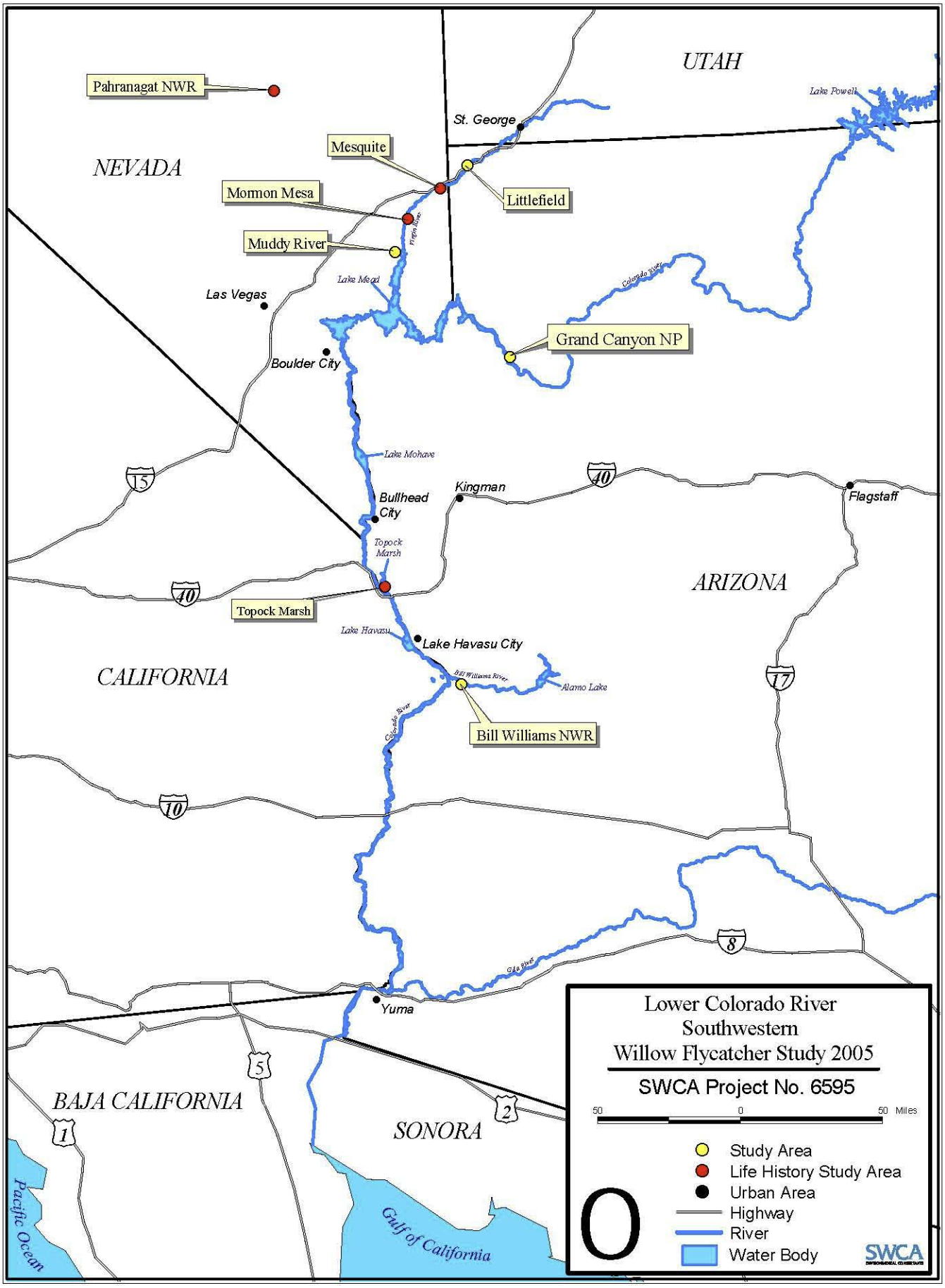
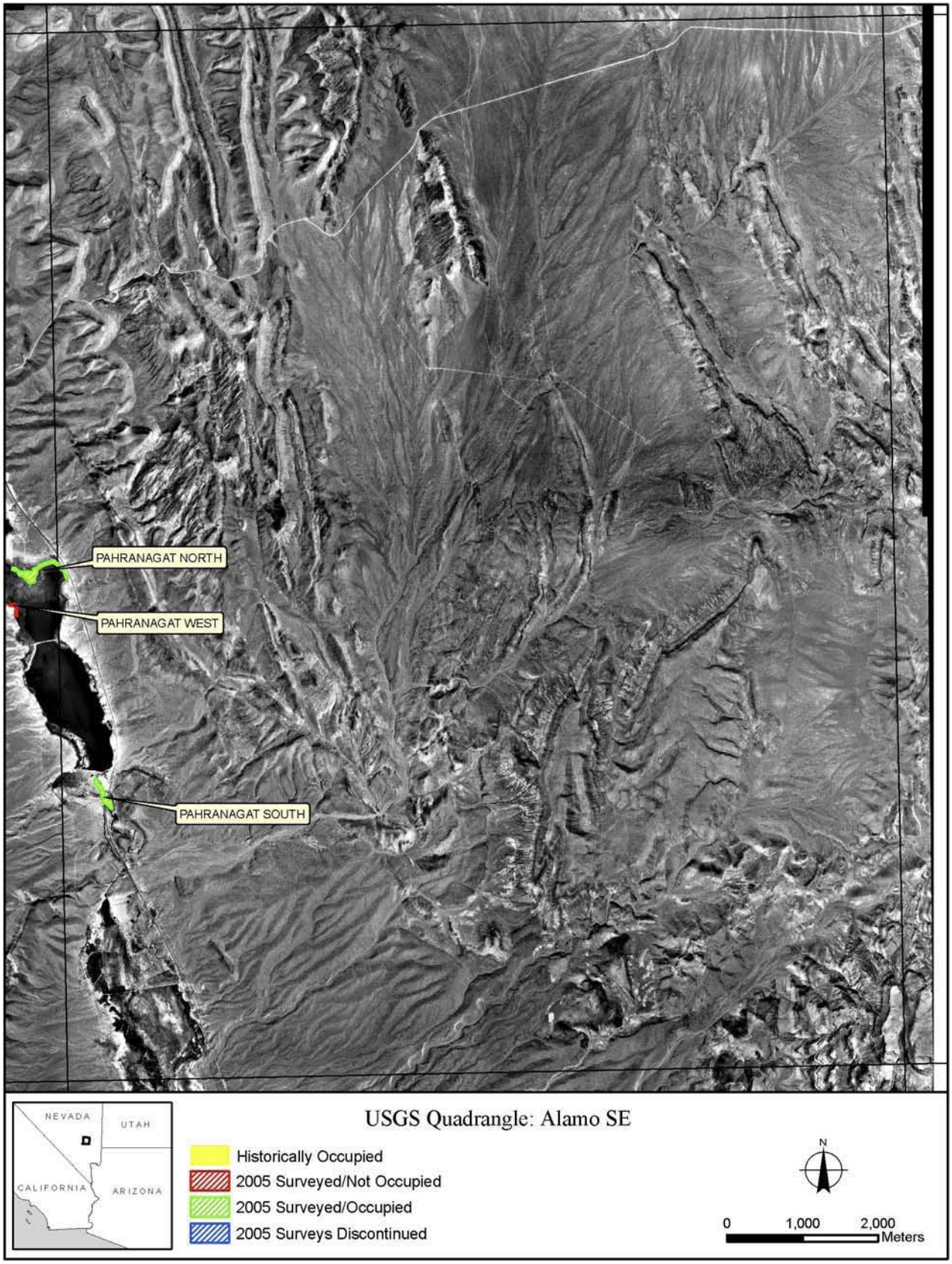
