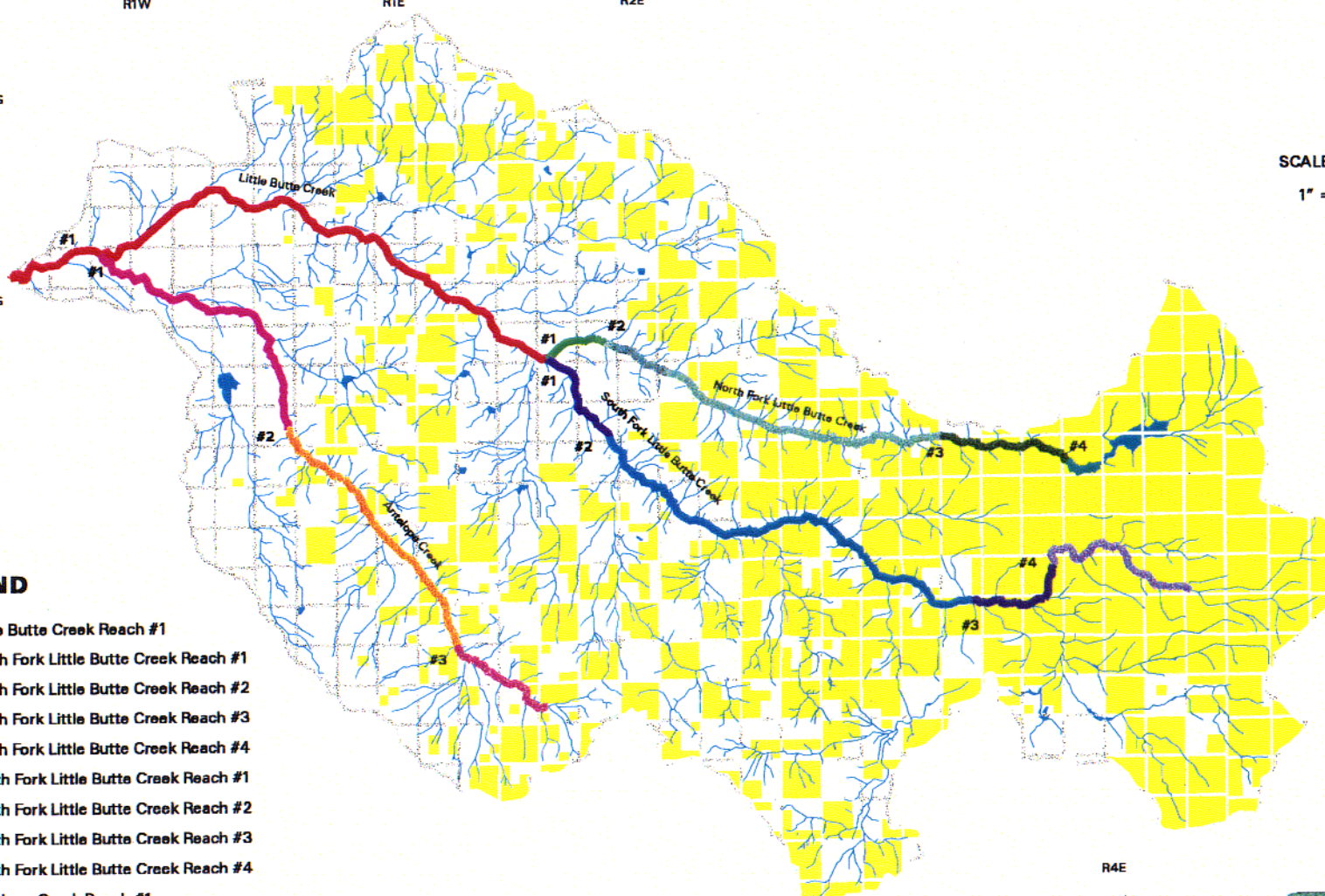
R4E

R5E

R3E

LEGEND

-  Little Butte Creek Reach #1
-  North Fork Little Butte Creek Reach #1
-  North Fork Little Butte Creek Reach #2
-  North Fork Little Butte Creek Reach #3
-  North Fork Little Butte Creek Reach #4
-  South Fork Little Butte Creek Reach #1
-  South Fork Little Butte Creek Reach #2
-  South Fork Little Butte Creek Reach #3
-  South Fork Little Butte Creek Reach #4
-  Antelope Creek Reach #1
-  Antelope Creek Reach #2
-  Antelope Creek Reach #3
-  Section Lines
-  Stream
-  Ponds, Lakes, Reservoirs
-  Federal land



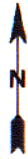
Little Butte Creek Watershed Stream Reach Types



