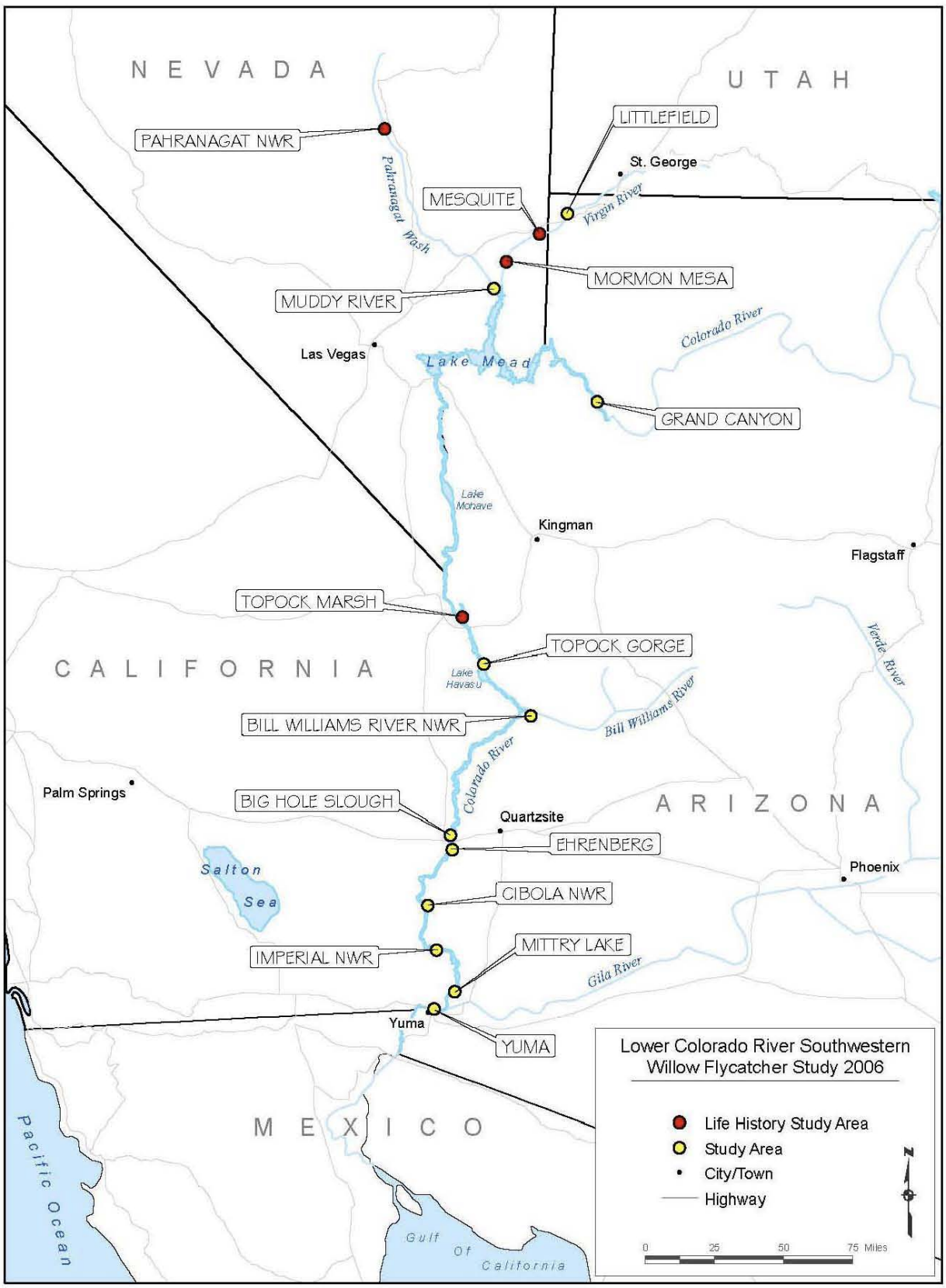
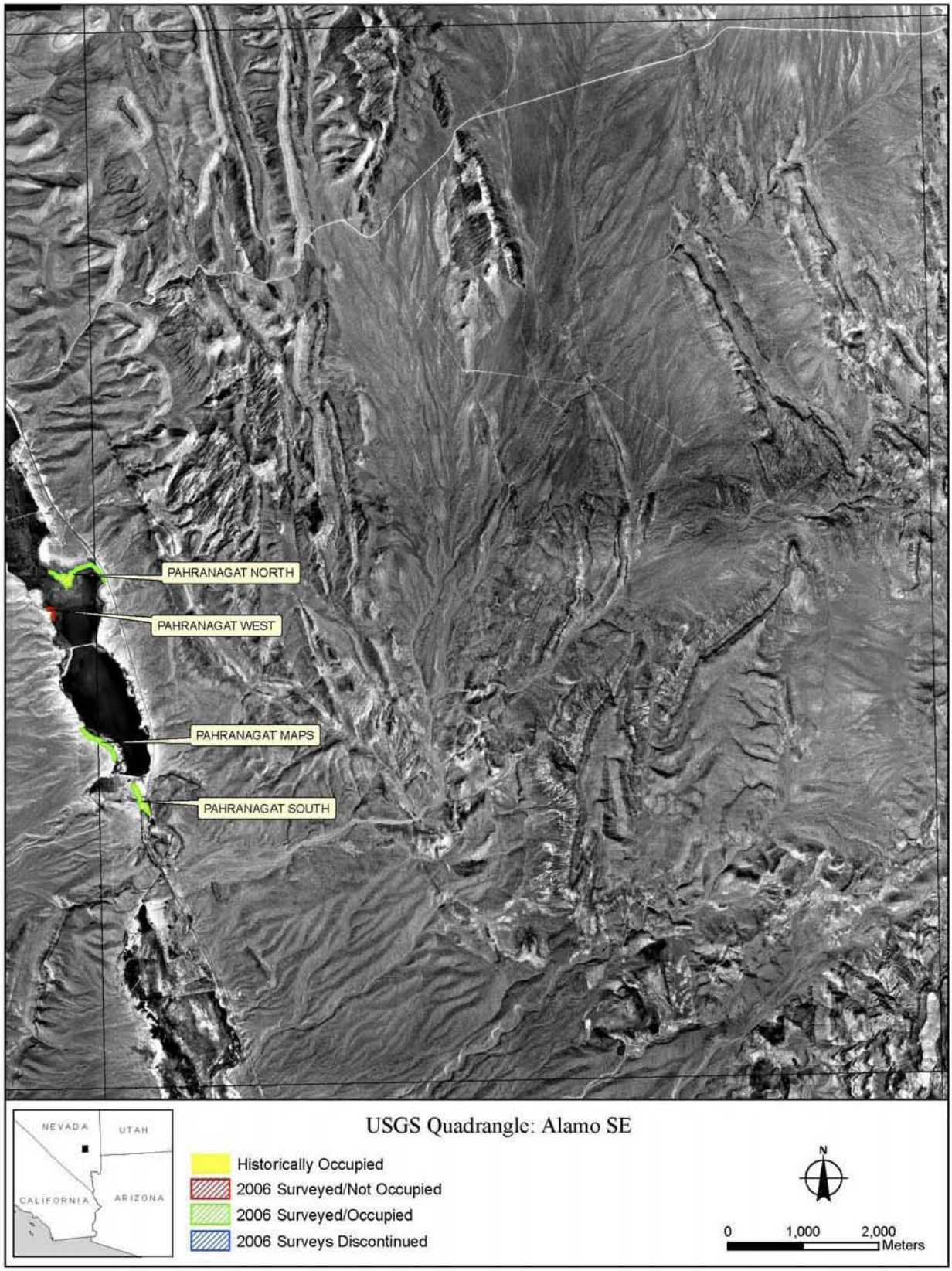
