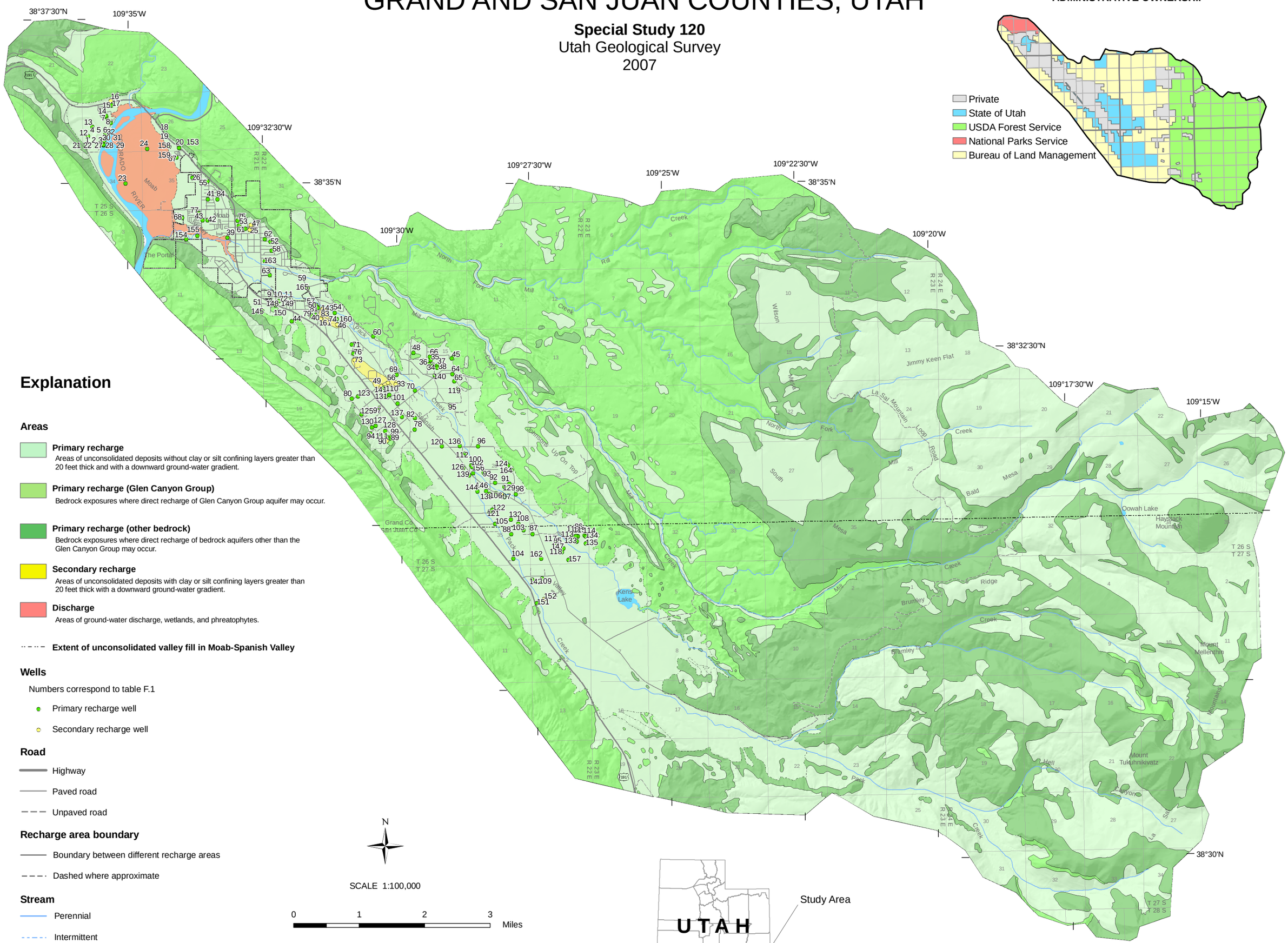
Plate 7

RECHARGE AND DISCHARGE AREAS FOR MOAB-SPANISH VALLEY, GRAND AND SAN JUAN COUNTIES, UTAH

Special Study 120
Utah Geological Survey
2007



Explanation

Areas

Primary recharge
Areas of unconsolidated deposits without clay or silt confining layers greater than 20 feet thick and with a downward ground-water gradient.

Primary recharge (Glen Canyon Group)
Bedrock exposures where direct recharge of Glen Canyon Group aquifer may occur.

Primary recharge (other bedrock)
Bedrock exposures where direct recharge of bedrock aquifers other than the Glen Canyon Group may occur.

Secondary recharge
Areas of unconsolidated deposits with clay or silt confining layers greater than 20 feet thick with a downward ground-water gradient.

Discharge
Areas of ground-water discharge, wetlands, and phreatophytes.

Extent of unconsolidated valley fill in Moab-Spanish Valley

Wells

Numbers correspond to table F.1

Primary recharge well

Secondary recharge well

Road

Highway

Paved road

Unpaved road

Recharge area boundary

Boundary between different recharge areas

Dashed where approximate

Stream

Perennial

Intermittent

Boundary

Municipal boundary

County boundary

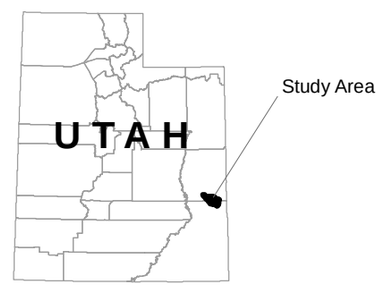
N

SCALE 1:100,000

0 1 2 3 Miles

0 1 2 3 4 5 Kilometers

Map Projection: Universal Transverse Mercator, zone 12
Horizontal Datum: North American Datum 1983
Base map derived from US Geological Survey Digital Elevation Models



Digital compilation by Justin Johnson and Richard Emerson