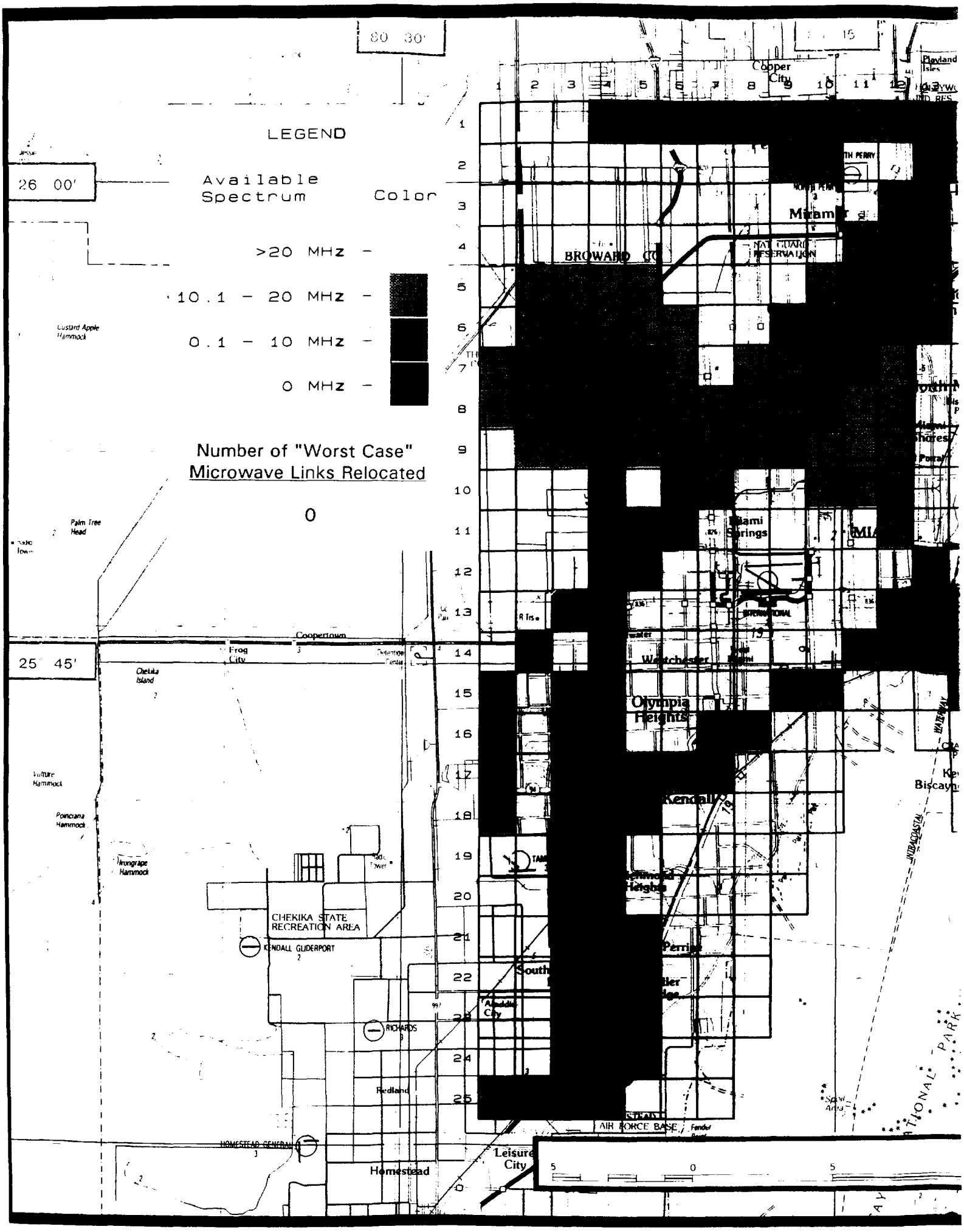
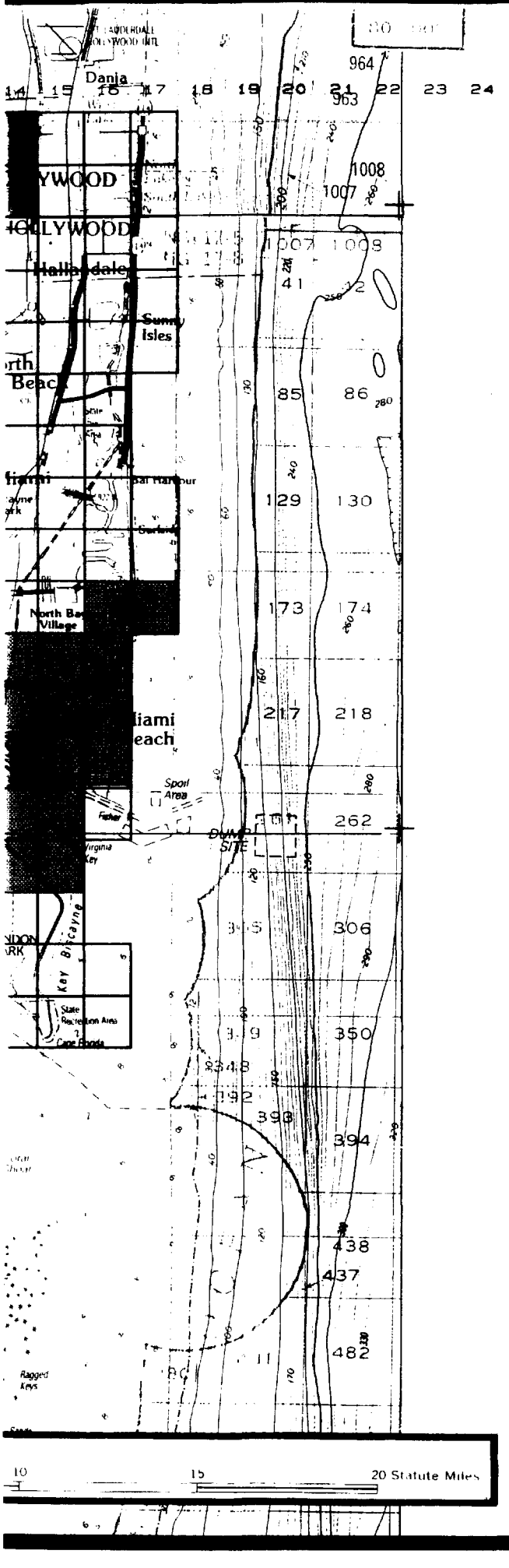