MAP 15

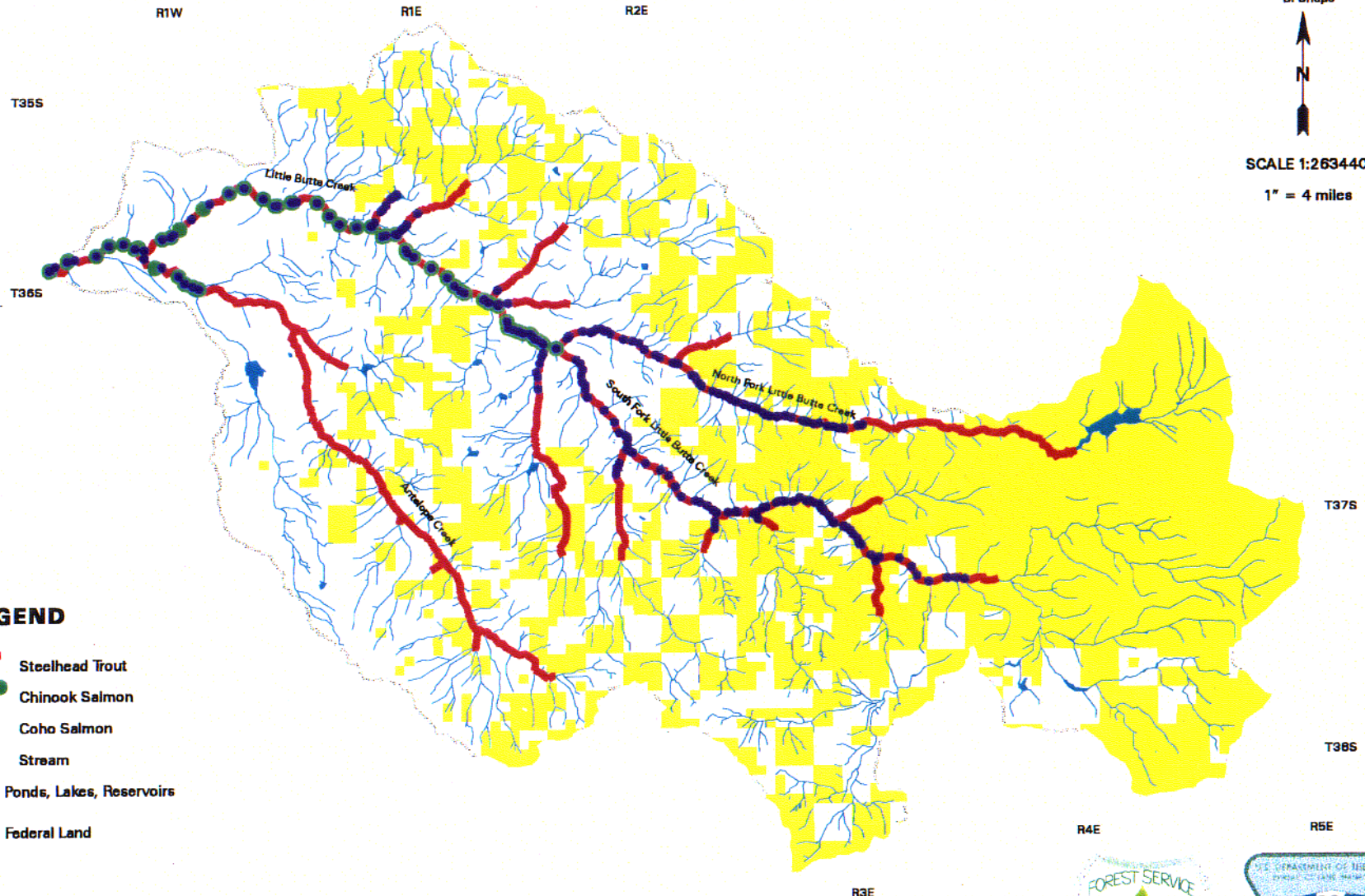
September 16, 1997

D. Shupe









SCALE 1:263440

1" = 4 miles



LEGEND

-  Steelhead Trout
-  Chinook Salmon
-  Coho Salmon
-  Stream
-  Ponds, Lakes, Reservoirs
-  Federal Land

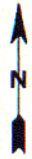
**Little Butte Creek Watershed
Anadromous Fish Distribution**