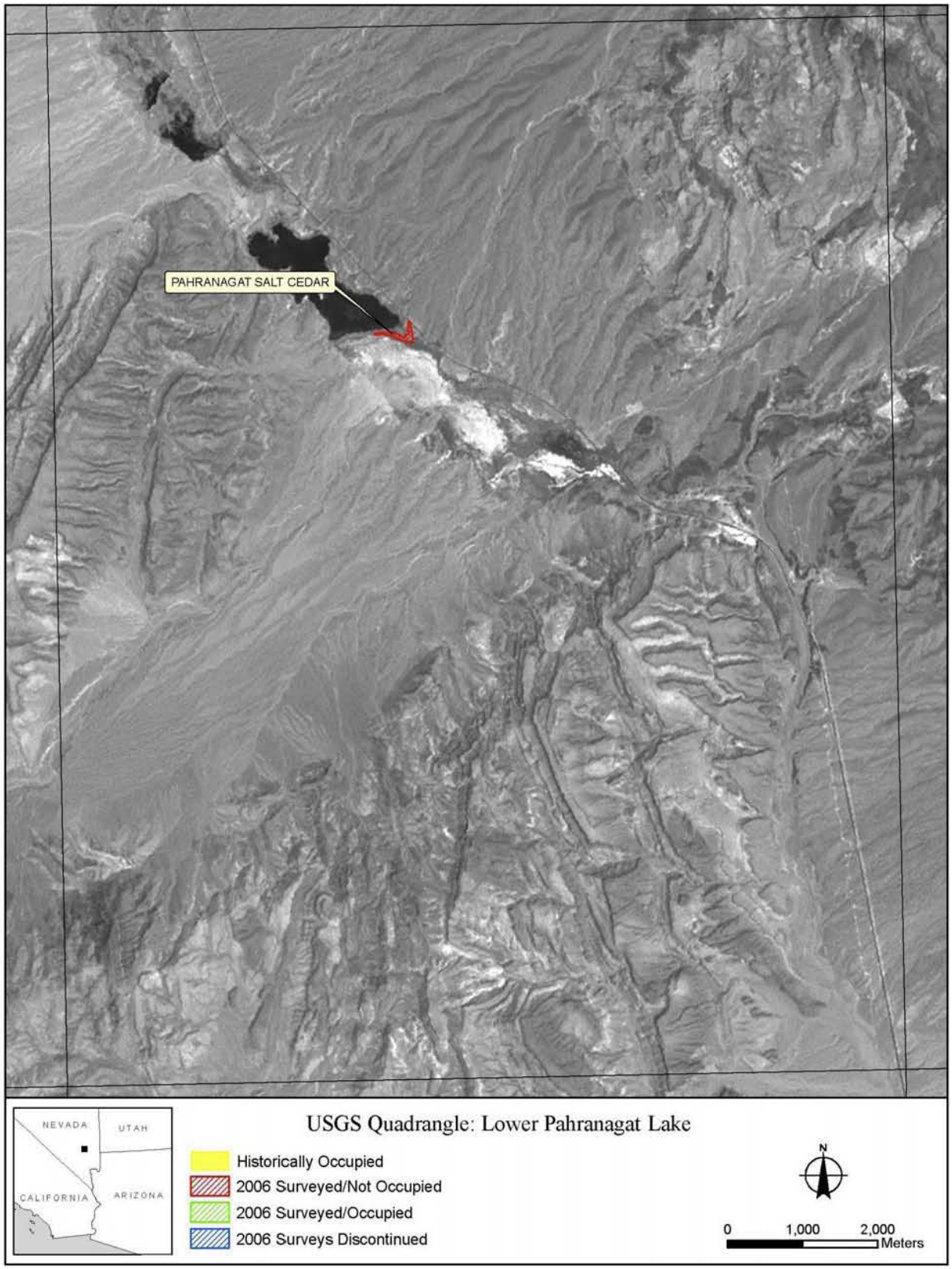
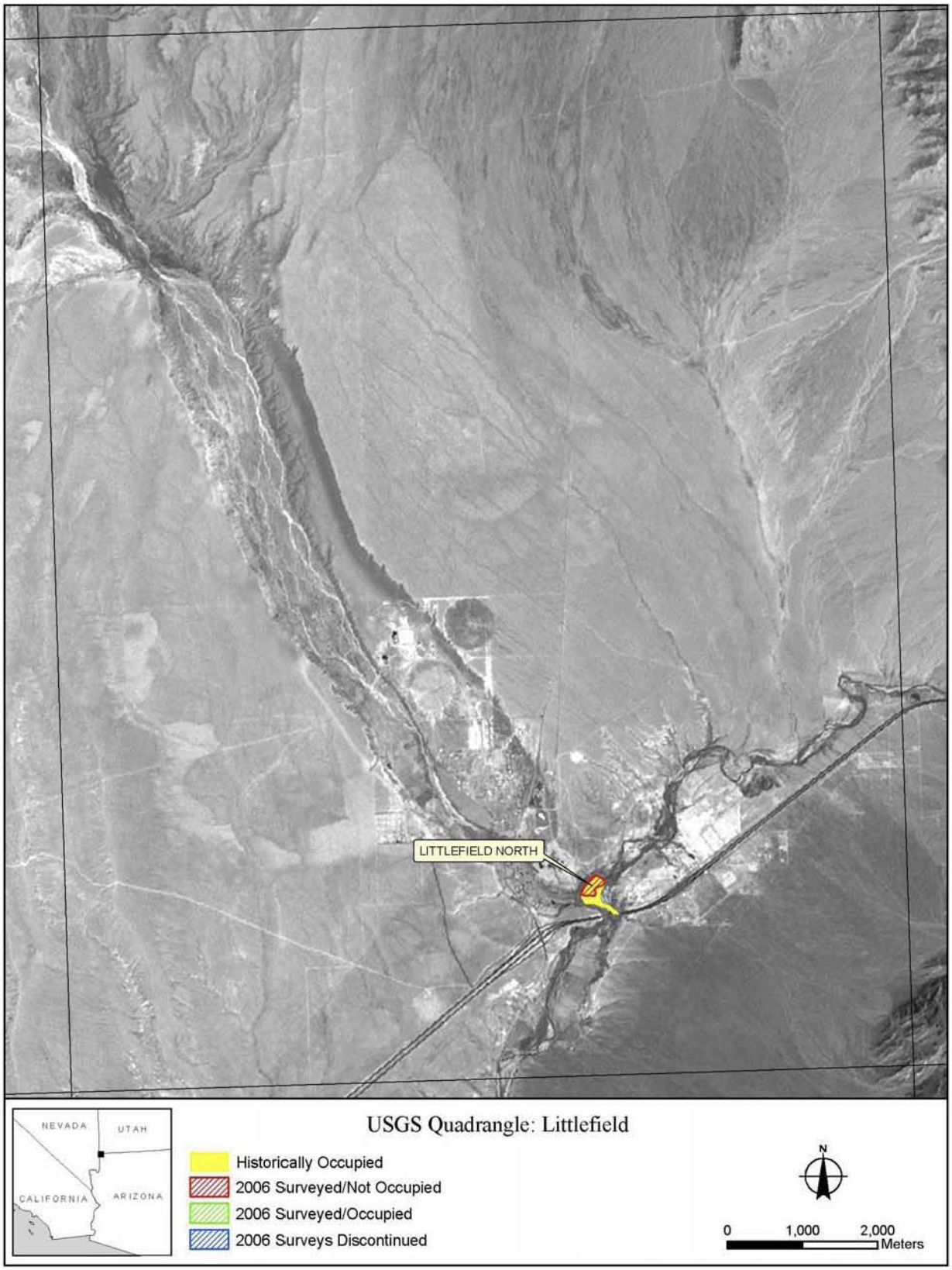
APPENDIX B