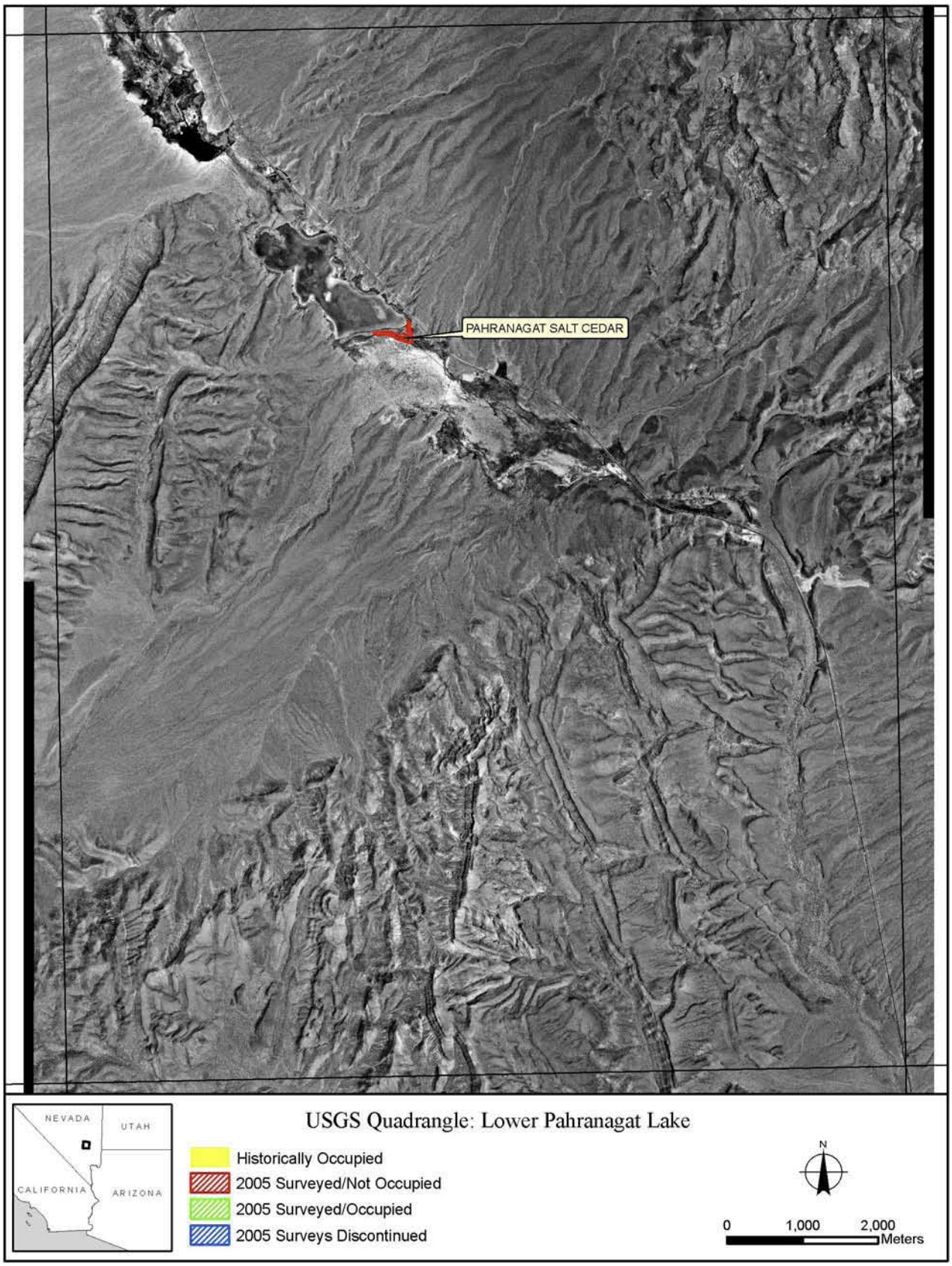
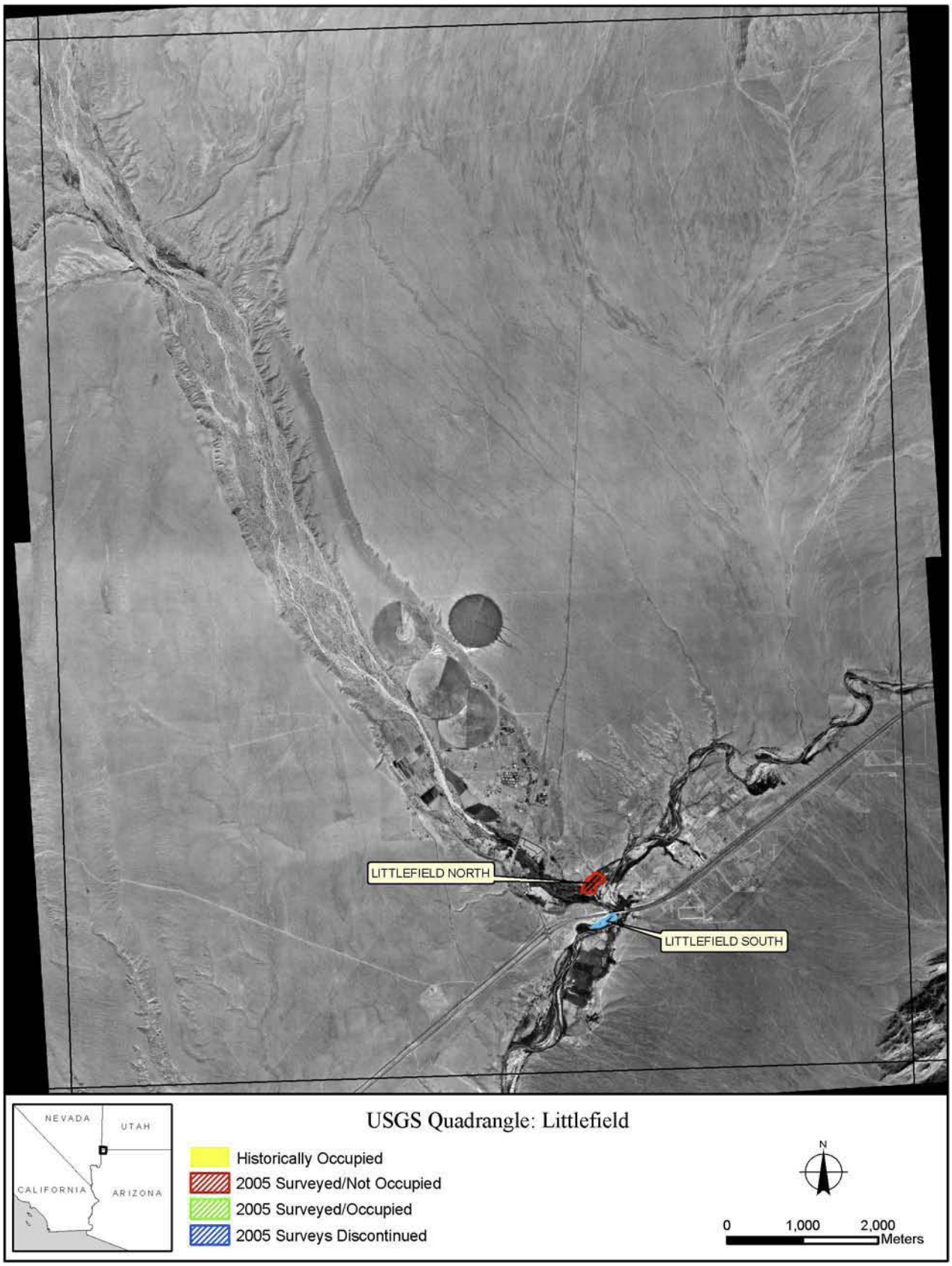
APPENDIX B