MAP 16

September 16, 1997

D. Shupe



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S







T38S

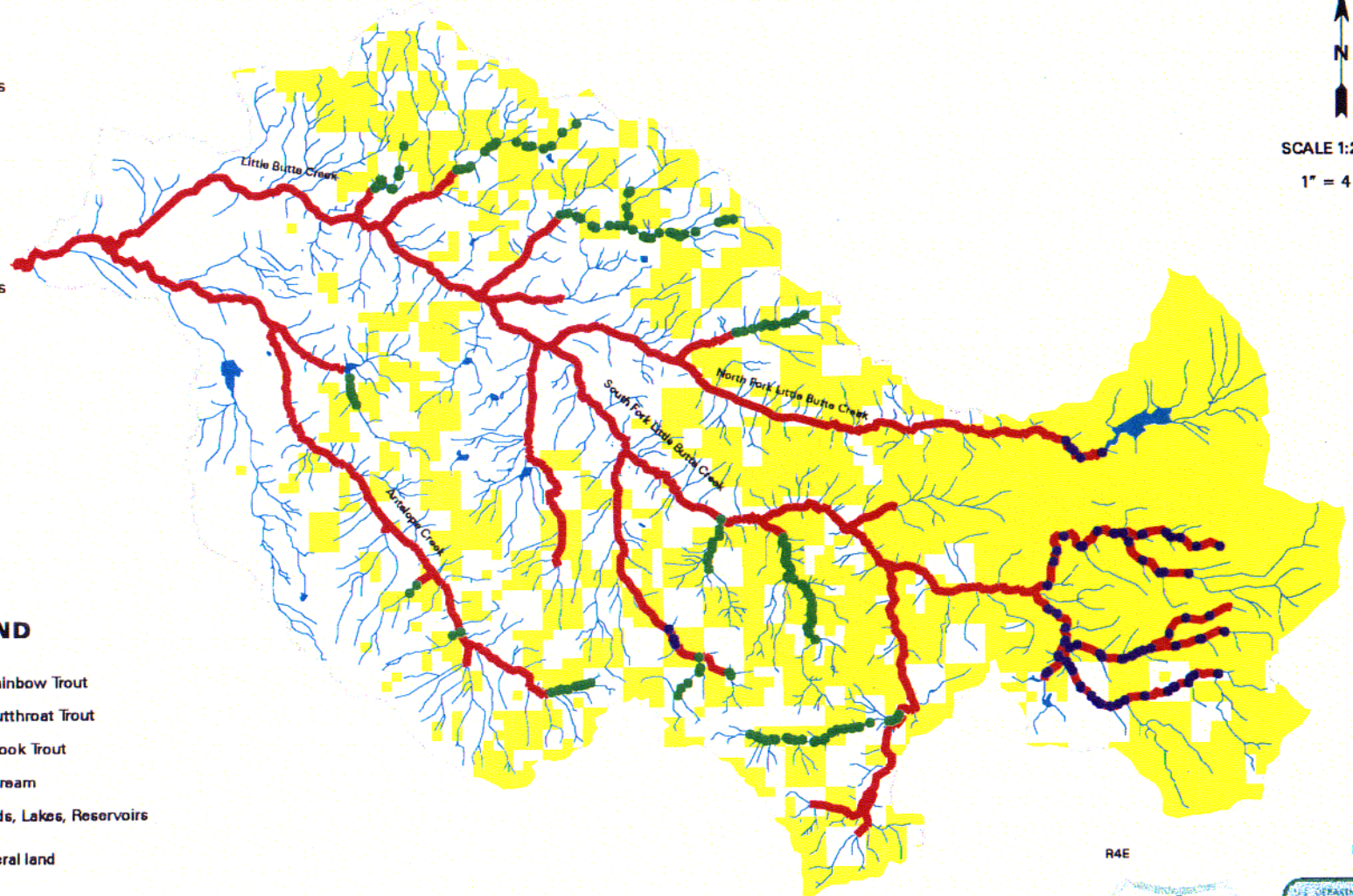
R4E

R5E

R3E

LEGEND

-  Rainbow Trout
-  Cutthroat Trout
-  Brook Trout
-  Stream
-  Ponds, Lakes, Reservoirs
-  Federal land



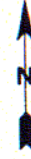
Little Butte Creek Watershed Resident Fish Distribution



MAP 17

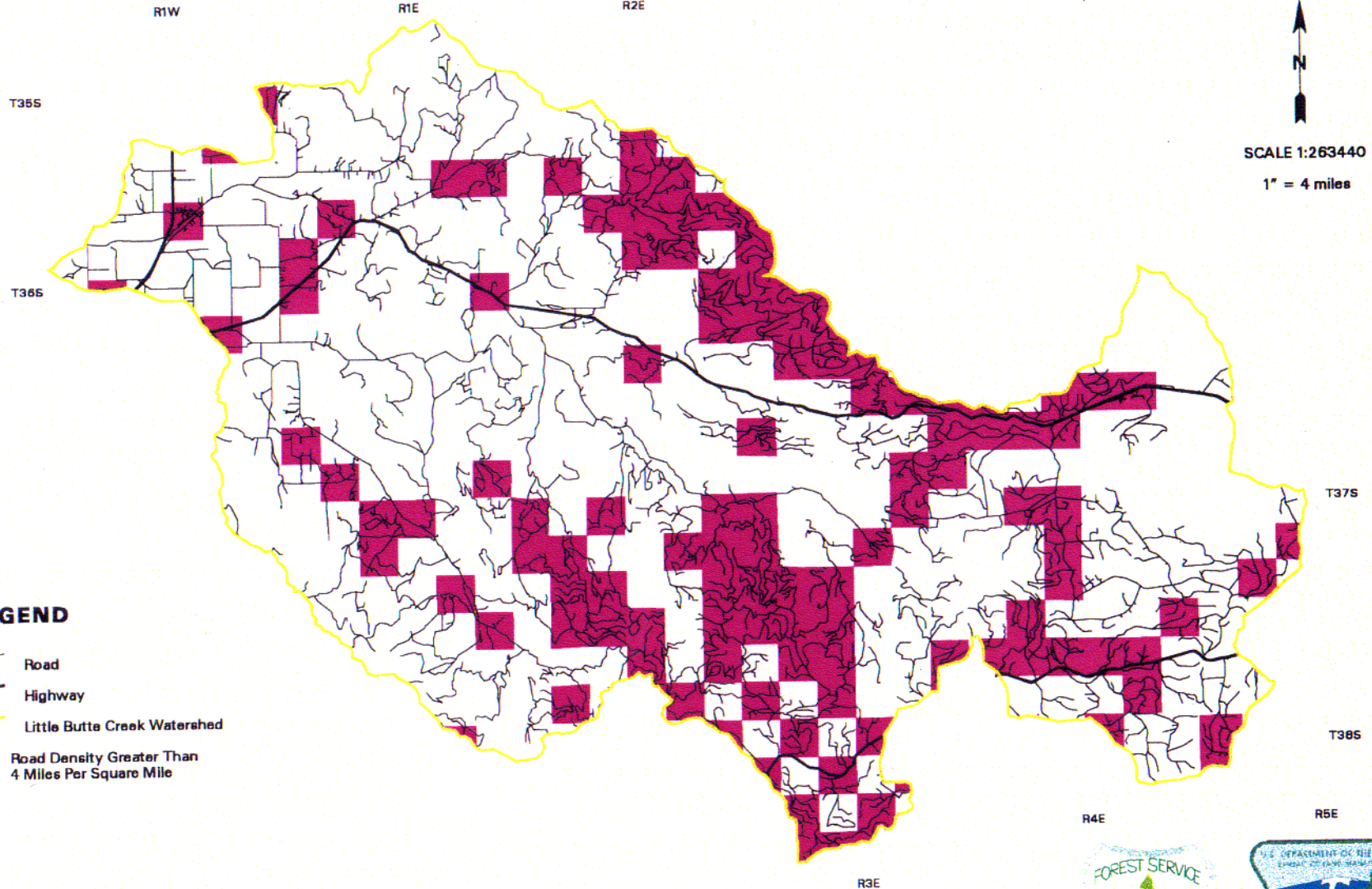
September 15, 1997

L. Zowada







SCALE 1:263440

1" = 4 miles



LEGEND

-  Road
-  Highway
-  Little Butte Creek Watershed
-  Road Density Greater Than 4 Miles Per Square Mile



**Little Butte Creek Watershed
High Road Density Sections**

MAP 19

September 16, 1997

D. Shupe



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S









T38S

R4E

R5E

R3E

LEGEND

-  Alluvial Bottom
-  Canyon Sideslopes
-  Lava Plateau
-  Stream Terrace
-  Valley Floor
-  Volcanic Peak
-  Clearcuts with Slope $\leq 30\%$
-  Clearcuts with Slope $> 30\%$

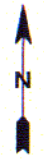
Little Butte Creek Watershed Federal Land Clearcut Acres



MAP 20

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S







T38S

R3E

R4E

R5E

LEGEND

-  STREAM
-  Low Hazard Rating
-  Moderate Hazard Rating
-  High Hazard Rating
-  Lake, Pond
-  Eagle Point

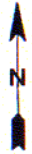
Little Butte Creek Watershed Fire Hazard