LEGEND
Available Spectrum Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
0
80 30'
26 00'
25 45'
Coopertown
Frog City
Chekika Island
Custard Apple Hammock
Palm Tree Head
Vulture Hammock
Poinciana Hammock
Mangrove Hammock
CHEKIKA STATE RECREATION AREA
KENDALL GLIDERPORT
RICHARDS
Redland
Homestead
HOMESTEAD GENERAL
Leisure City
AIR FORCE BASE
Cooper City
Miami
BROWARD CO
NAT GUARD RESERVATION
Miami Springs
Westchester
Olympia Heights
Kendall
Perrine
South Miami
Biscayne
INTRACOASTAL
NATIONAL PARK



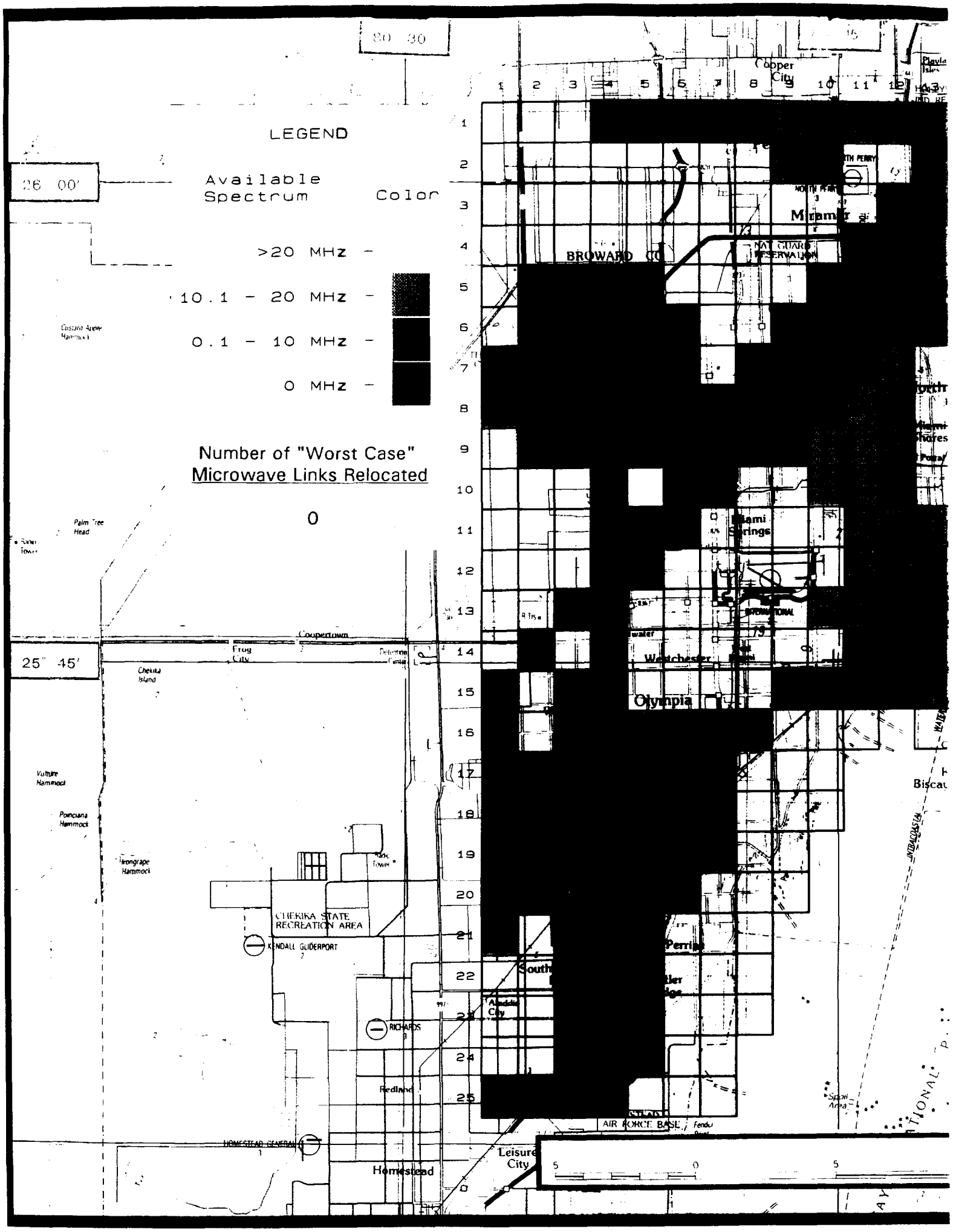
AMERICAN PERSONAL COMMUNICATIONS