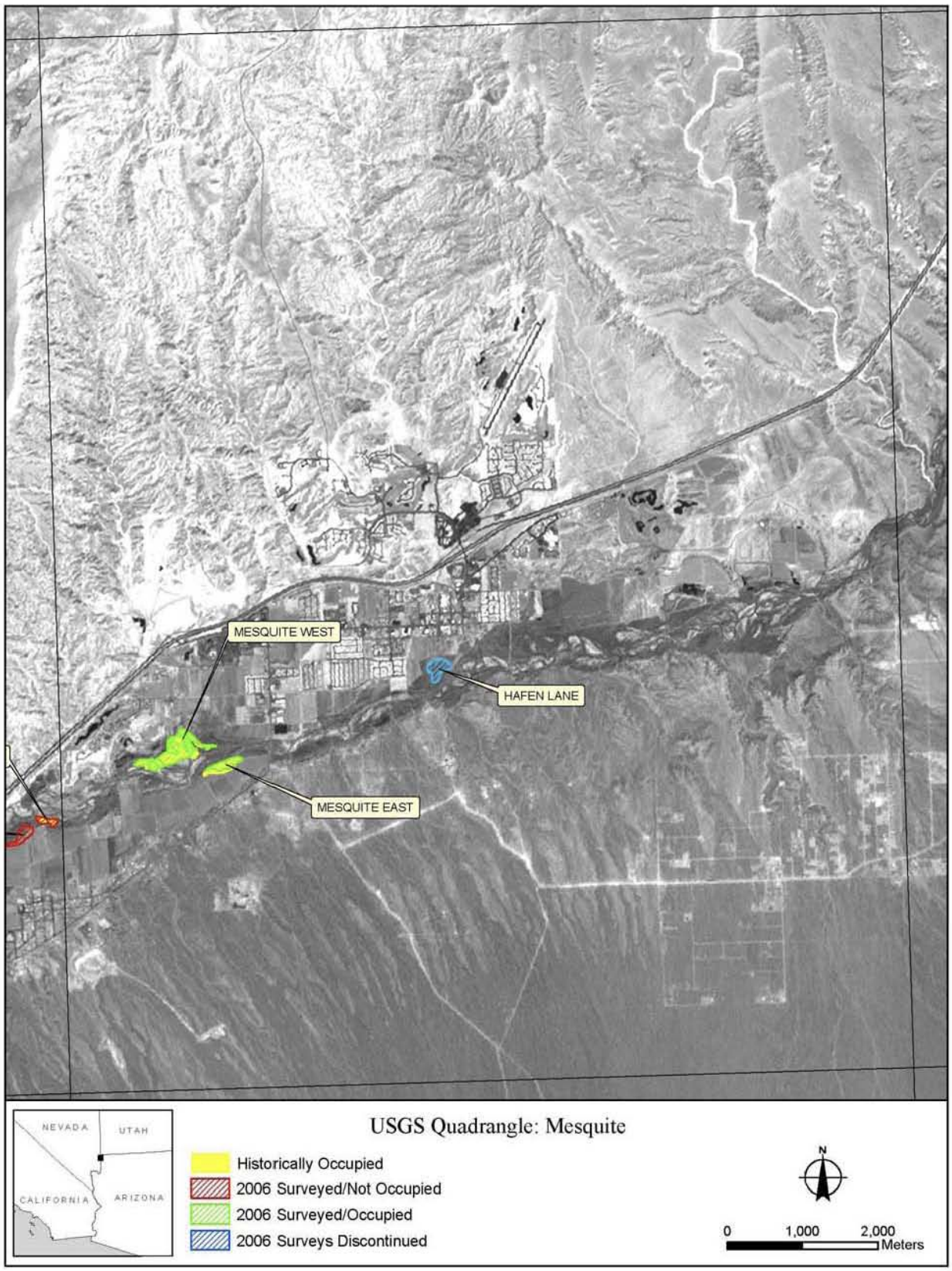
Orthophotos Showing Study Sites

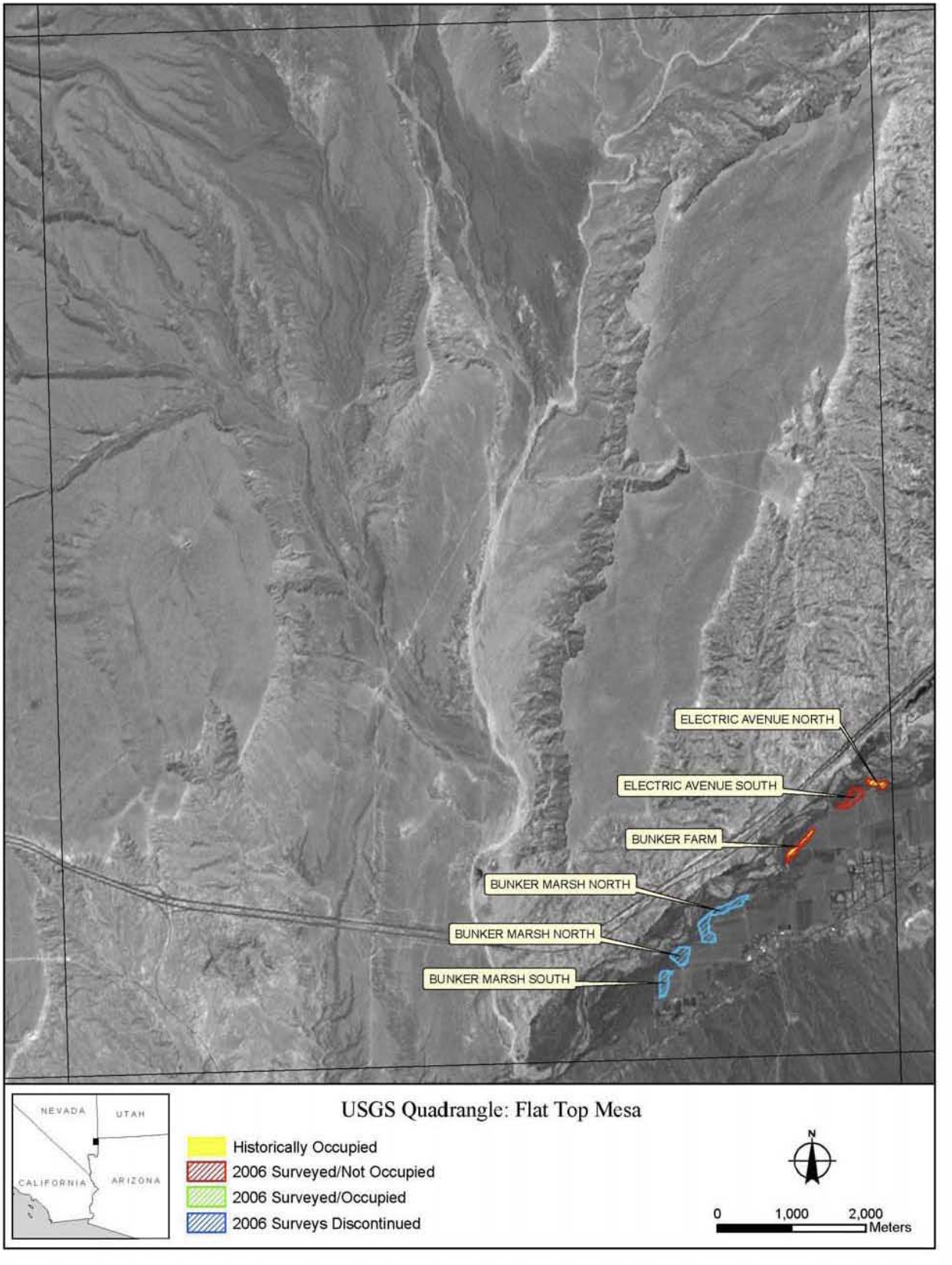

NEVADA
UTAH
CALIFORNIA
ARIZONA
MEXICO
PAHRANAGAT NWR
Pahranagat Wash
LITTLEFIELD
St. George
MESQUITE
Virgin River
MORMON MESA
MUDDY RIVER
Las Vegas
Lake Mead
Colorado River
GRAND CANYON
Lake Mohave
Kingman
Flagstaff
TOPOCK MARSH
TOPOCK GORGE
Lake Havasu
Verde River
BILL WILLIAMS RIVER NWR
Bill Williams River
Colorado River
Palm Springs
BIG HOLE SLOUGH
Quartzsite
EHRENBERG
Salton Sea
Phoenix
CIBOLA NWR
IMPERIAL NWR
MITTRY LAKE
Gila River
Yuma
YUMA
Pacific Ocean
Gulf Of California
Lower Colorado River Southwestern Willow Flycatcher Study 2006
Life History Study Area
Study Area
City/Town
Highway
N
0
25
50
75 Miles