MAP 21

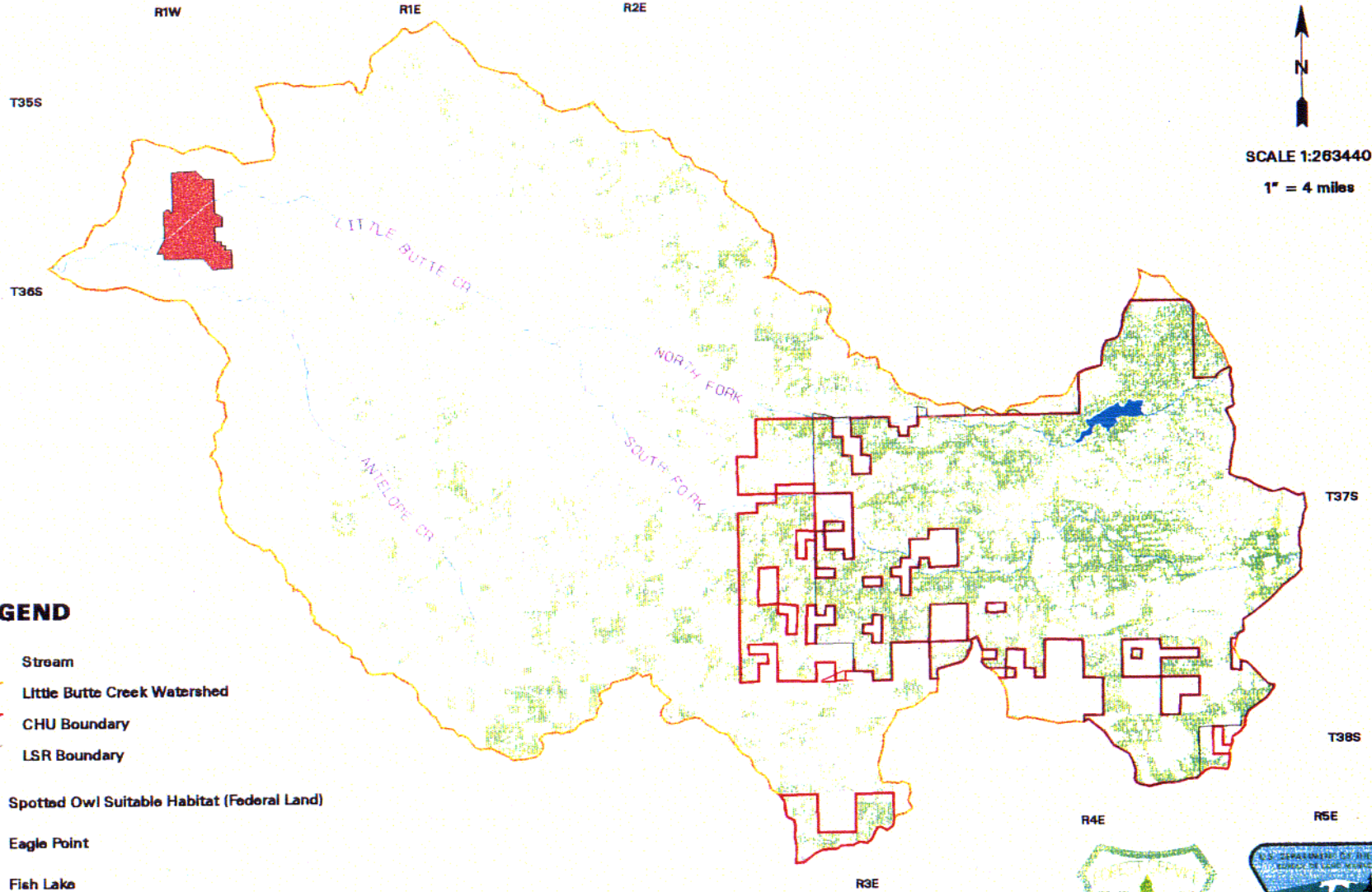
September 15, 1997

L. Zowada










SCALE 1:263440

1" = 4 miles



LEGEND

-  Stream
-  Little Butte Creek Watershed
-  CHU Boundary
-  LSR Boundary
-  Spotted Owl Suitable Habitat (Federal Land)
-  Eagle Point
-  Fish Lake

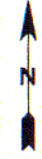
**Little Butte Creek Watershed
Spotted Owl Suitable Habitat Distribution**