Orthophotos Showing Study Sites

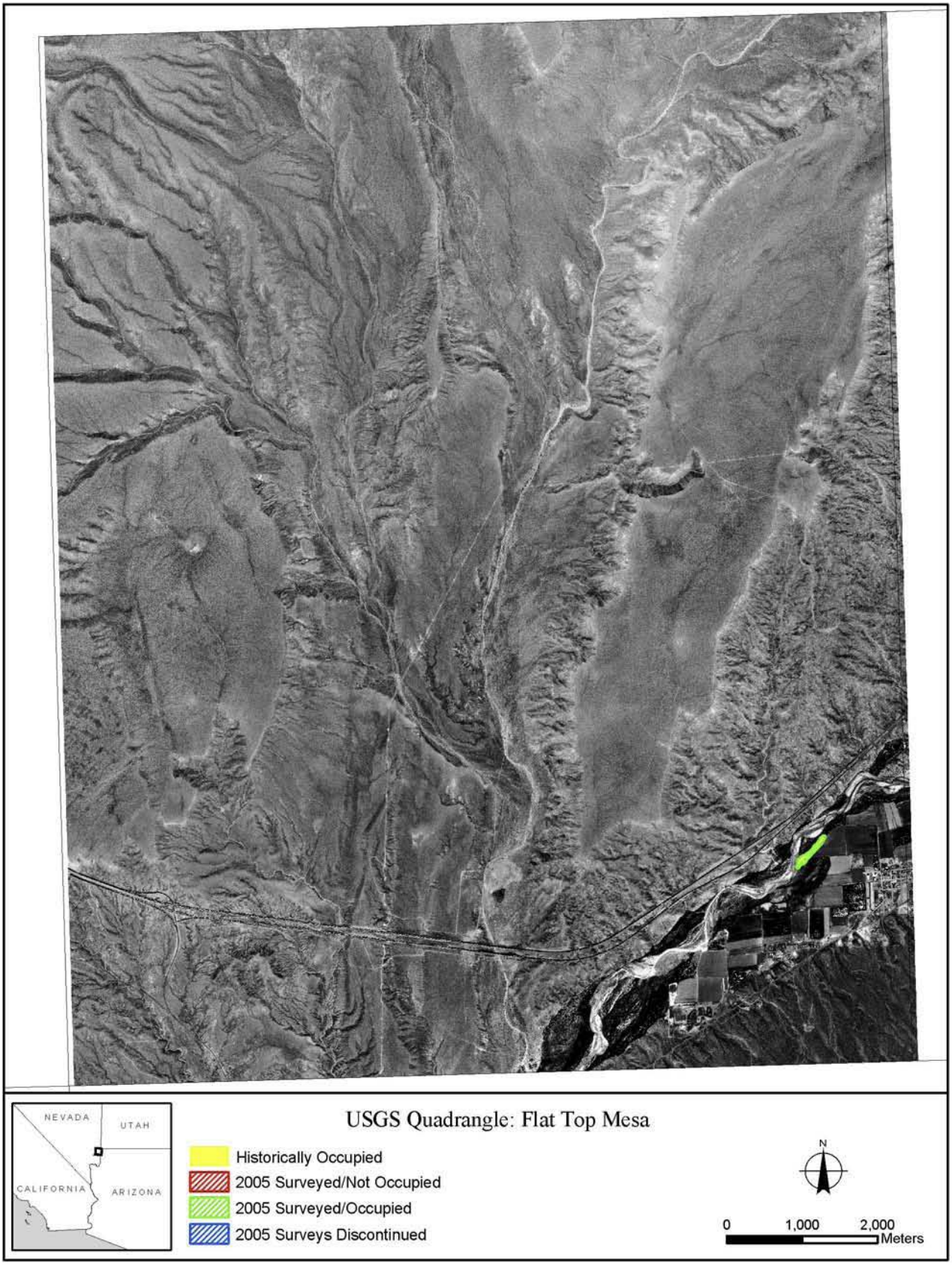

UTAH
NEVADA
ARIZONA
CALIFORNIA
BAJA CALIFORNIA
SONORA
Pahranagat NWR
St. George
Lake Powell
Mesquite
Littlefield
Mormon Mesa
Muddy River
Virgin River
Lake Mead
Las Vegas
Colorado River
Grand Canyon NP
Boulder City
Lake Mohave
Bullhead City
Kingman
Flagstaff
Topock Marsh
Topock Marsh
Lake Havasu
Lake Havasu City
Bill Williams River
Alamo Lake
Colorado River
Bill Williams NWR
Gila River
Yuma
Pacific Ocean
Gulf of California
15
40
40
17
10
8
5
2
1
Lower Colorado River
Southwestern
Willow Flycatcher Study 2005
SWCA Project No. 6595
50 0 50 Miles
Study Area
Life History Study Area
Urban Area
Highway
River
Water Body
SWCA
J:\6595_lcr_swfl\GIS\PROJECTS\aj_swfl_gad.apr