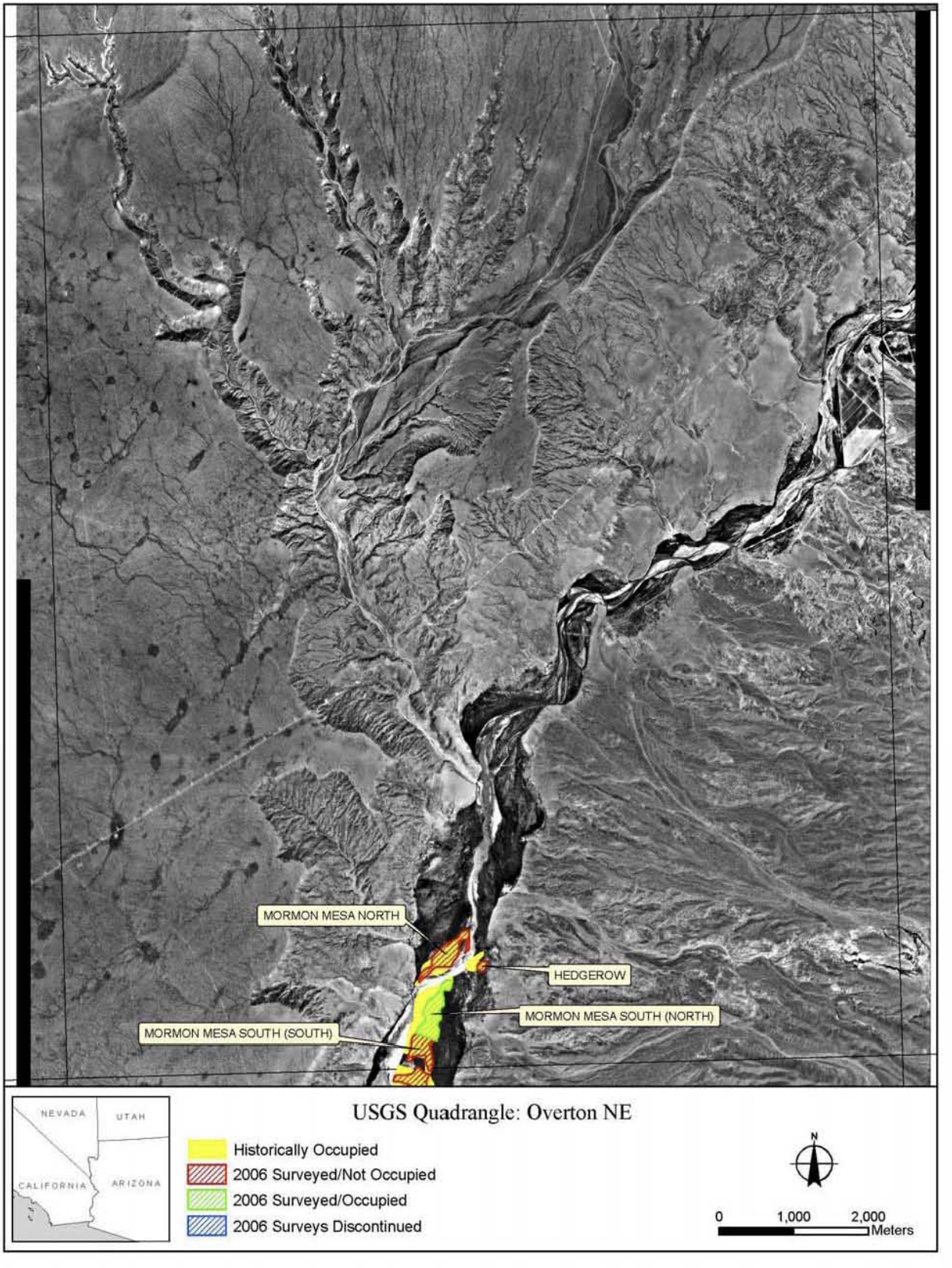

PAHRANAGAT NORTH
PAHRANAGAT WEST
PAHRANAGAT MAPS
PAHRANAGAT SOUTH
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Alamo SE
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

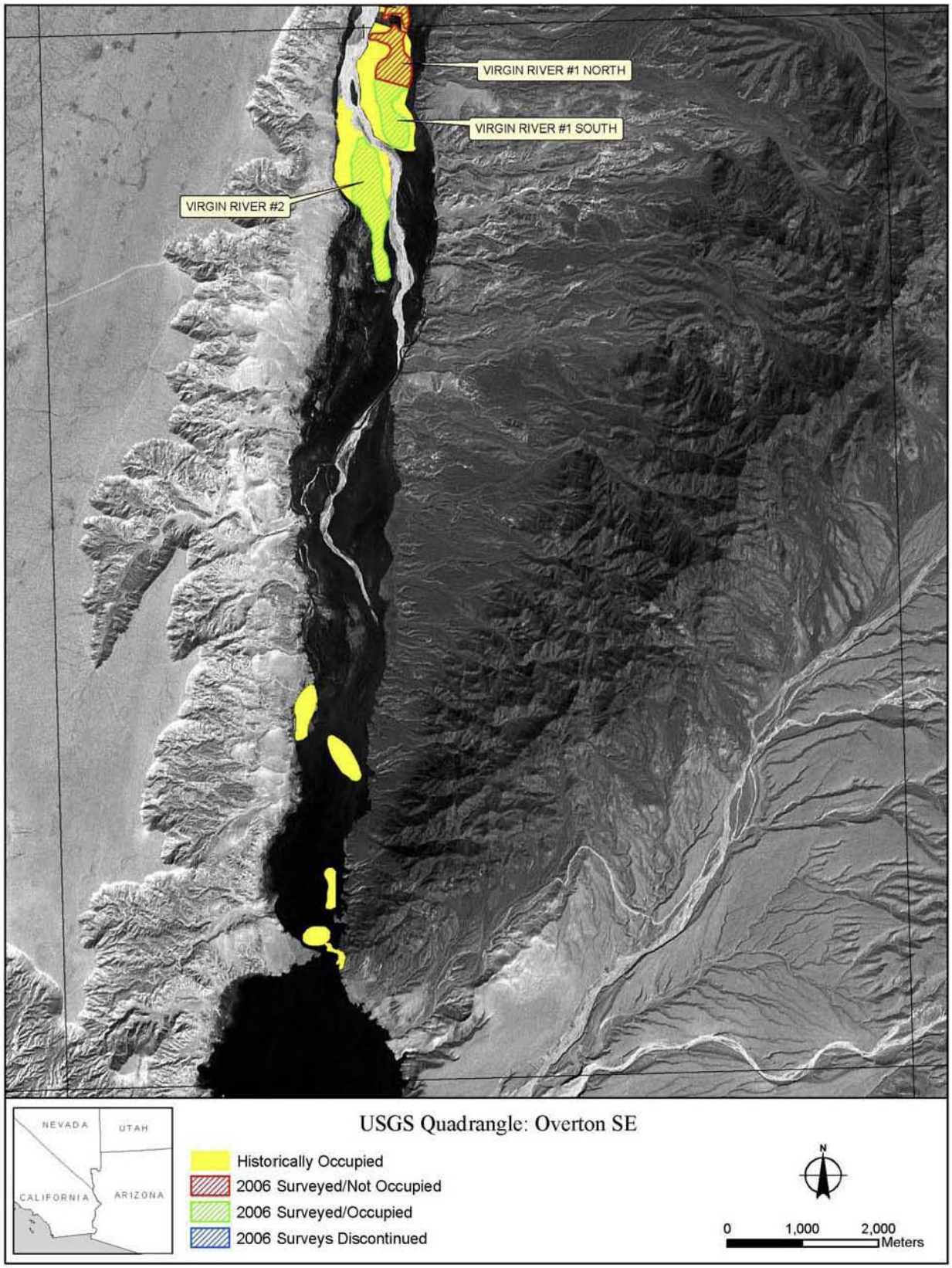

PAHRANAGAT SALT CEDAR
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Lower Pahranagat Lake
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