MAP 22

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S









T38S

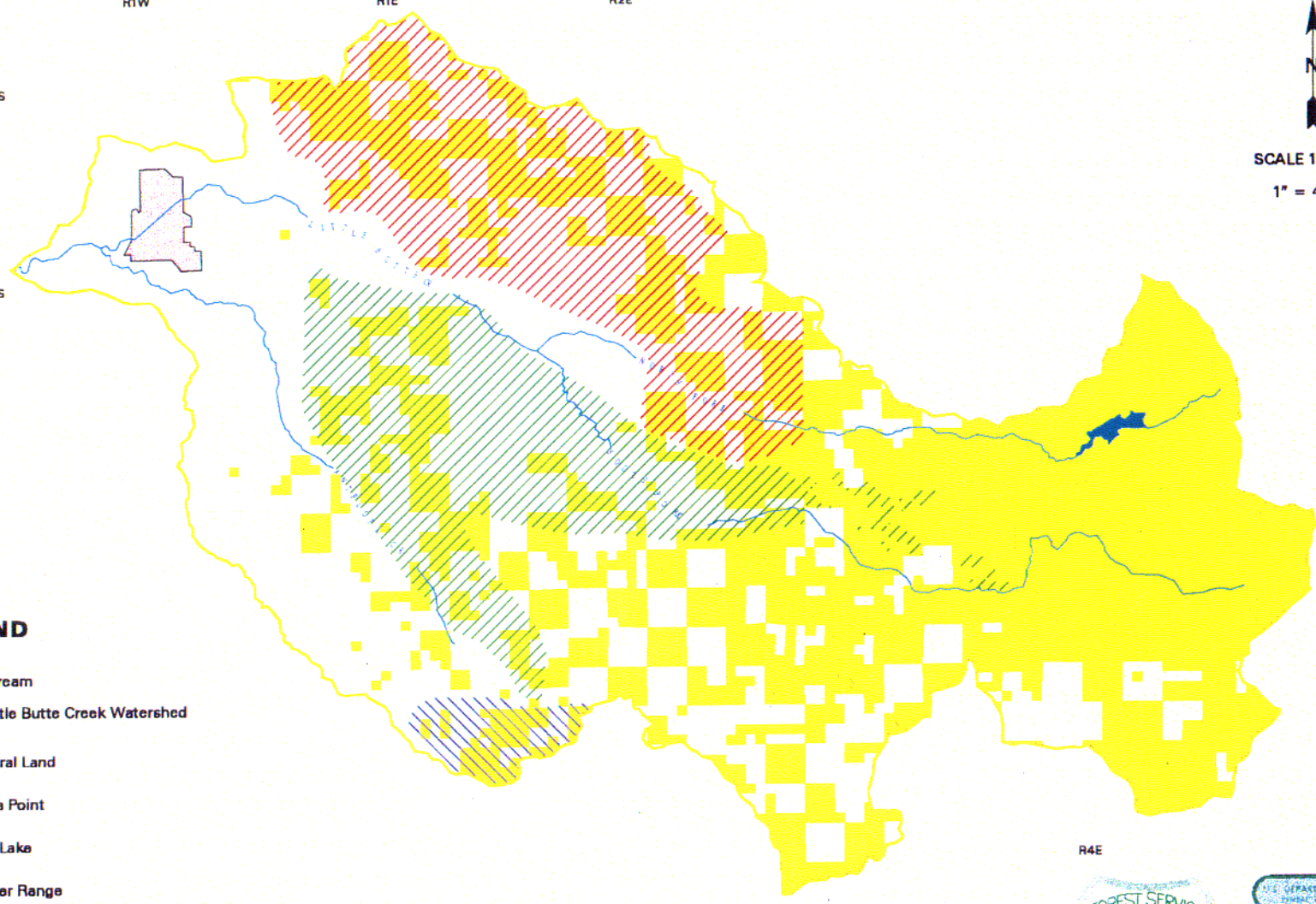
R4E

R5E

R3E

LEGEND

-  Stream
-  Little Butte Creek Watershed
-  Federal Land
-  Eagle Point
-  Fish Lake
-  Winter Range
-  Elk Range
-  Elk and Winter Range



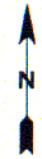
Little Butte Creek Watershed Big Game Areas



MAP 23

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S







T38S

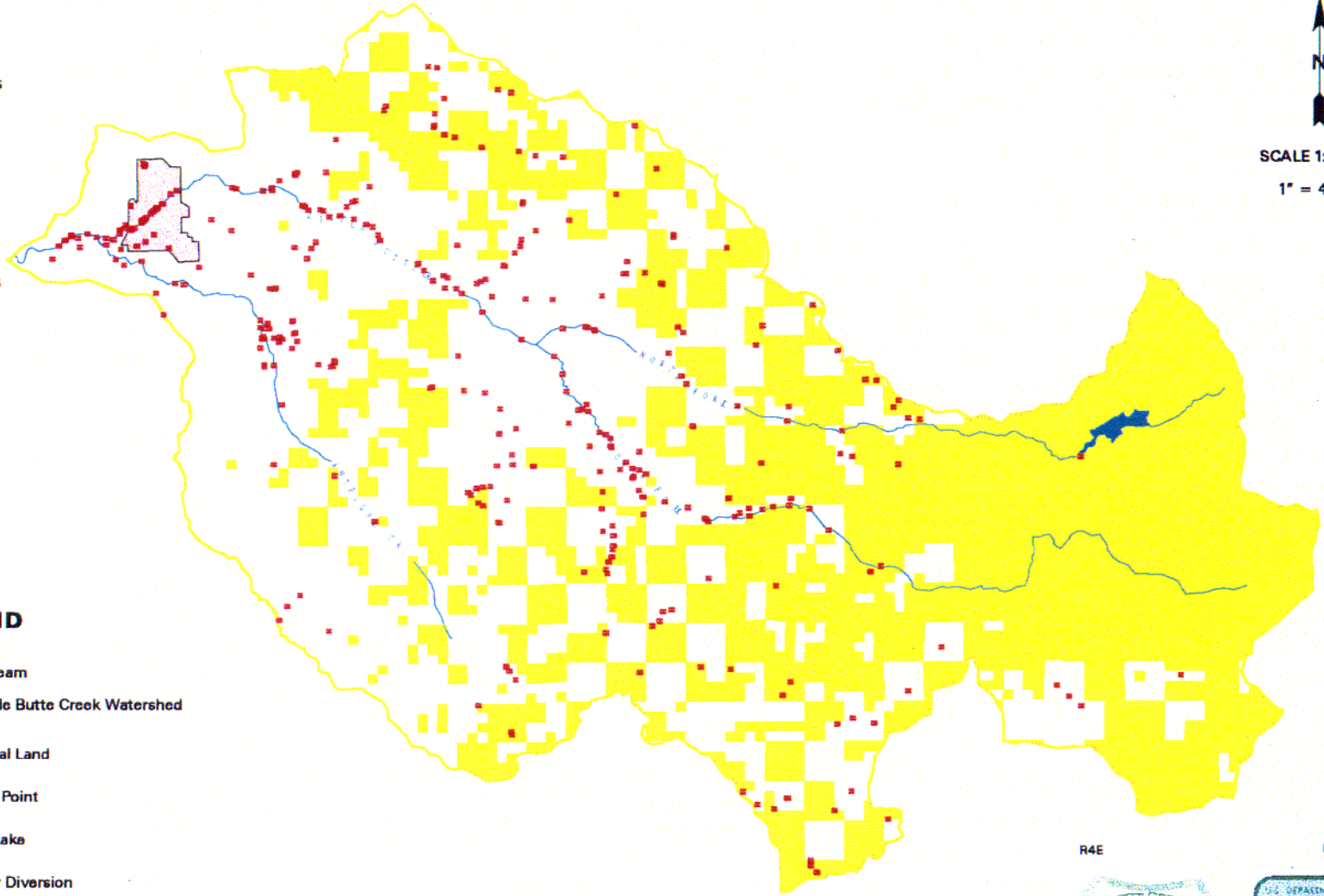
R4E

R3E

R5E

LEGEND

-  Stream
-  Little Butte Creek Watershed
-  Federal Land
-  Eagle Point
-  Fish Lake
-  Water Diversion



