APPENDIX D
SOILS

The soil resources in the PRA are extremely diverse. This diversity is a result of the variability in parent material, slope, aspect, location on slope, elevation, climate, vegetative patterns, and time in place.

Soils information for the PRA was obtained from Soil Conservation Service (SCS) published soil surveys for Bingham County Area (1973), Star Valley Area (1976), Fort Hall Area (1977), Power County Area (1981), and Bannock County Area 1986). Information for Bear Lake, Caribou and Franklin Counties was obtained from ongoing surveys being made by the SCS and BLM.

Additional soil information and detail maps for the PRA are on file at the Idaho Falls District Office in Idaho Falls, Idaho, or can be obtained from the SCS.

Of the 264,481 acres in the PRA, 198,511 acres, or 75%, have moderately high to high erosion and 47,652 acres, or 18%, have a very high erosion rate. Soil mapping units by County with highest potential erosion rates are listed below and are also outlined on the soils map in Chapter 3..

POCATELLO SOILS MAPPING UNITS WITH HIGH EROSION POTENTIAL

Bannock County

ARBONE-HONDOHO COMPLEX 12-20 % SLOPES
BRONCHO VARIANT-POCATELLO COMPLEX 20-50 % SLOPES
BRONCHO VARIANT-RIRIE-POCATELLO COMPLEX 20-50 % SLOPES
CAMELBACK-CEDARHILL HIGH PRECIPITATION-LANARK COMPLEX 20-50 % SLOPES
CAMELBACK-GREYS COMPLEX 20-30 % SLOPES
CEDARHILL-IRELAND-ROCK OUTCROP COMPLEX 30-60 % SLOPES
CEDARHILL-RIRIE-WATERCANYON COMPLEX 30-60 % SLOPES
CEDARHILL-ROCK OUTCROP COMPLEX 30-60 % SLOPES
CEDARHILL HIGH PRECIPITATION-CAMELBACK-MOONLIGHT COMPLEX 30-60 % SLOPES
CEDARHILL HIGH PRECIPITATION-HADES-RICREST COMPLEX 20-50 % SLOPES
CEDARHILL HIGH PRECIPITATION-HONDOHO-ARBONE COMPLEX 20-50% SLOPES
CEDARHILL HIGH PRECIPITATION-HONDOHO-RIDGECREST COMPLEX 20-50 % SLOPES
CEDARHILL HIGH PRECIPITATION-TRAILCREEK-COALBANK COMPLEX 20-50 % SLOPES
COALBANK-TRAILCREEK-LONIGAN COMPLEX 12-20 % SLOPES
COALBANK-TRAILCREEK-LONIGAN COMPLEX 20-50 % SLOPES
HADES-CAMELBACK-HONDOHO COMPLEX 30-60 % SLOPES
HADES-LANOAK-CAMELBACK COMPLEX 20-50 % SLOPES
HONDOHO-ARBONE-RIRIE COMPLEX 20-50 % SLOPES
HONDOHO-LANOAK-CAMELBACK COMPLEX 20-50 % SLOPES
IRELAND-HADES-CEDARHILL COMPLEX 20-60 % SLOPES
LANOAK SILT LOAM 20-30 % SLOPES
LANOAK-CAMELBACK COMPLEX 20-50 % SLOPES
MOONLIGHT SILT LOAM 30-60 % SLOPES

Bannock County (cont'd)

MOONLIGHT-CAMELBACK ASSOCIATION 30-60 % SLOPES
MOONLIGHT-PAVOHROO COMPLEX 30-60 % SLOPES
PAVOHROO-MOONLIGHT COMPLEX 30-60 % SLOPES
POCATELLO SILT LOAM 12-20 % SLOPES
POCATELLO SILT LOAM 20-30 % SLOPES
REXBURG SILT LOAM 20-40 % SLOPES
RIRIE-WATERCANYON COMPLEX 20-30 % SLOPES
RIRIE-WATERCANYON-CEDARHILL COMPLEX 12-30 % SLOPES
VALMAR-CAMELBACK-HADES COMPLEX 30-60 % SLOPES
VALMAR LOW PRECIPITATION-WATER CANYON-HONDOHO COMPLEX 20-50 % SLOPES
WATERCANYON-SWANNER-ROCK OUTCROP COMPLEX 20-50 % SLOPES
WURSTEN-WATERCANYON VARIANT-HONDOHO COMPLEX 12-40 % SLOPES