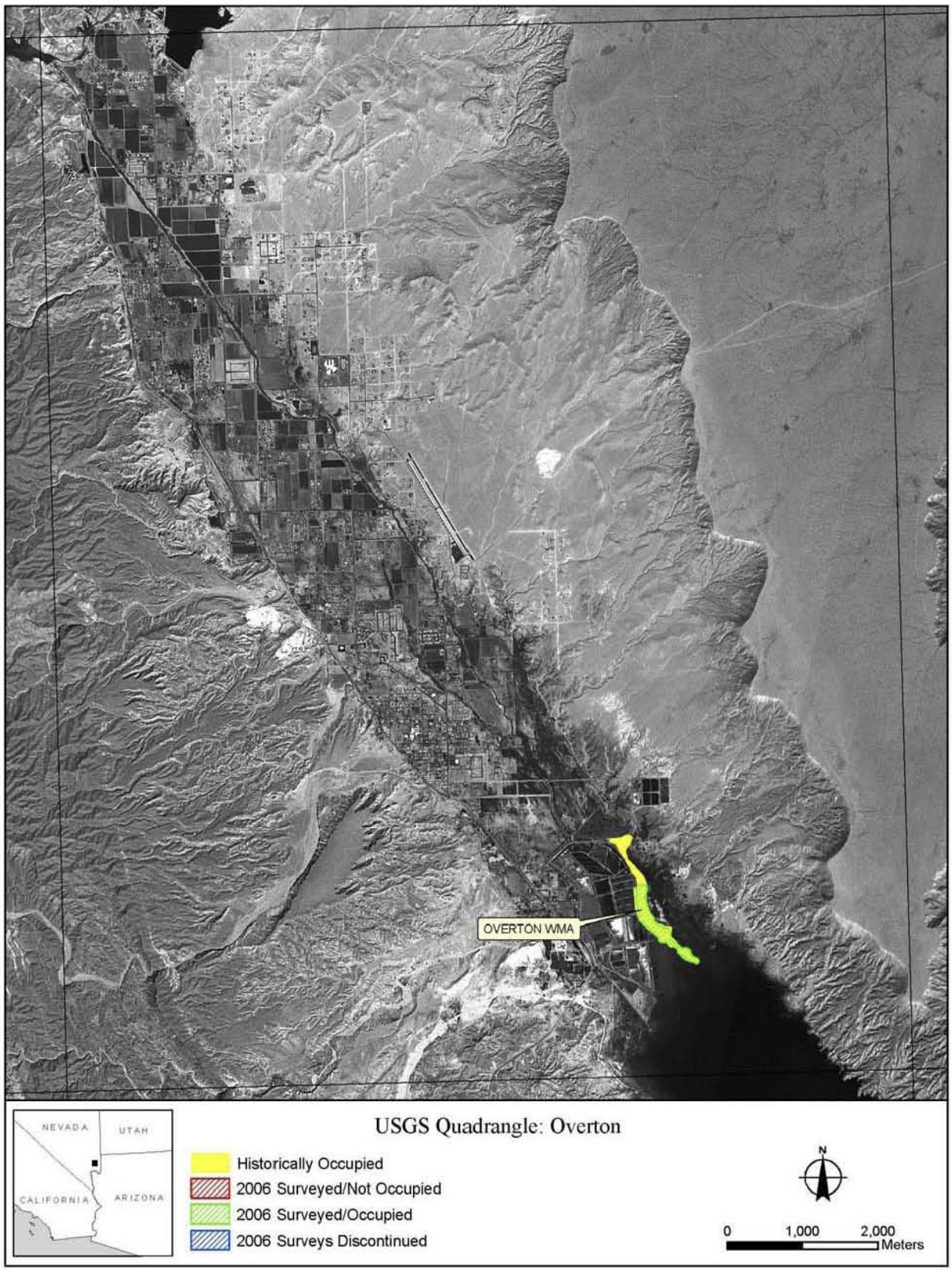

LITTLEFIELD NORTH
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Littlefield
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

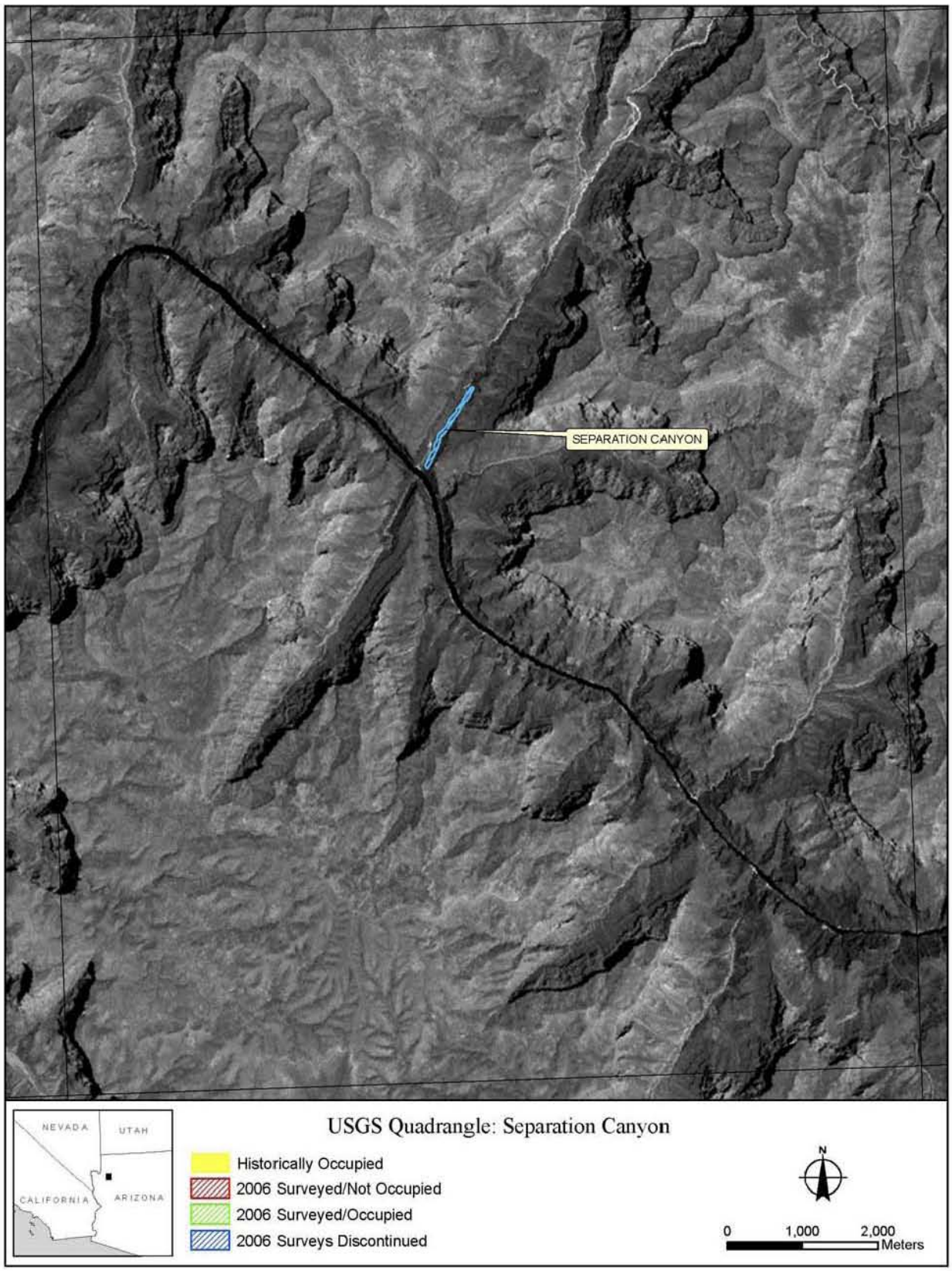

MESQUITE WEST
HAFEN LANE
MESQUITE EAST
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Mesquite
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

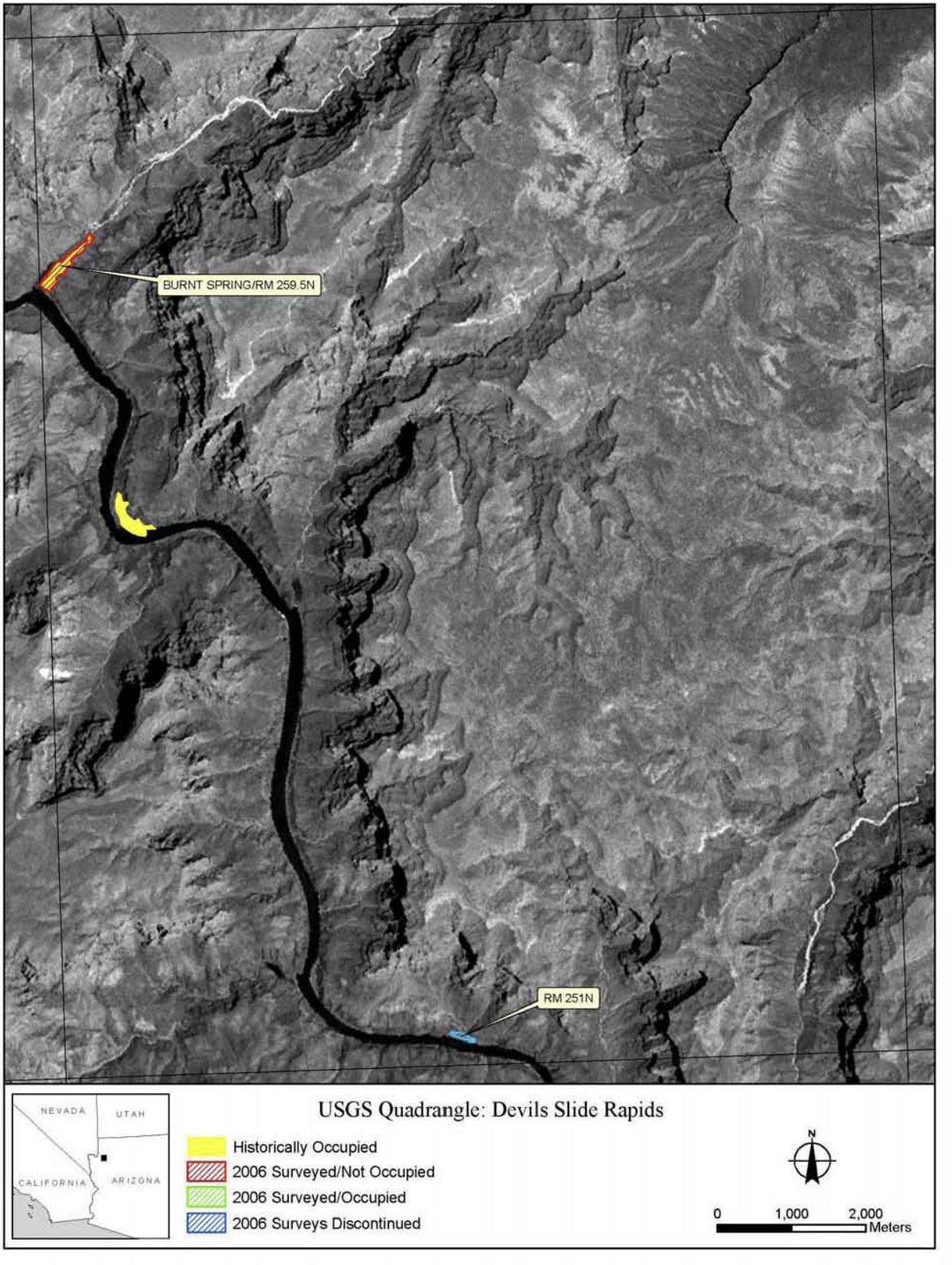

ELECTRIC AVENUE NORTH
ELECTRIC AVENUE SOUTH
BUNKER FARM
BUNKER MARSH NORTH
BUNKER MARSH NORTH
BUNKER MARSH SOUTH
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Flat Top Mesa
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