**Little Butte Creek Watershed
Water Right Diversions**



MAP 24

September 16, 1997

D. Shupe



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

Little Butte Creek

Avulope Creek

South Fork Little Butte Creek

North Fork Little Butte Creek

T37S








T38S

R4E

R5E

R3E

LEGEND

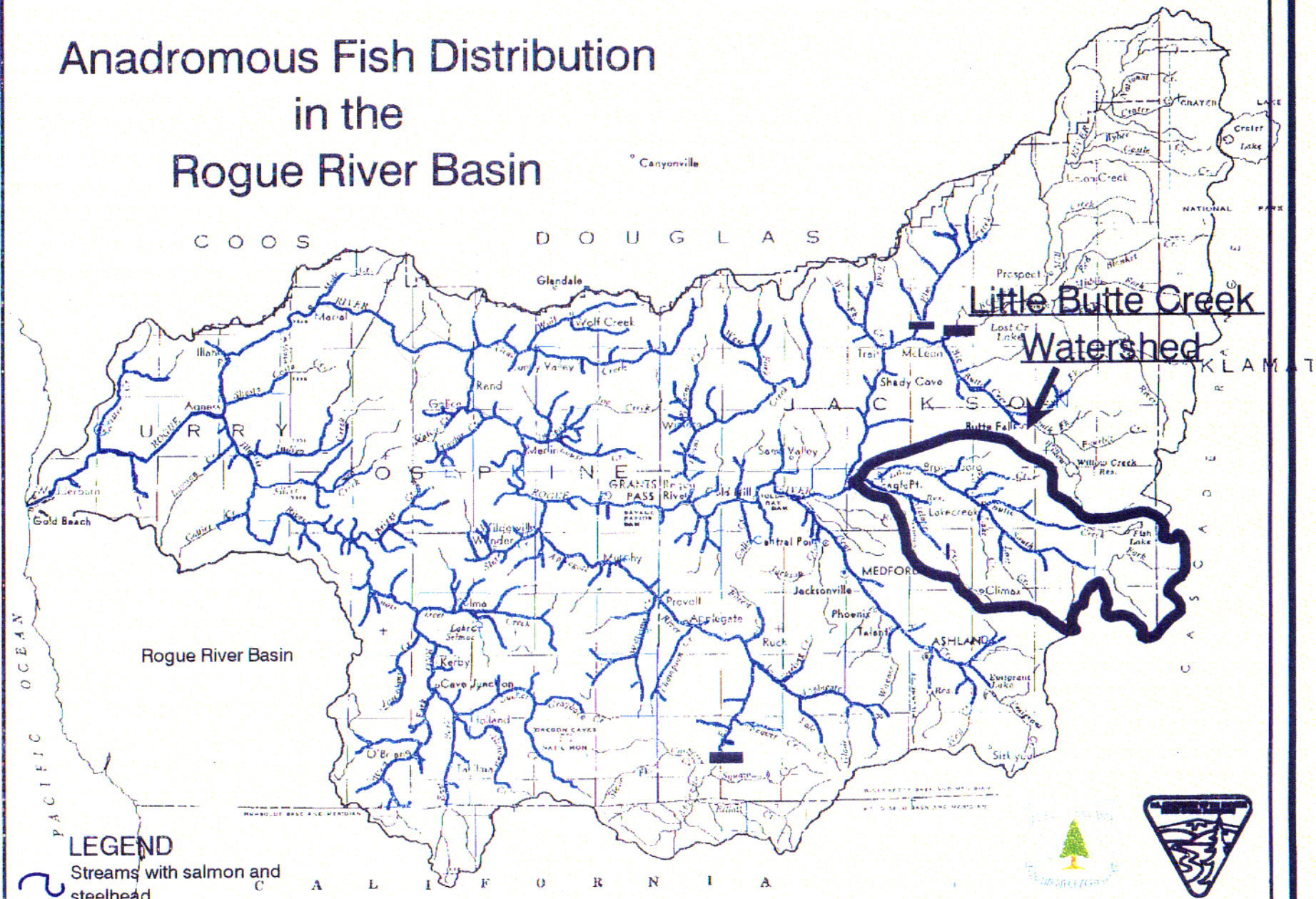
-  Sedimentation
-  Sedimentation, Habitat Modification
-  Temperature
-  Temperature, Fecal Coliform, Sedimentation
-  Temperature, Sedimentation, Habitat Modification, Flow Modification
-  pH, Chlorophyll a
-  Federal Land