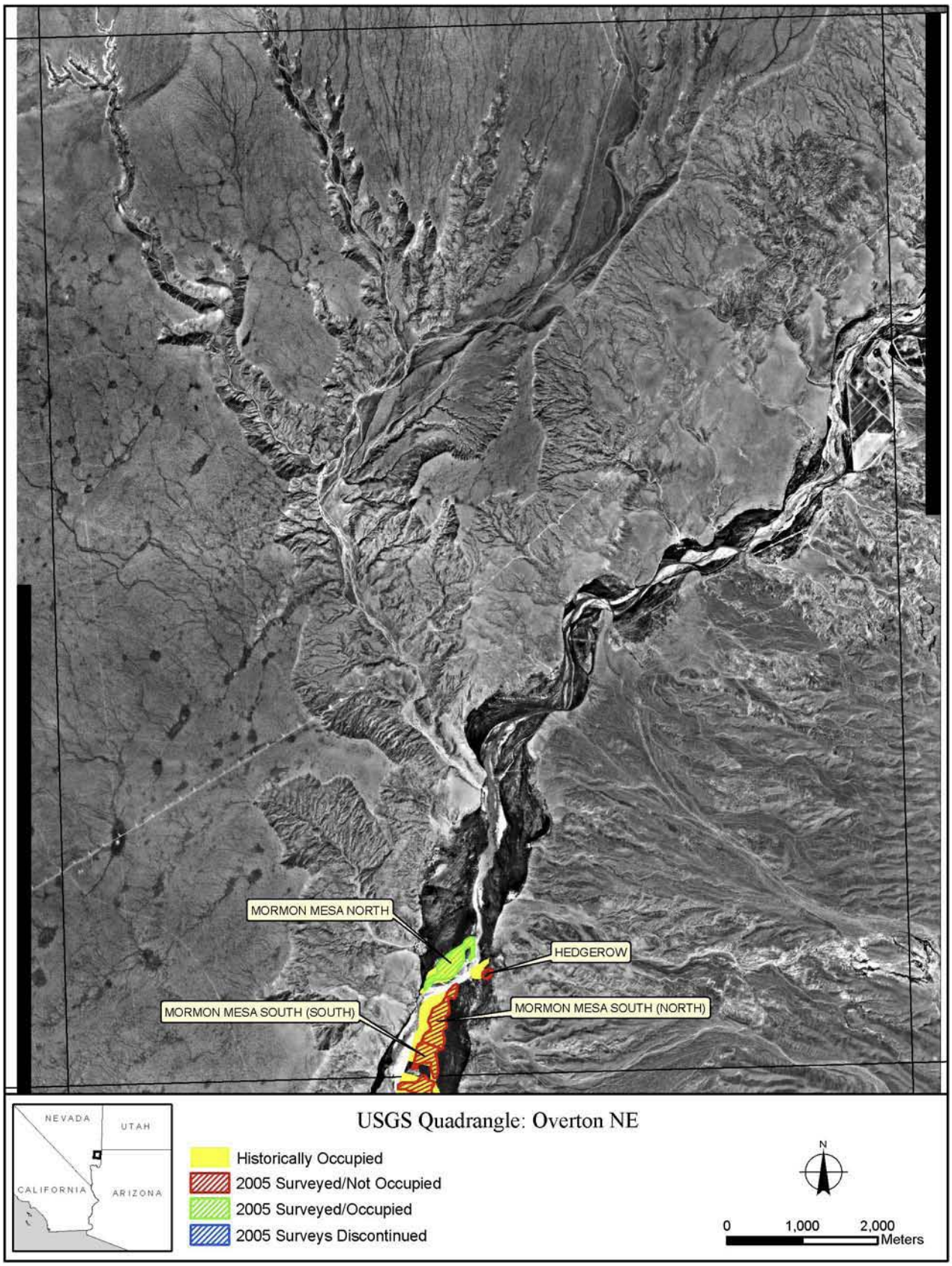

PAHRANAGAT NORTH
PAHRANAGAT WEST
PAHRANAGAT SOUTH
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Alamo SE
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

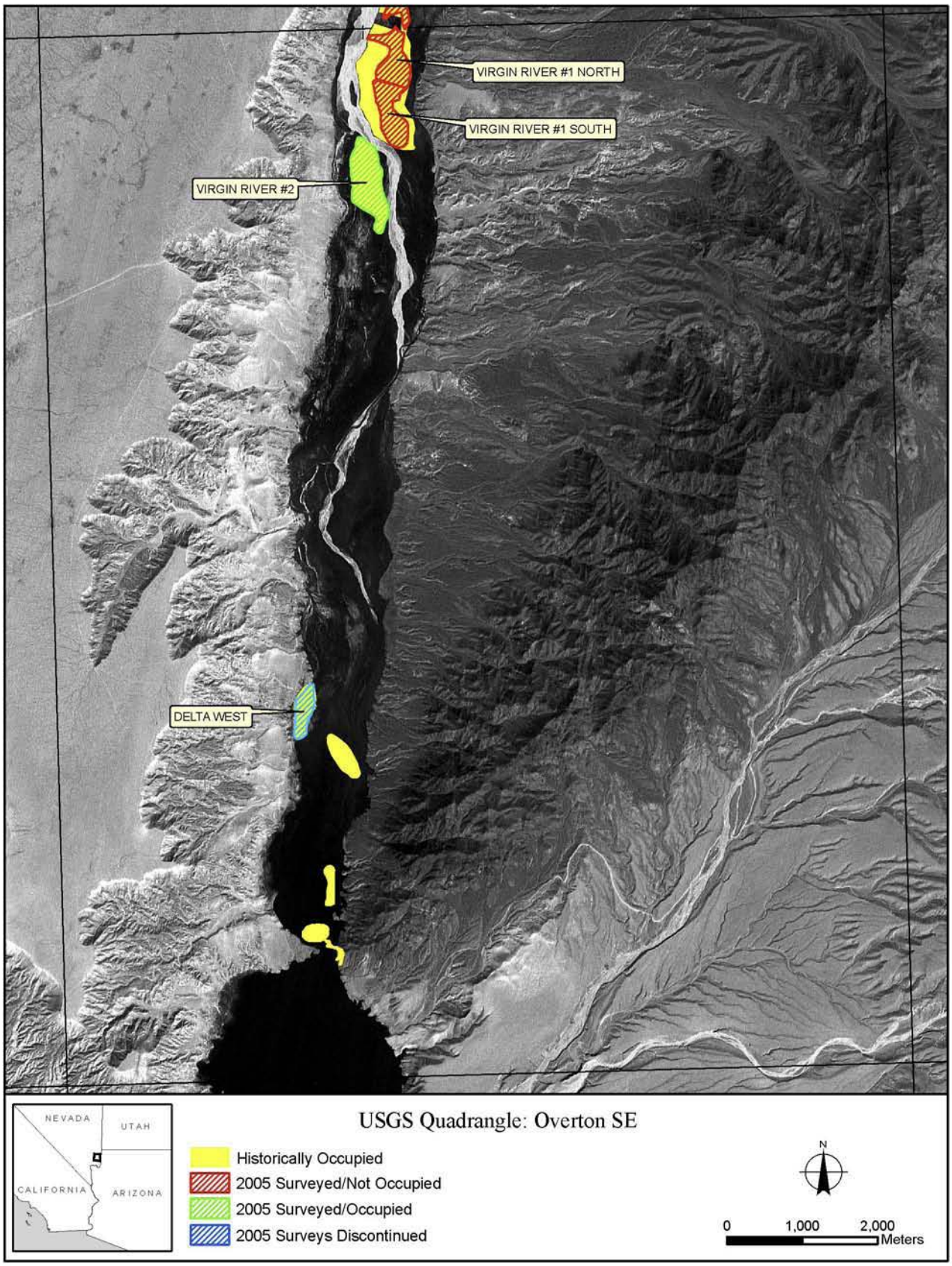

PAHRANAGAT SALT CEDAR
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Lower Pahranagat Lake
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