Bear Lake County

COLLEY-VEEHUNT ASSOCIATION 40-80 % SLOPES
CUTOFF VAR. JACOBY VAR.-CUPINE COMPLEX 40-70 % SLOPES
EVERRY-PREUSS COMPLEX 25-45 % SLOPES
DEMAST VAR.-HERD VAR. COMPLEX 12-30 % SLOPES
CAUSEY VAR.-ARAVETON VAR. COMPLEX 12-30 % SLOPES
PAVOHROO-MOONLIGHT COMPLEX 20-50 % SLOPES
RIDGECREST-LIZZANT COMPLEX 20-70 % SLOPES
SWAMPYDRAW VAR.-THACHER VAR. COMPLEX 5-25 % SLOPES
UNNAMED (Mapping unit) 40-70 % SLOPES
TOZE VAR.-WHITORE VAR.-DRANYON VAR. ASSOC. 20-65 % SLOPES

Bingham County

ALPON SILT LOAM STEEP 30-60 % SLOPES
DRANYON SILT LOAM STEEP 30-60 % SLOPES
LANARK SILT LOAM ROLLING 0-30 % SLOPES
LANARK-ROBIN SILT LOAM ROLLING 0-30 % SLOPES
NEWDALE SILT LOAM HILLY 20-30 % SLOPES
NEWDALE SILT LOAM STEEP 30-60 % SLOPES
PAVOHROO LOAM STEEP 30-60 % SLOPES
REXBURG-WAHTIGUP ASSOCIATION HILLY 0-30 % SLOPES
ROBIN SILT LOAM ROLLING 0-30 % SLOPES
ROBIN-GILISPIE COMPLEX STEEP 30-60 % SLOPES
ROBIN-SWANNER ASSOCIATION STEEP 30-60 % SLOPES
TETONIA SILT LOAM ROLLING 0-30 % SLOPES
TETONIA SILT LOAM STEEP 30-60 % SLOPES
WAHTIGUP STONY LOAM STEEP 30-60 % SLOPES

Caribou County

CAMELBACK-CEDARHILL HIGH PRECIPITATION-LANARK COMPLEX 20-50 % SLOPES
CEDARHILL-CAMELBACK-HADES COMPLEX 30-60 % SLOPES
CEDARHILL HIGH PRECIPITATION-CAMELBACK-MOONLIGHT COMPLEX 20-50 % SLOPES
CEDARHILL HIGH PRECIPITATION-HONDOHO-RIDGECREST COMPLEX 20-50 % SLOPES
CEDARHILL VARIANT-CEDARHILL COMPLEX 20-60 % SLOPES
HADES-LANOAK-CAMELBACK COMPLEX 20-50 % SLOPES
HONDOHO-ARBONE-RIRIE COMPLEX 20-50 % SLOPES
IRELAND-HADES-CEDARHILL COMPLEX 20-60 % SLOPES
MOONLIGHT-CAMELBACK ASSOCIATION 30-60 % SLOPES
PAULSON-ROCKLAND COMPLEX 30-60 % SLOPES
PAULSON-LAIL ASSOCIATION 30-60 % SLOPES
PAULSON-OSMUND ASSOCIATION 30-60 % SLOPES
PAVOHROO-DATEMAN-STARLEY COMPLEX 20-60 % SLOPES
PAVOHROO-DRANYON ASSOCIATION 20-50 % SLOPES
PAVOHROO-VARIANT-LANOAK VARIANT-GREY VARIANT 20-50 % SLOPES
RIRIE-WATERCANYON-CEDARHILL COMPLEX 12-30 % SLOPES
VALMAR-CAMELBACK-HADES COMPLEX 30-60 % SLOPES
WURSTEN VARIENT-MOONLIGHT COMPLEX 30-60 % SLOPES

Franklin County

POVEY-HADES ASSOCIATION 10-50 % SLOPES
BURGI-IRELAND COMPLEX 12-60 % SLOPES
NORTHWATER-POVEY ASSOCIATION 30-60 % SLOPES
DRANYON-ROBIN COMPLEX 15-45 % SLOPES
NORTHWATER-FITZGERALD ASSOCIATION 10-60 % SLOPES
BERQUIST-CAMELBACK COMPLEX 12-60 % SLOPES
CAMELBACK-VITALE ASSOCIATION 40-60 % SLOPES
PAVOHROO-POVEY ASSOCIATION 30-60 % SLOPES
VITALE-BERQUEST ASSOCIATION 30-60 % SLOPES
WARMCREEK-COPENHAGEN COMPLEX 12-30 % SLOPES
WARMCREEK-LONIGAN COMPLEX 12-30 % SLOPES
YEATES HOLLOW-CAMELBACK ASSOCIATION 20-40 % SLOPES