Little Butte Creek Watershed Water Quality Limited Streams



MAP 25

Anadromous Fish Distribution in the Rogue River Basin



**Little Butte Creek
Watershed**

LEGEND

Streams with salmon and steelhead

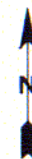
Dam - fish barrier



Map 26

September 16, 1997

D. Shupe



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S








T38S

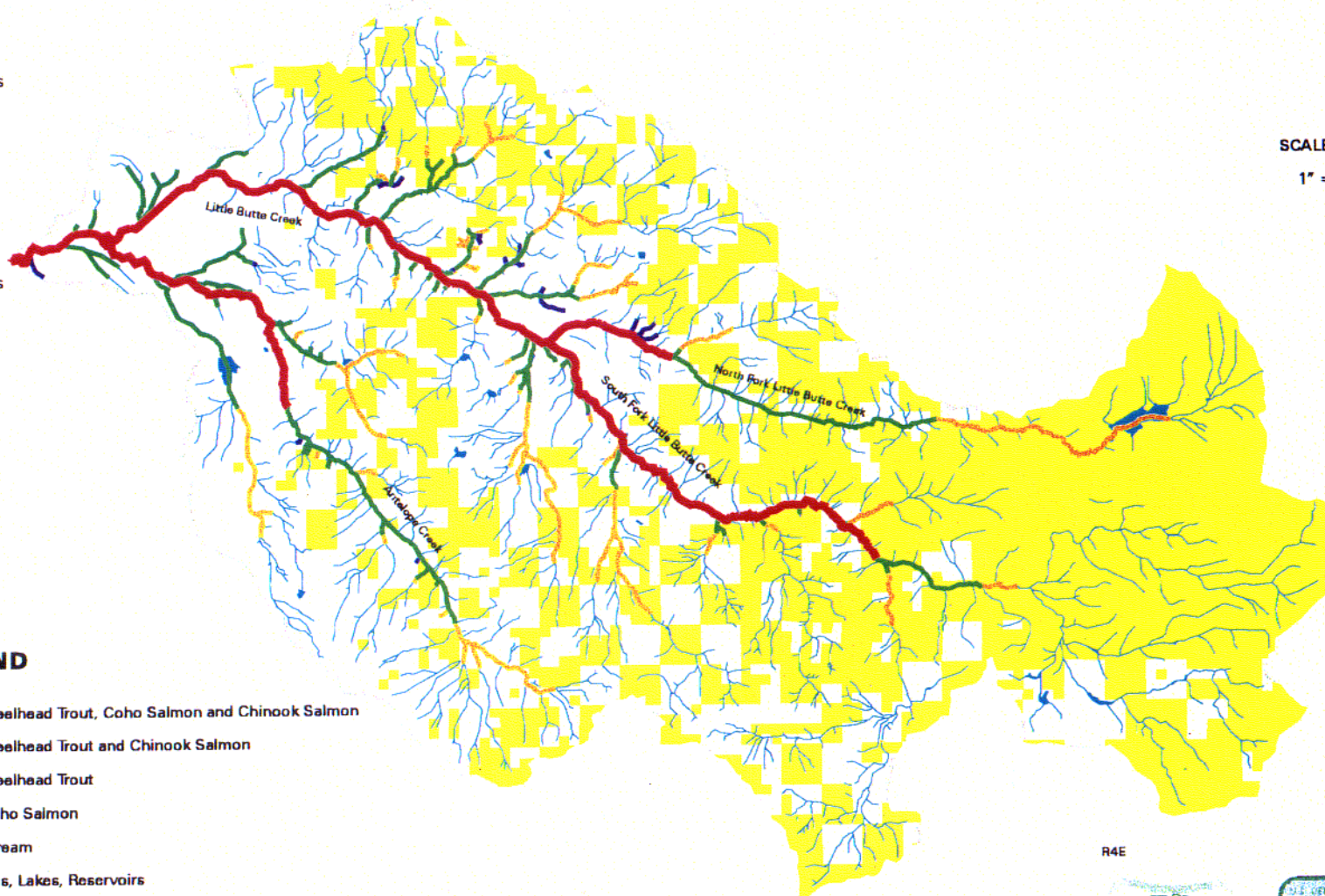
R4E

R5E

R3E

LEGEND

-  Steelhead Trout, Coho Salmon and Chinook Salmon
-  Steelhead Trout and Chinook Salmon
-  Steelhead Trout
-  Coho Salmon
-  Stream
-  Ponds, Lakes, Reservoirs
-  Federal land



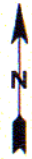
Little Butte Creek Watershed Historic Anadromous Fish Distribution