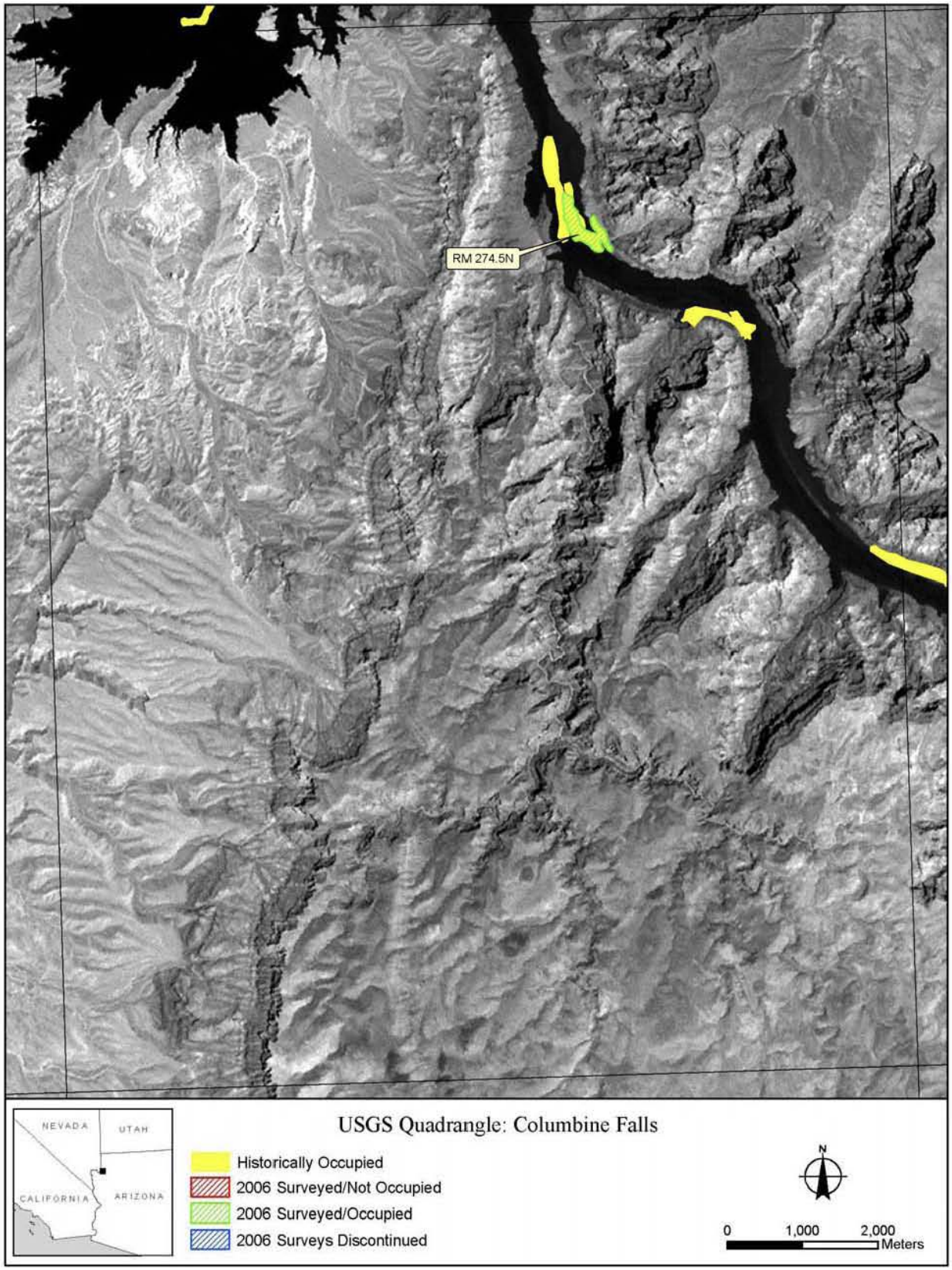

MORMON MESA NORTH
HEDGEROW
MORMON MESA SOUTH (NORTH)
MORMON MESA SOUTH (SOUTH)
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Overton NE
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

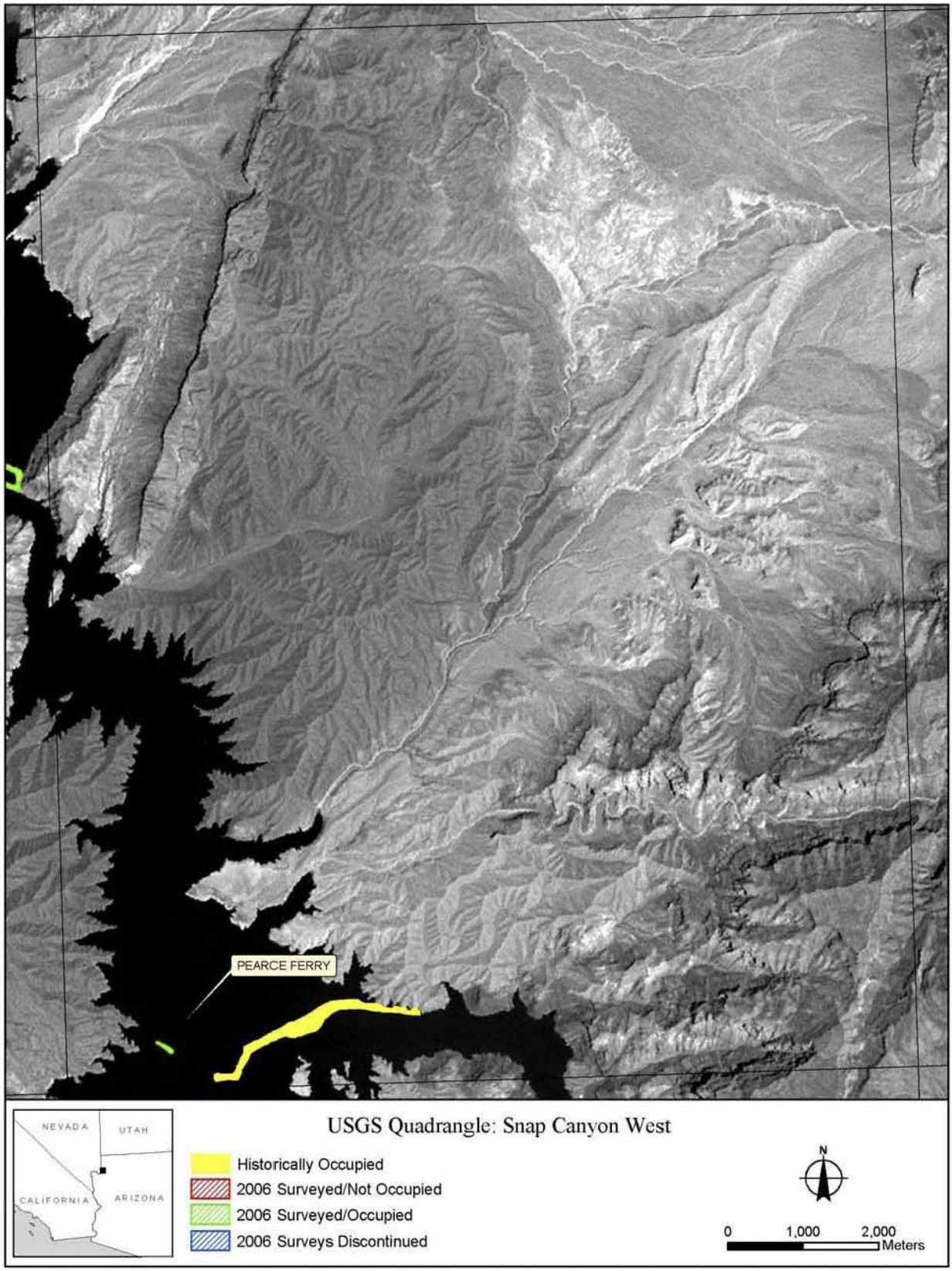

VIRGIN RIVER #1 NORTH
VIRGIN RIVER #1 SOUTH
VIRGIN RIVER #2
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Overton SE
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