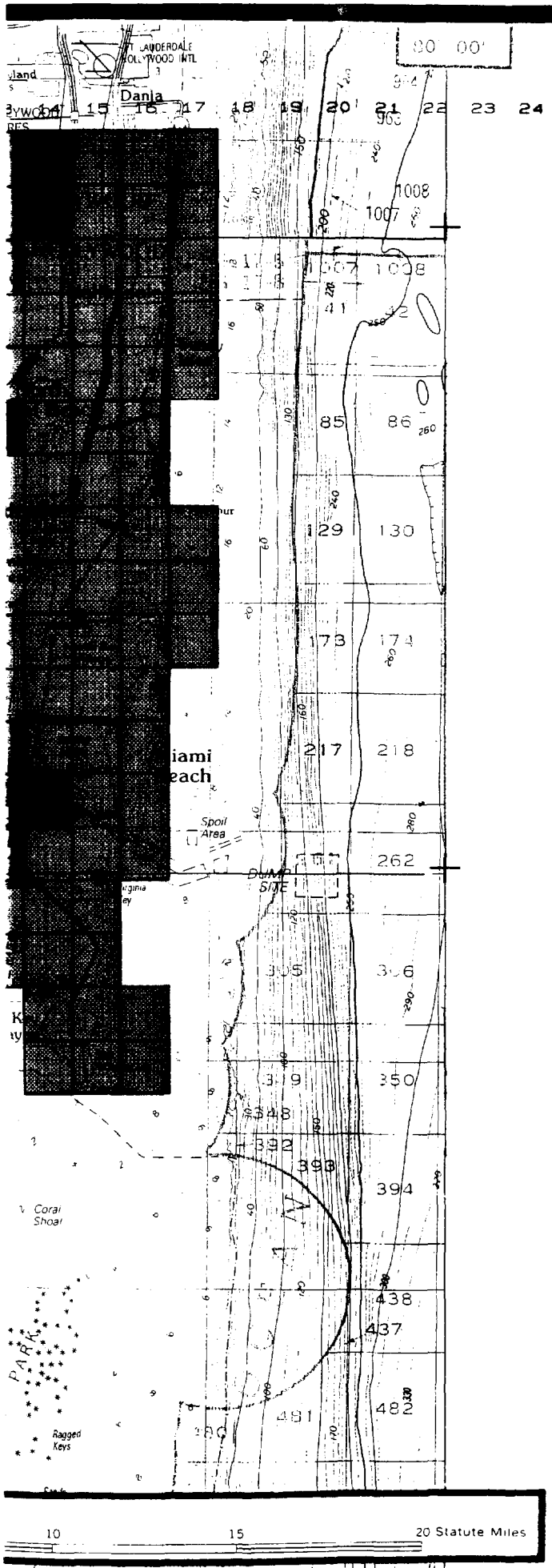
Licensee A Spectrum Availability

3 Lic/Mrkt and 30 MHz/Lic

Miami

10/21/92


LEGEND
Available Spectrum Color
>20 MHz
10.1 - 20 MHz
0.1 - 10 MHz
0 MHz
Number of "Worst Case" Microwave Links Relocated
0
26° 00'
25° 45'
80° 30'
Cooper City
BROWARD CO
Miami Springs
Westchester
Olympia
Coopertown
Frog City
Chekika Island
Vulture Hammock
Poinciana Hammock
Strongrape Hammock
CHEKIKA STATE RECREATION AREA
KENDALL GLIDERPORT
RICHARDS
Redland
HOMESTEAD GENERAL
Homestead
Leisure City
AIR FORCE BASE
Palm Tree Head
Custard Apple Hammock
Biscayne
5 0 5