MAP 27

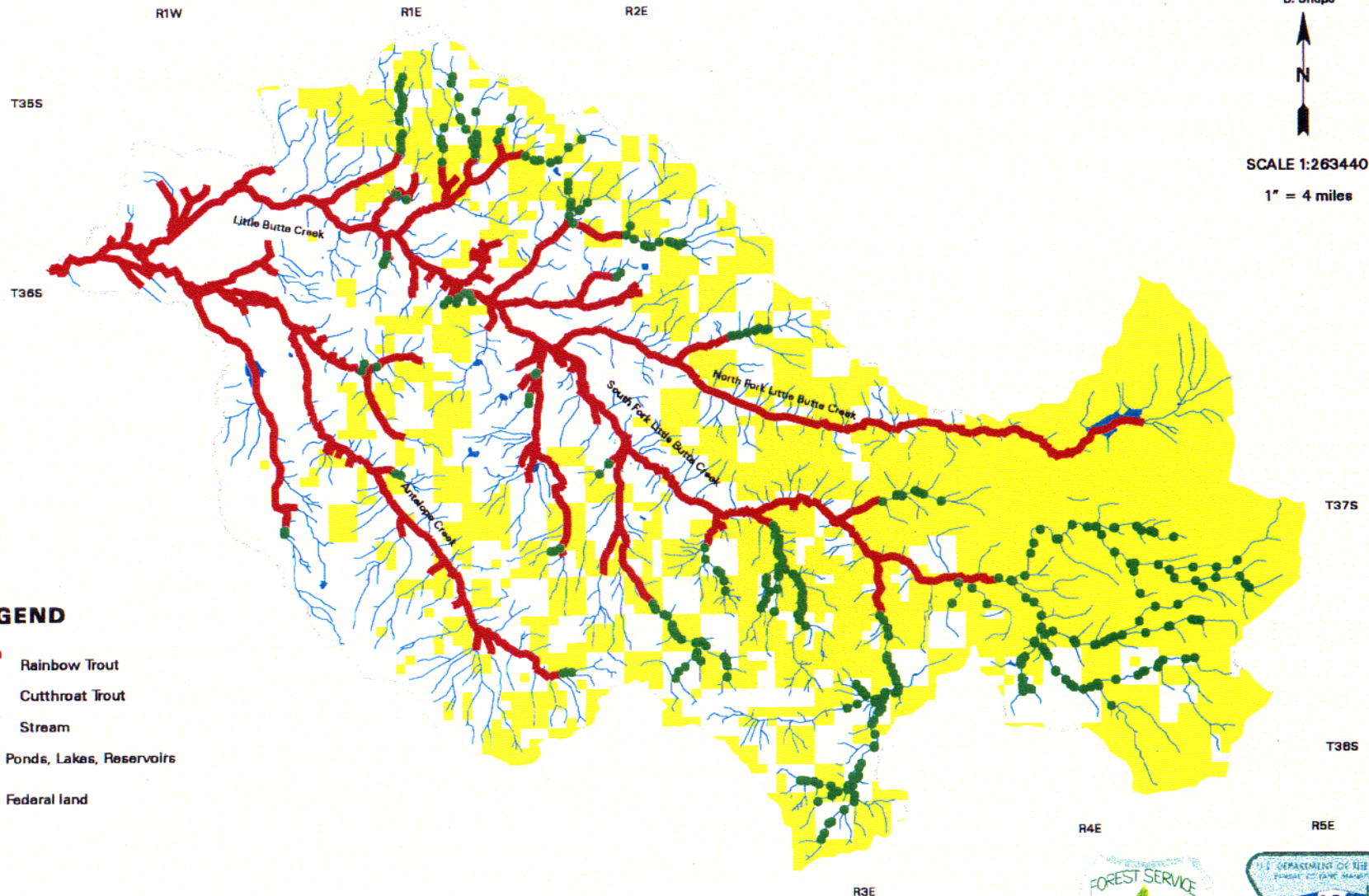
September 16, 1997

D. Shupe





SCALE 1:263440

1" = 4 miles



LEGEND

-  Rainbow Trout
-  Cutthroat Trout
-  Stream
-  Ponds, Lakes, Reservoirs
-  Federal land

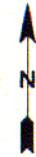
**Little Butte Creek Watershed
Historic Resident Fish Distribution**



MAP 28

September 15, 1997

L. Zowada



SCALE 1:263440

1" = 4 miles

R1W

R1E

R2E

T35S

T36S

T37S

T38S

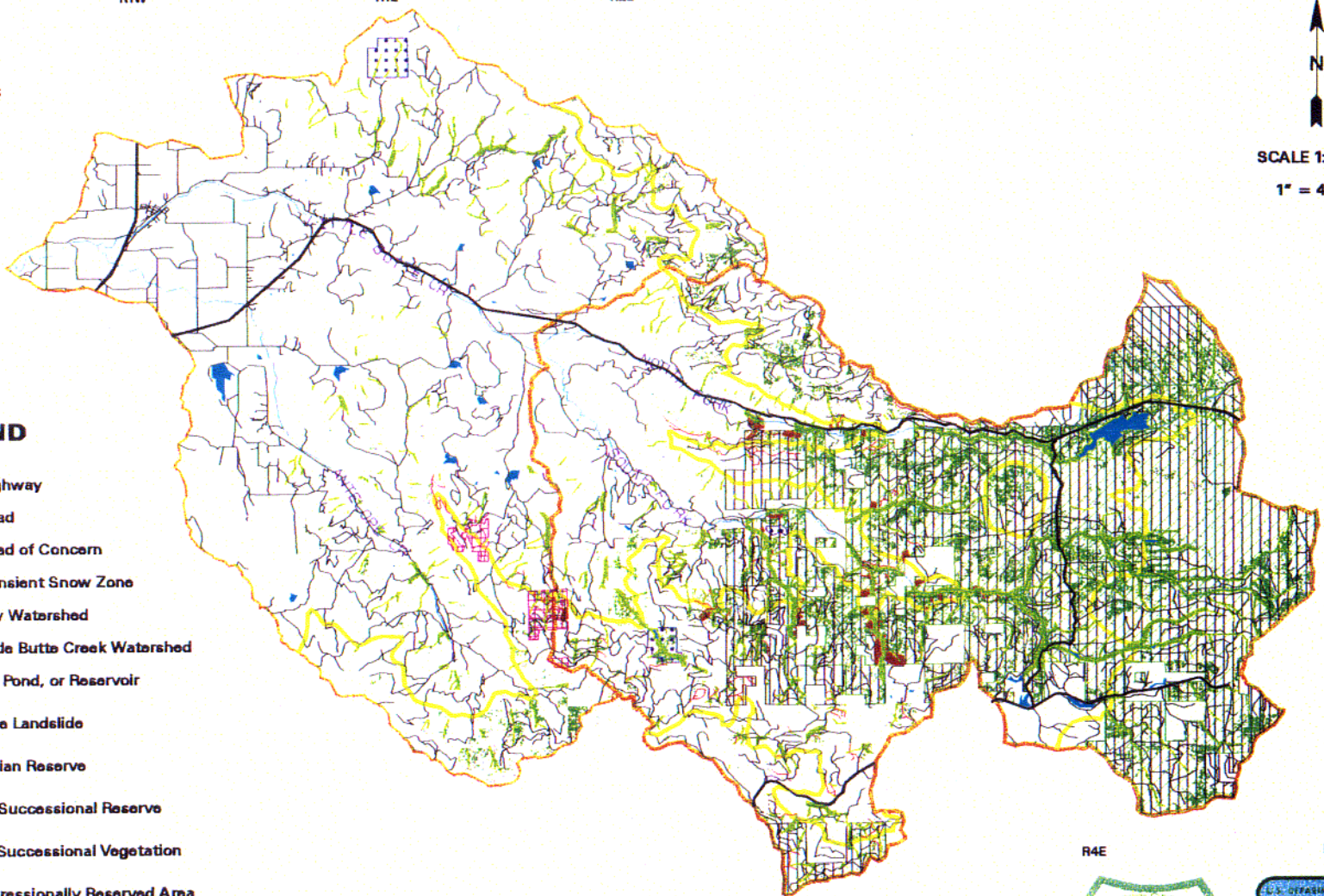
R4E

R6E

R3E

LEGEND

-  Highway
-  Road
-  Road of Concern
-  Transient Snow Zone
-  Key Watershed
-  Little Butte Creek Watershed
-  Lake, Pond, or Reservoir
-  Active Landslide
-  Riparian Reserve
-  Late-Successional Reserve
-  Late Successional Vegetation
-  Congressionally Reserved Area
-  Critical Habitat Unit OR-37
-  Administratively Withdrawn Area
-  Deferred Watershed



Little Butte Creek Watershed Landscape Planning



MAP 29