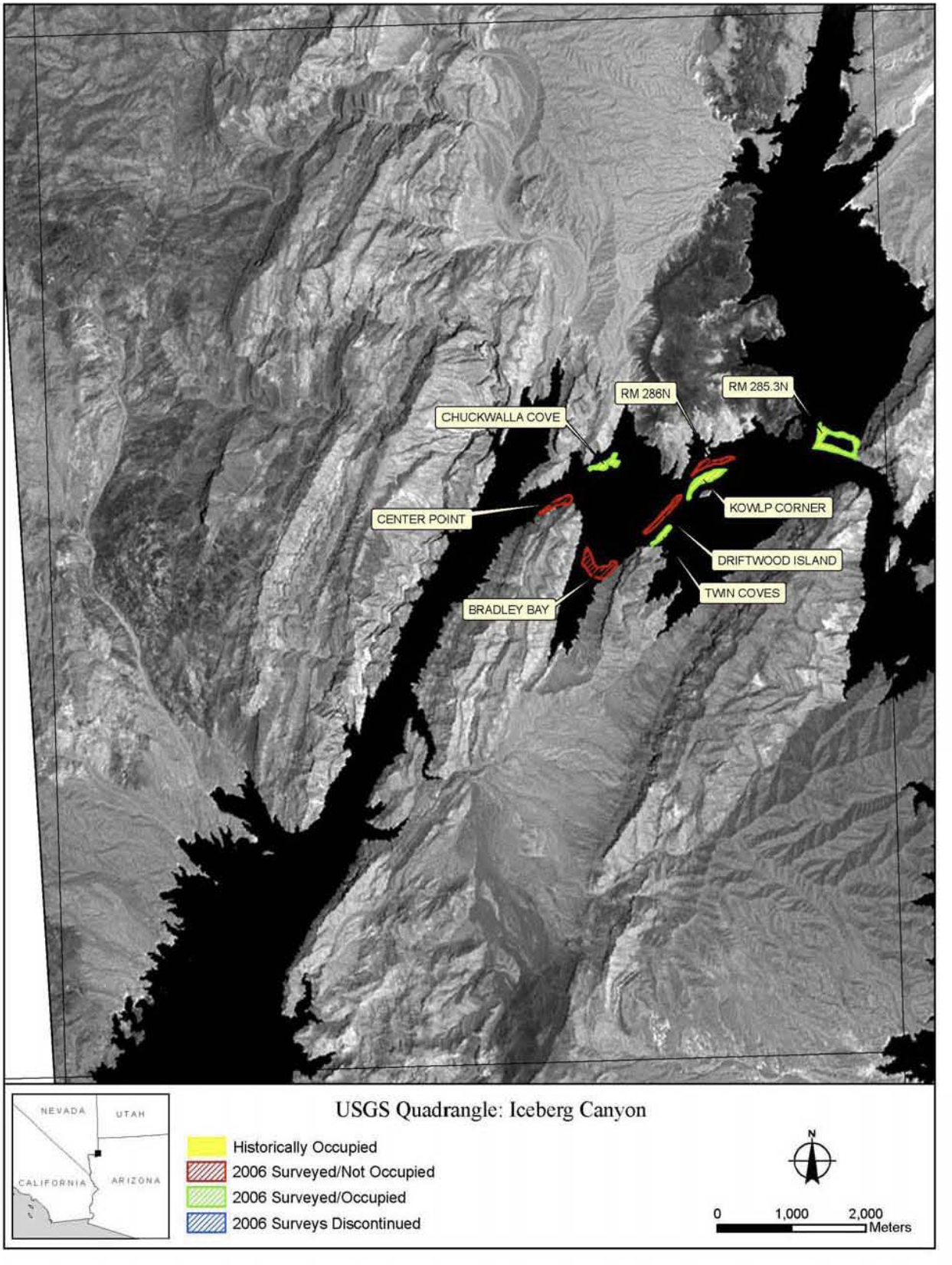

OVERTON WMA
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Overton
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

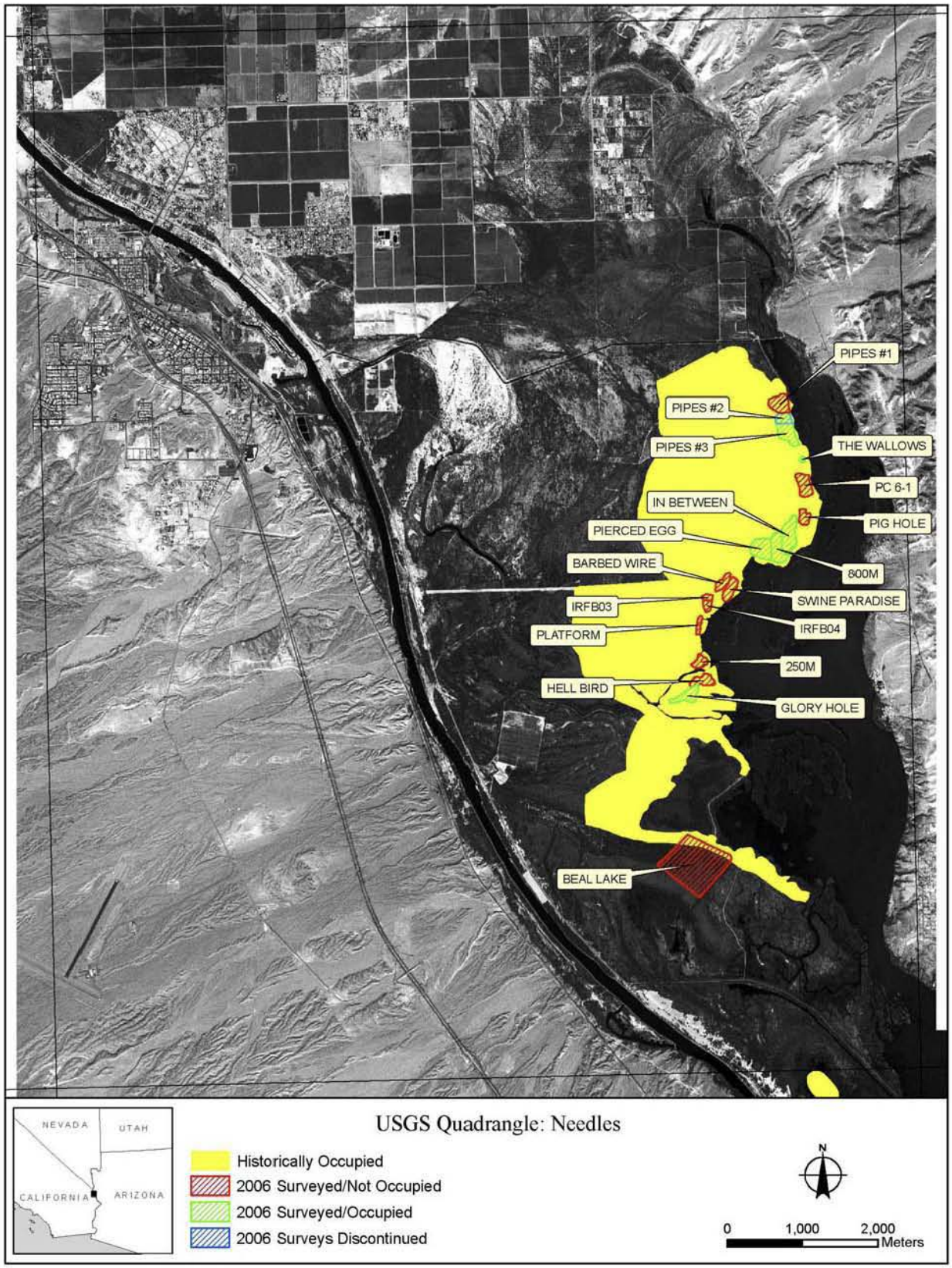

SEPARATION CANYON
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Separation Canyon
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