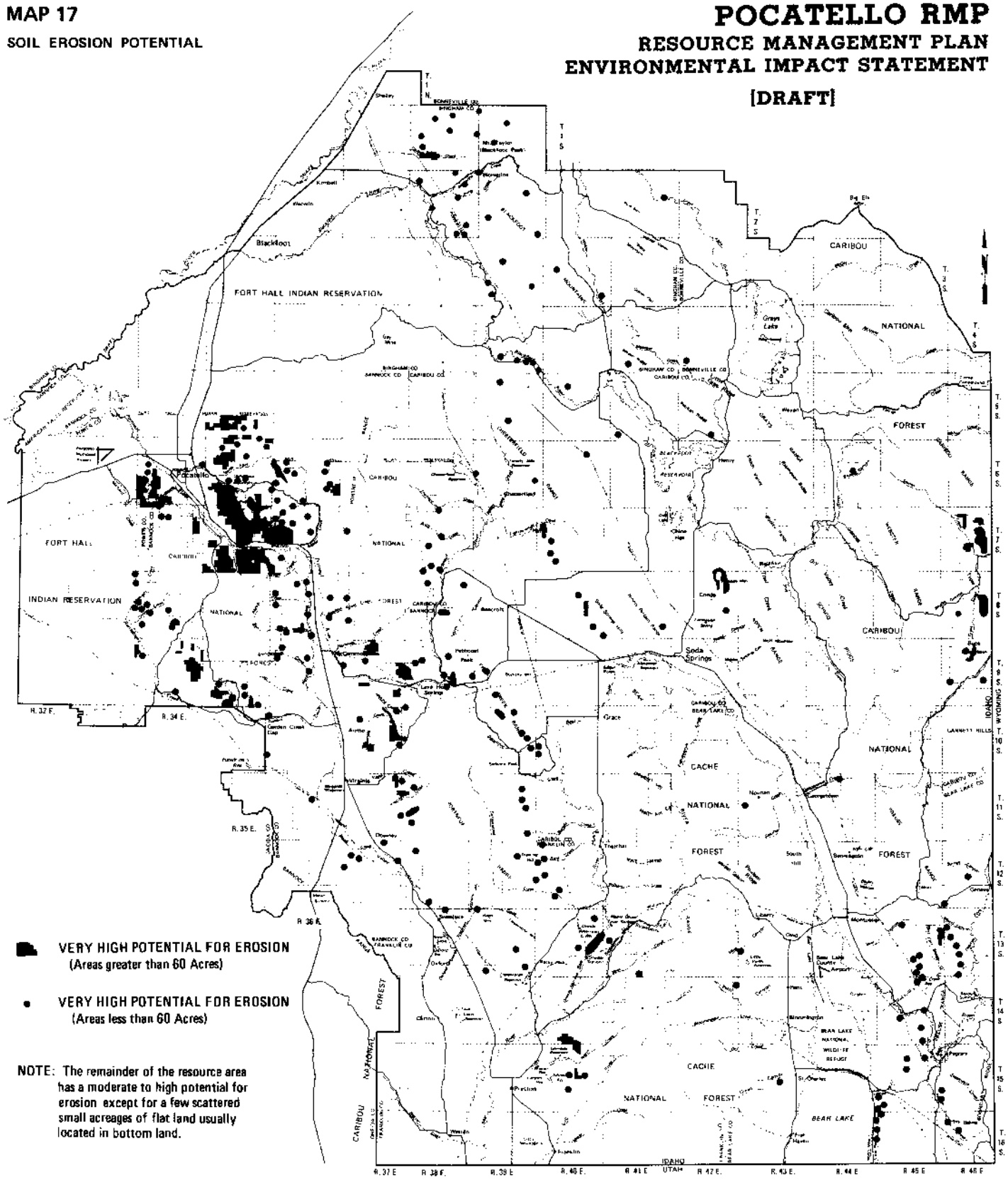
Power County

LANOAK SILT LOAM 20-30 % SLOPES
LANOAK SILT LOAM 30-45 % SLOPES
MOOHOO-PAVOHROO COMPLEX 20-60 % SLOPES
NEWDALE SILT LOAM HILLY 20-30 % SLOPES
NEWDALE SILT LOAM STEEP 30-60 % SLOPES
WAHTIGUP-HONDOHO COMPLEX 30-60 % SLOPES
WHEELERVILLE SILT LOAM 12-20 % SLOPES

MAP 17

SOIL EROSION POTENTIAL

POCATELLO RMP
RESOURCE MANAGEMENT PLAN
ENVIRONMENTAL IMPACT STATEMENT
[DRAFT]



VERY HIGH POTENTIAL FOR EROSION (Areas greater than 60 Acres)

VERY HIGH POTENTIAL FOR EROSION (Areas less than 60 Acres)

NOTE: The remainder of the resource area has a moderate to high potential for erosion except for a few scattered small acreages of flat land usually located in bottom land.