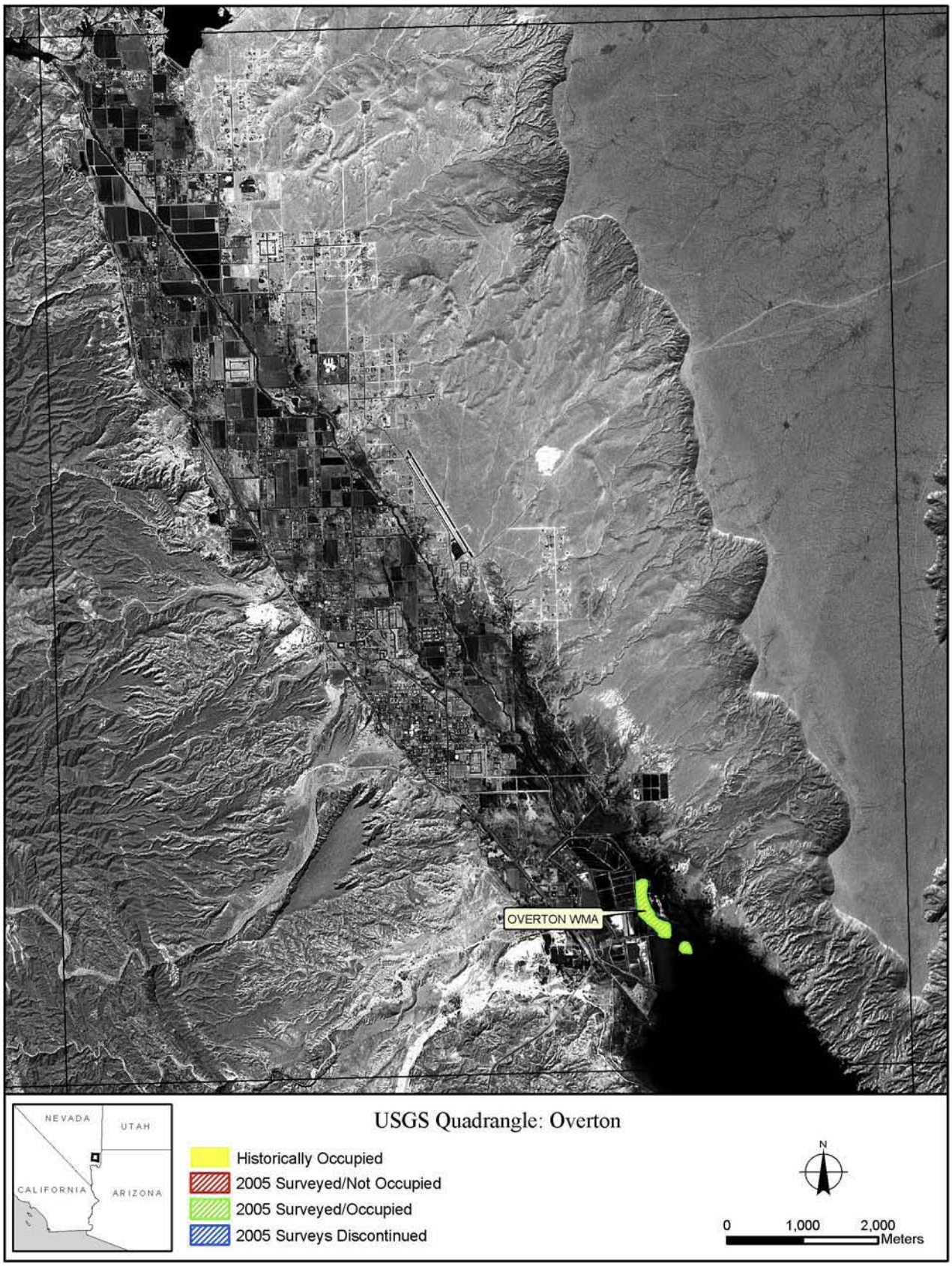

LITTLEFIELD NORTH
LITTLEFIELD SOUTH
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Littlefield
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

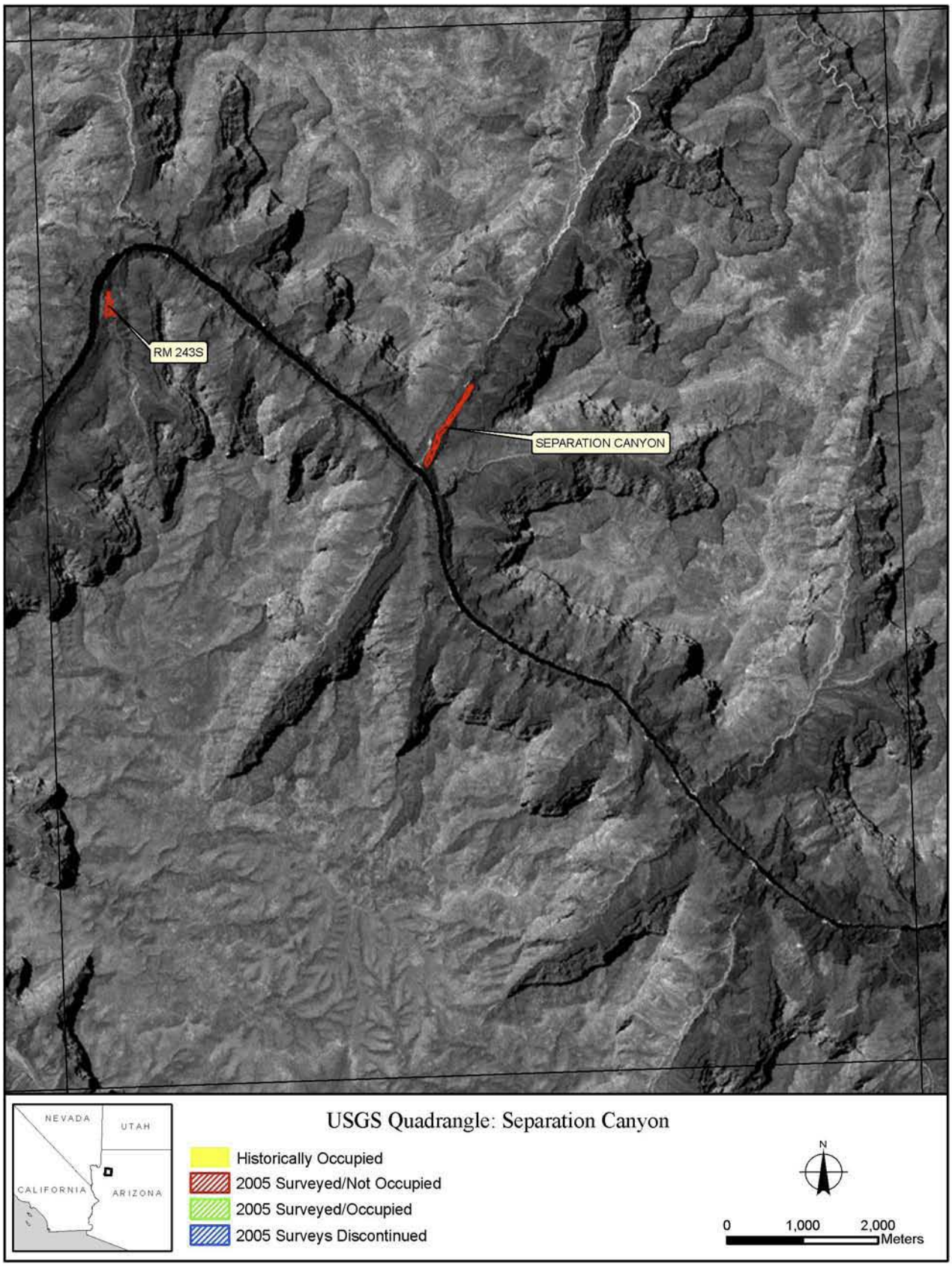
MESQUITE WEST
MESQUITE EAST
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Mesquite
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