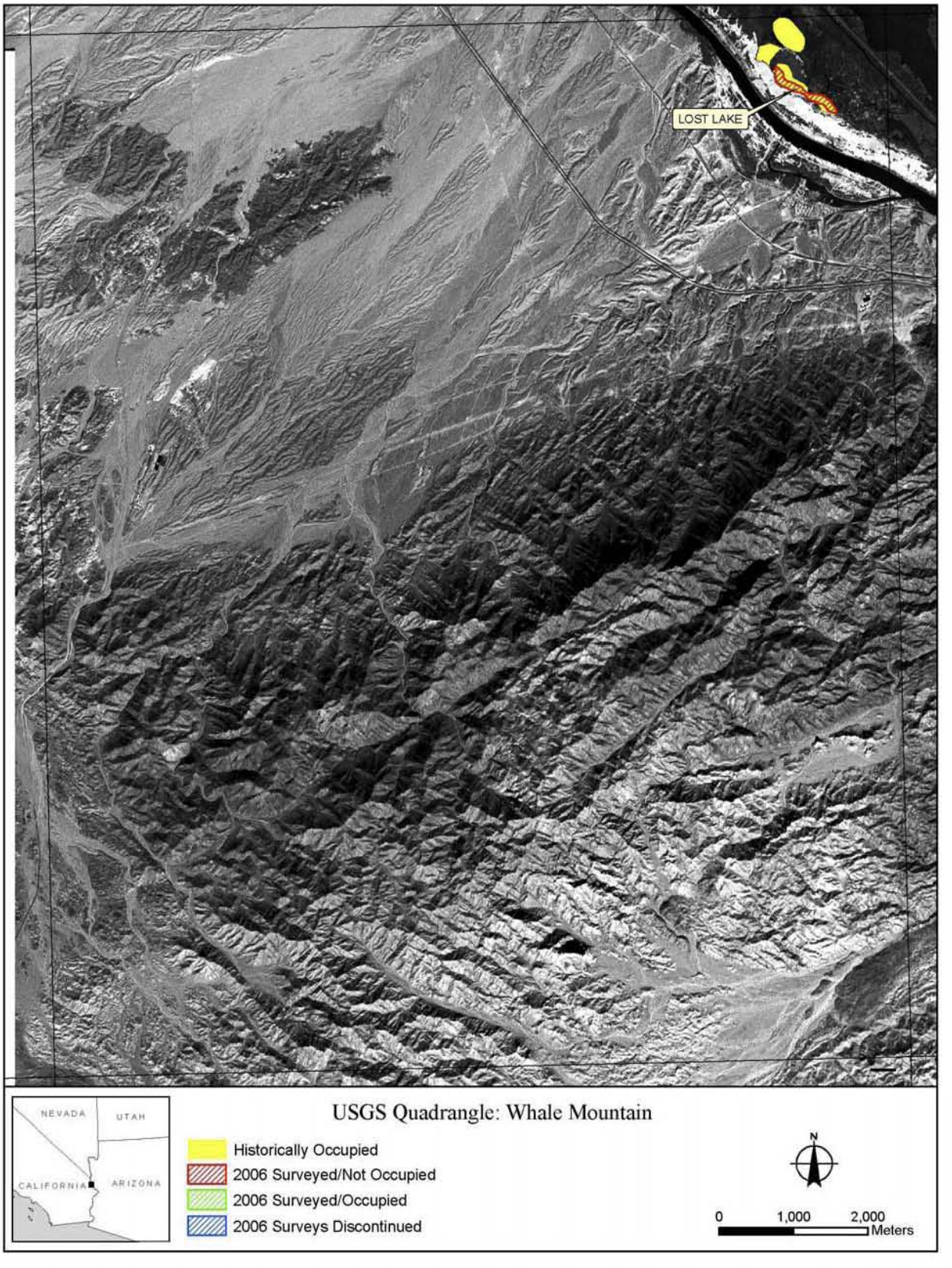

BURNT SPRING/RM 259.5N
RM 251N
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Devils Slide Rapids
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters

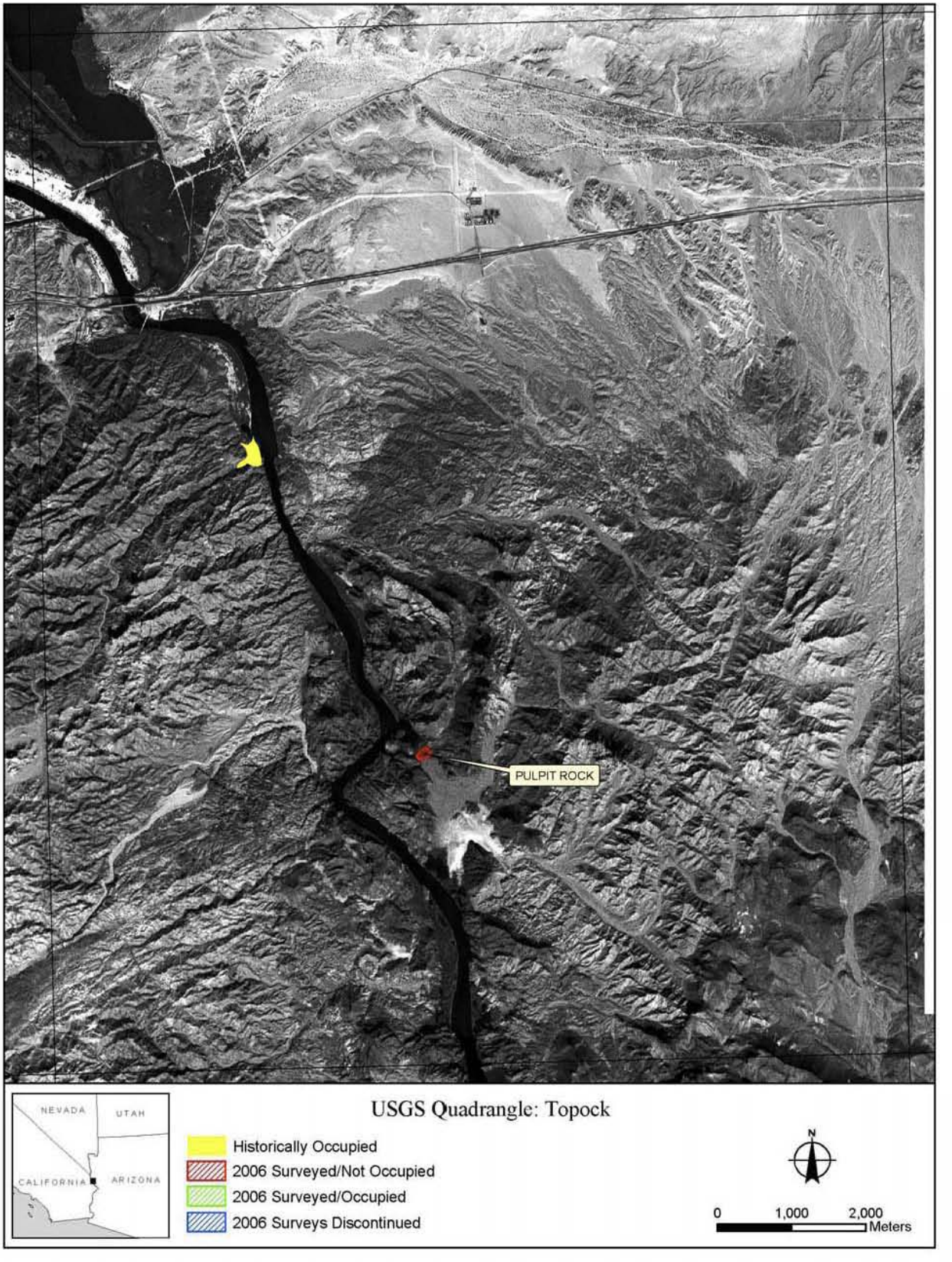

RM 274.5N
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Columbine Falls
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters


PEARCE FERRY
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Snap Canyon West
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters


RM 286N
RM 285.3N
CHUCKWALLA COVE
KOWLP CORNER
CENTER POINT
DRIFTWOOD ISLAND
TWIN COVES
BRADLEY BAY
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Iceberg Canyon
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters


PIPES #1
PIPES #2
PIPES #3
THE WALLOWS
PC 6-1
IN BETWEEN
PIG HOLE
PIERCED EGG
800M
BARBED WIRE
SWINE PARADISE
IRFB03
IRFB04
PLATFORM
250M
HELL BIRD
GLORY HOLE
BEAL LAKE
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Needles
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters


LOST LAKE
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Whale Mountain
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters


PULPIT ROCK
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Topock
Historically Occupied
2006 Surveyed/Not Occupied
2006 Surveyed/Occupied
2006 Surveys Discontinued
N
0
1,000
2,000
Meters