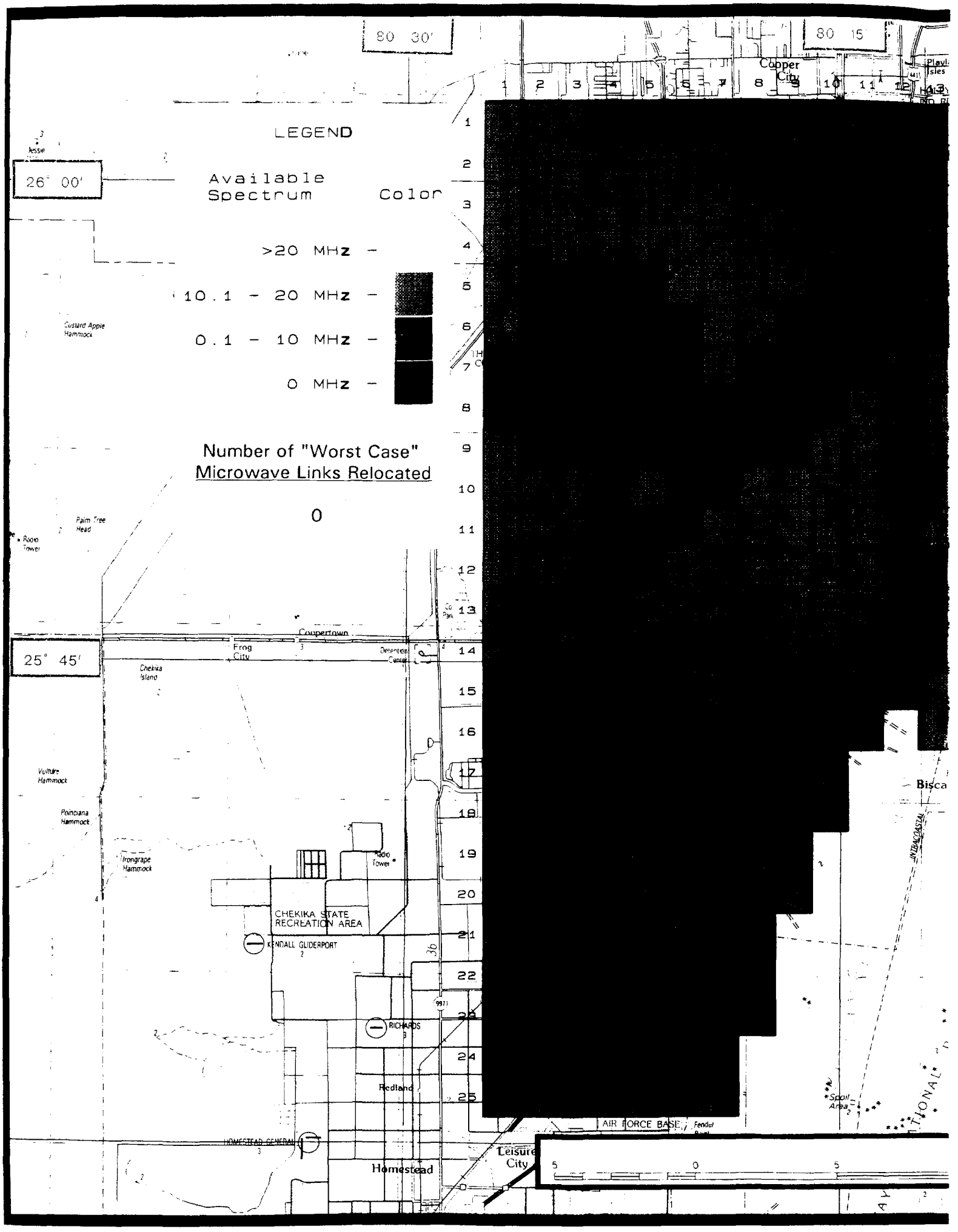
AMERICAN PERSONAL COMMUNICATIONS

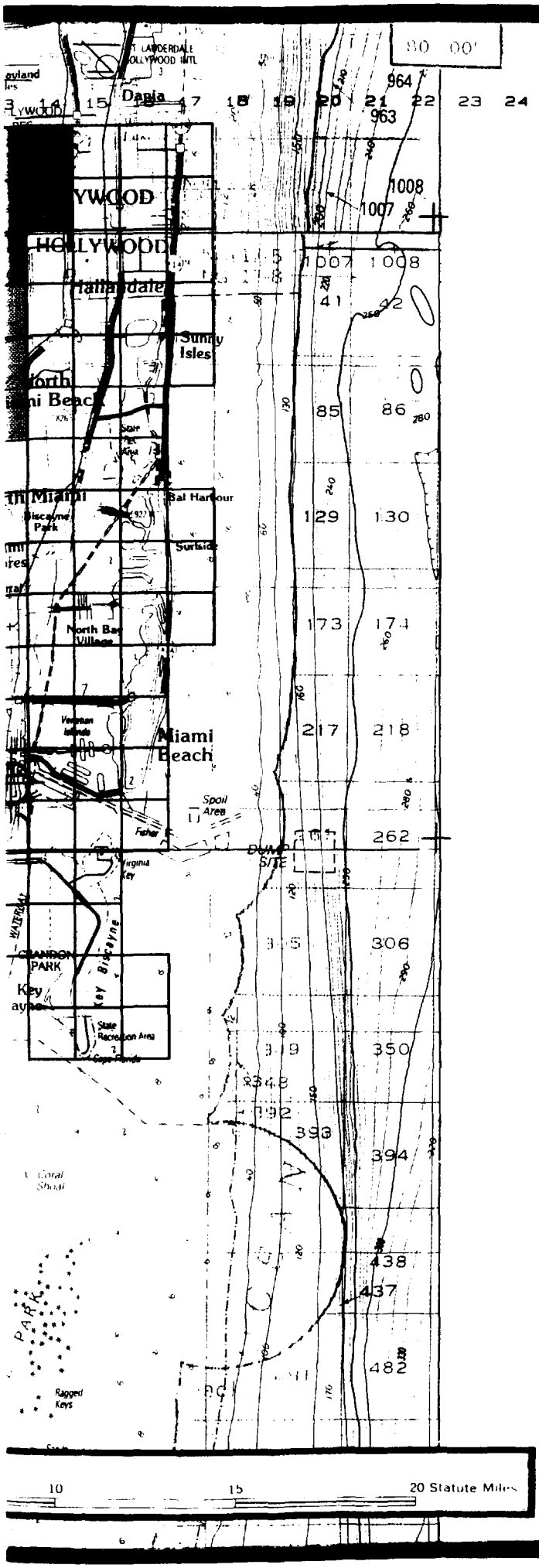
Licensee A Spectrum Availability

5 Lic/Mrkt and 20 MHz/Lic

Miami

10/21/92


LEGEND
Available Spectrum Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
0
80 30'
80 15'
26° 00'
25° 45'
Copper City
Coopertown
Frog City
Detention Center
Chekika Island
Custard Apple Hammock
Palm Tree Head
Radio Tower
Vulture Hammock
Poinciana Hammock
Irongrape Hammock
CHEKIKA STATE RECREATION AREA
KENDALL GLIDERPORT
RICHARDS
Redland
Homestead
HOMESTEAD GENERAL
AIR FORCE BASE
Leisure City
Biscayne
Spoil Area
INTRACOASTAL