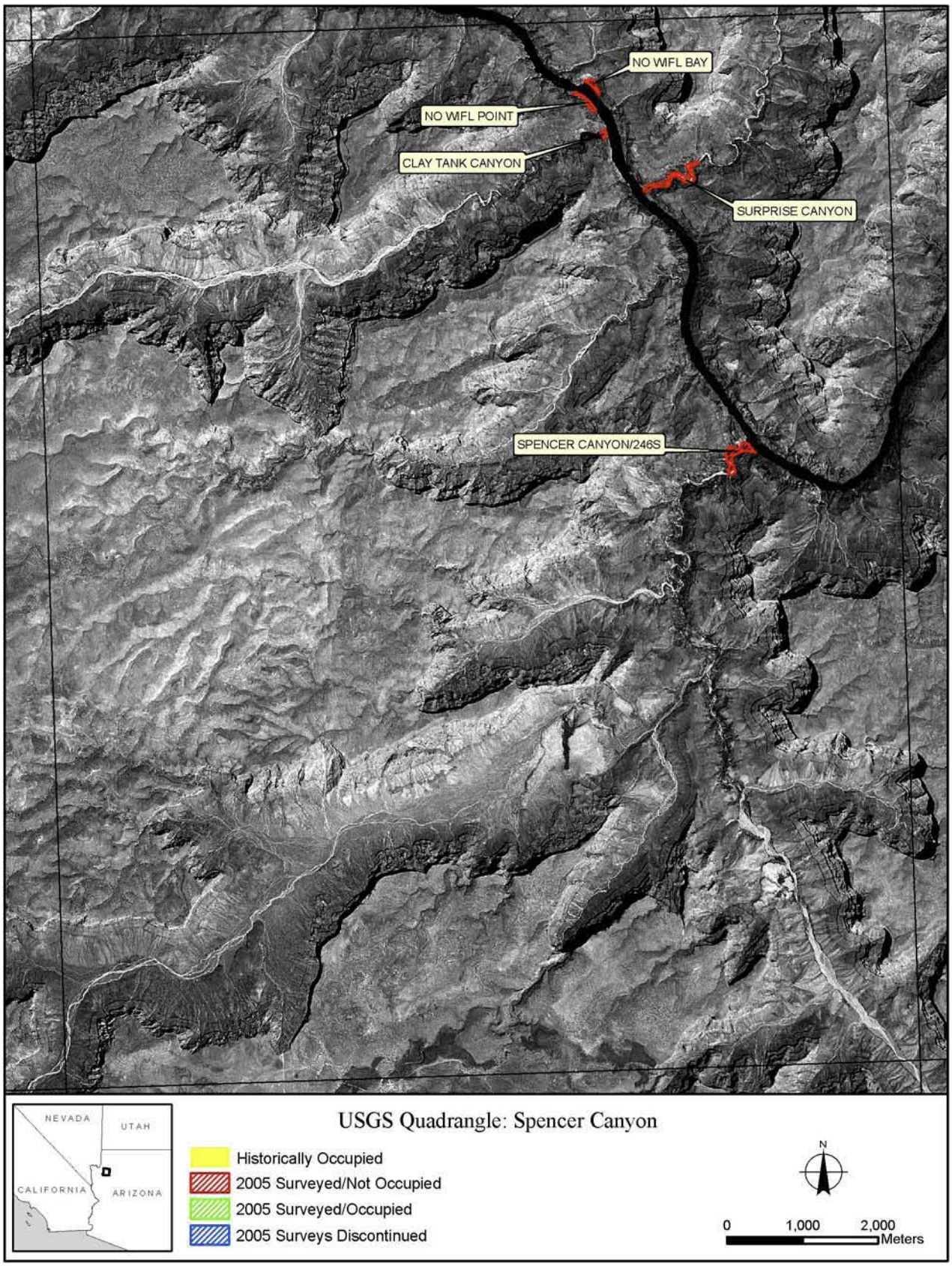

NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Flat Top Mesa
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

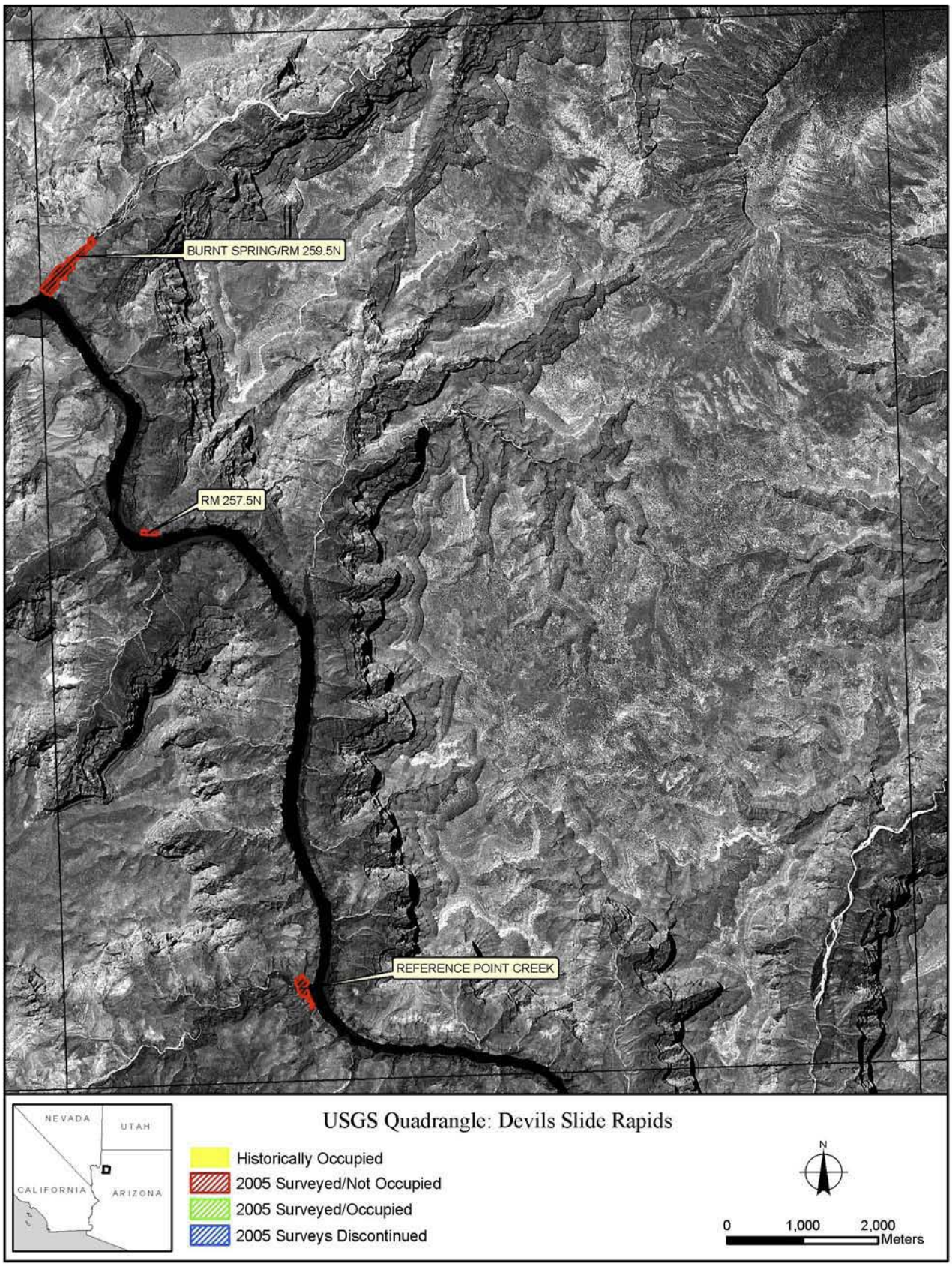

MORMON MESA NORTH
HEDGEROW
MORMON MESA SOUTH (SOUTH)
MORMON MESA SOUTH (NORTH)
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Overton NE
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

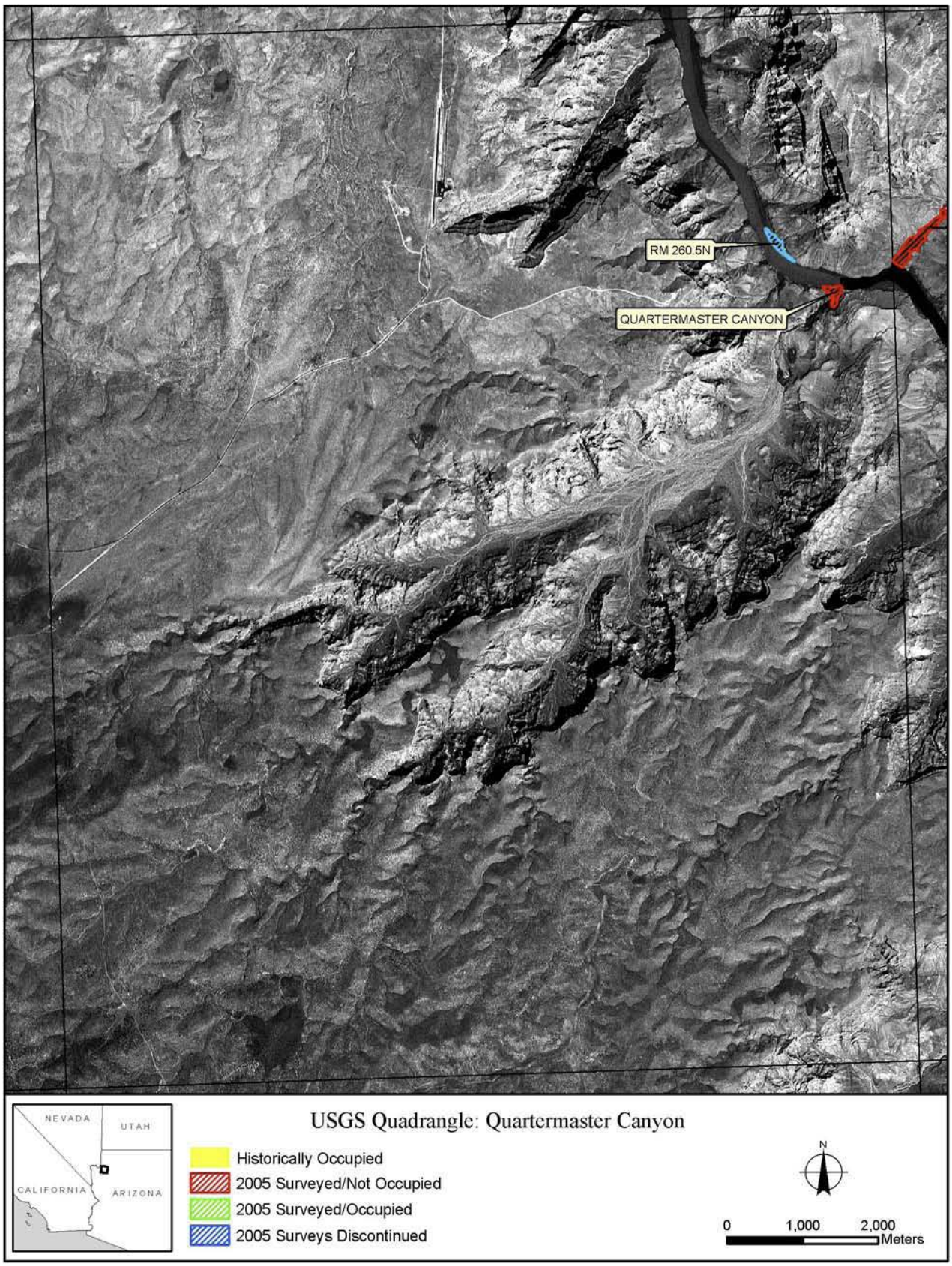

VIRGIN RIVER #1 NORTH
VIRGIN RIVER #1 SOUTH
VIRGIN RIVER #2
DELTA WEST
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Overton SE
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

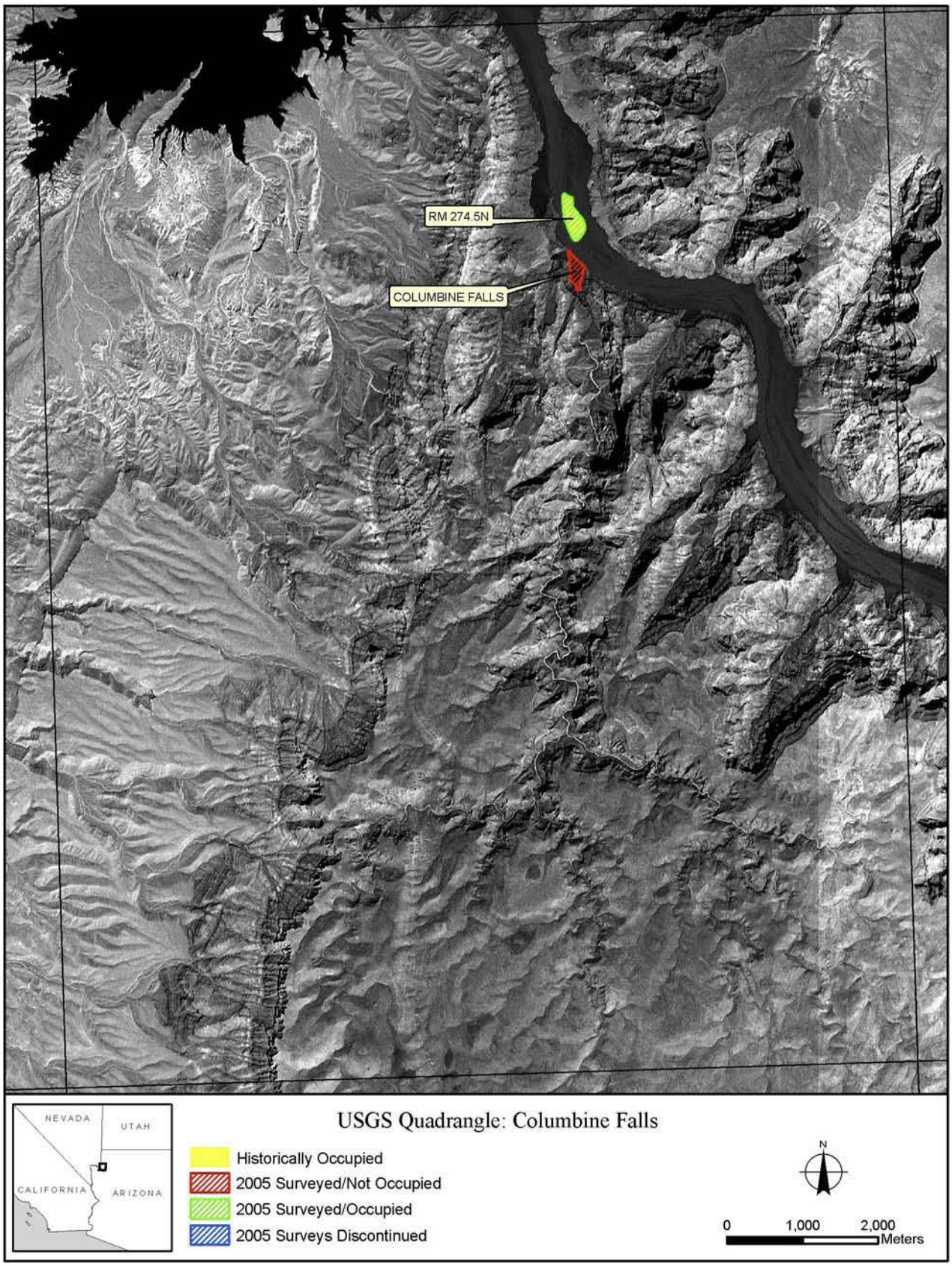

OVERTON WMA
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Overton
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

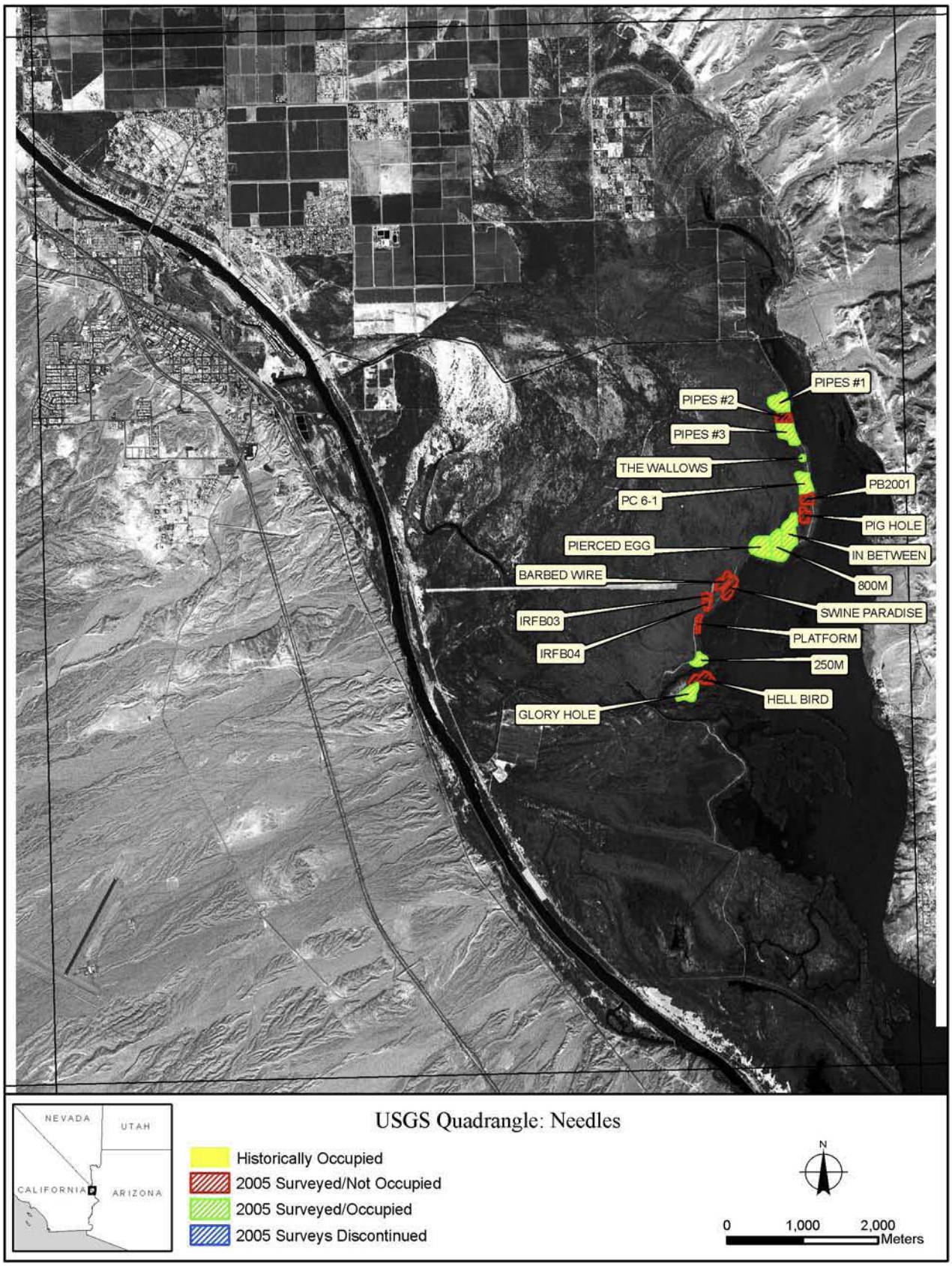

RM 243S
SEPARATION CANYON
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Separation Canyon
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters

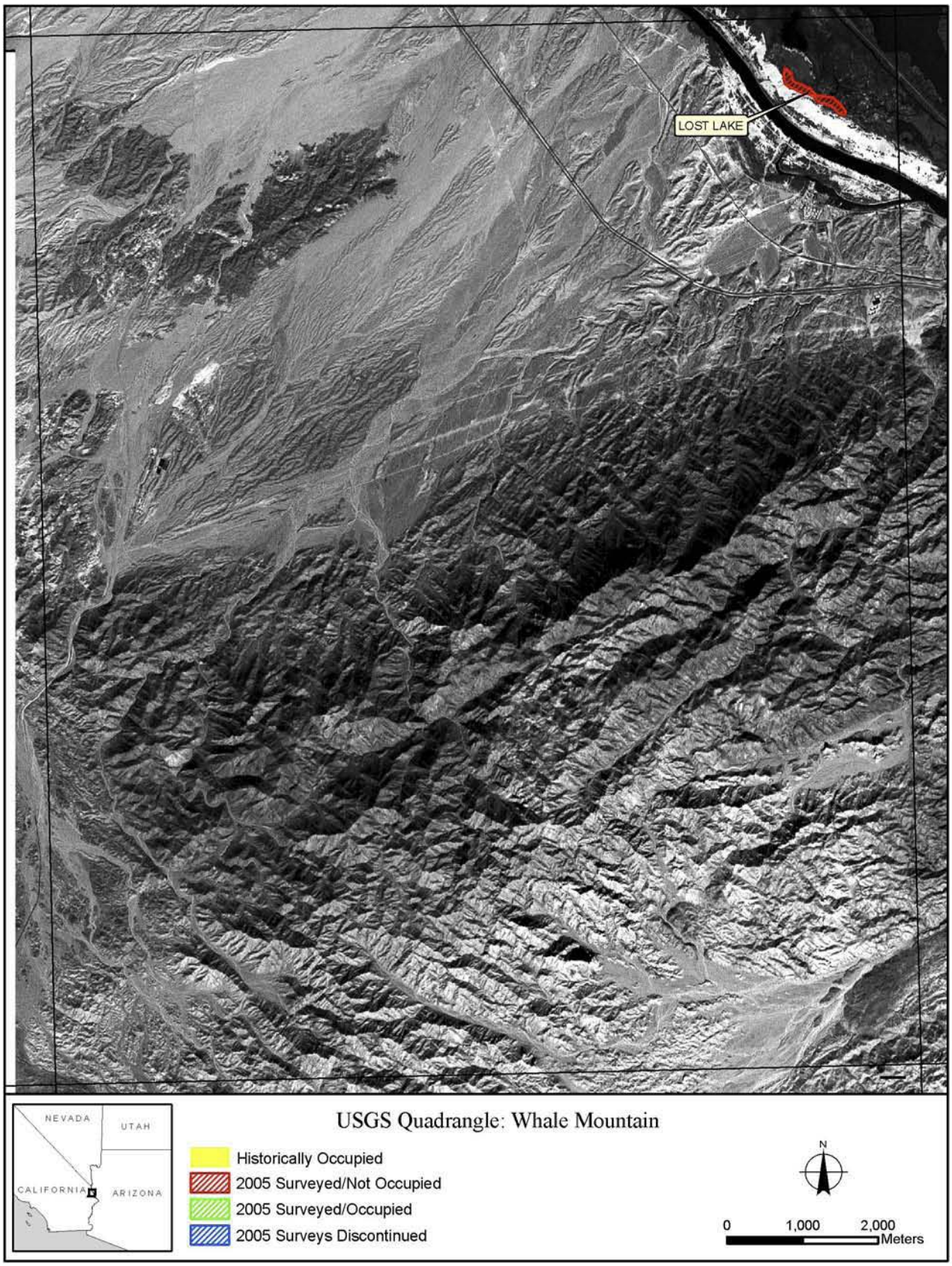

NO WIFL BAY
NO WIFL POINT
CLAY TANK CANYON
SURPRISE CANYON
SPENCER CANYON/246S
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Spencer Canyon
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters


BURNT SPRING/RM 259.5N
RM 257.5N
REFERENCE POINT CREEK
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Devils Slide Rapids
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters


RM 260.5N
QUARTERMASTER CANYON
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Quartermaster Canyon
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters


RM 274.5N
COLUMBINE FALLS
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Columbine Falls
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters


PIPES #1
PIPES #2
PIPES #3
THE WALLOWS
PB2001
PC 6-1
PIG HOLE
PIERCED EGG
IN BETWEEN
BARBED WIRE
800M
SWINE PARADISE
IRFB03
PLATFORM
IRFB04
250M
HELL BIRD
GLORY HOLE
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Needles
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters


LOST LAKE
NEVADA
UTAH
CALIFORNIA
ARIZONA
USGS Quadrangle: Whale Mountain
Historically Occupied
2005 Surveyed/Not Occupied
2005 Surveyed/Occupied
2005 Surveys Discontinued
N
0
1,000
2,000
Meters