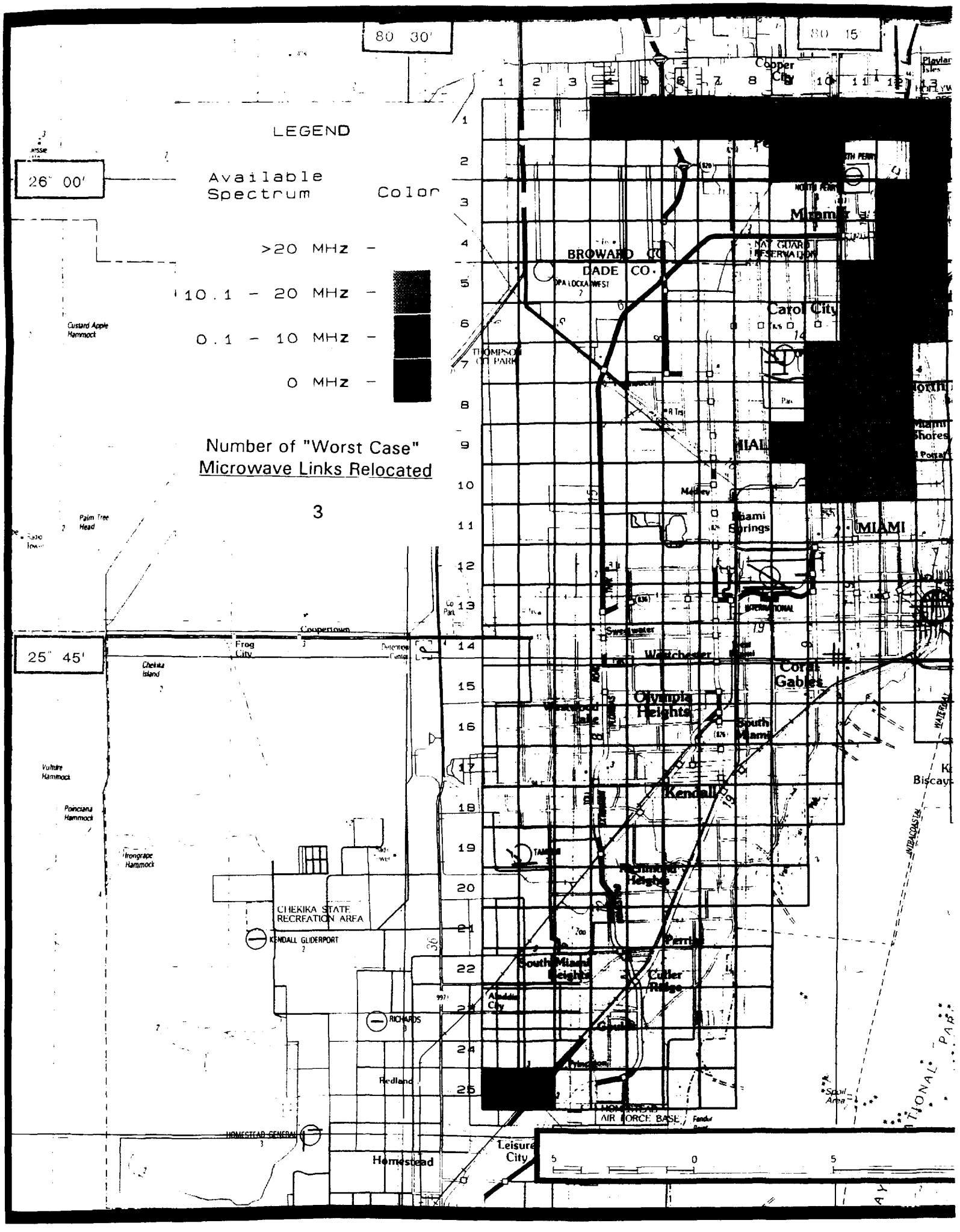
AMERICAN PERSONAL COMMUNICATIONS

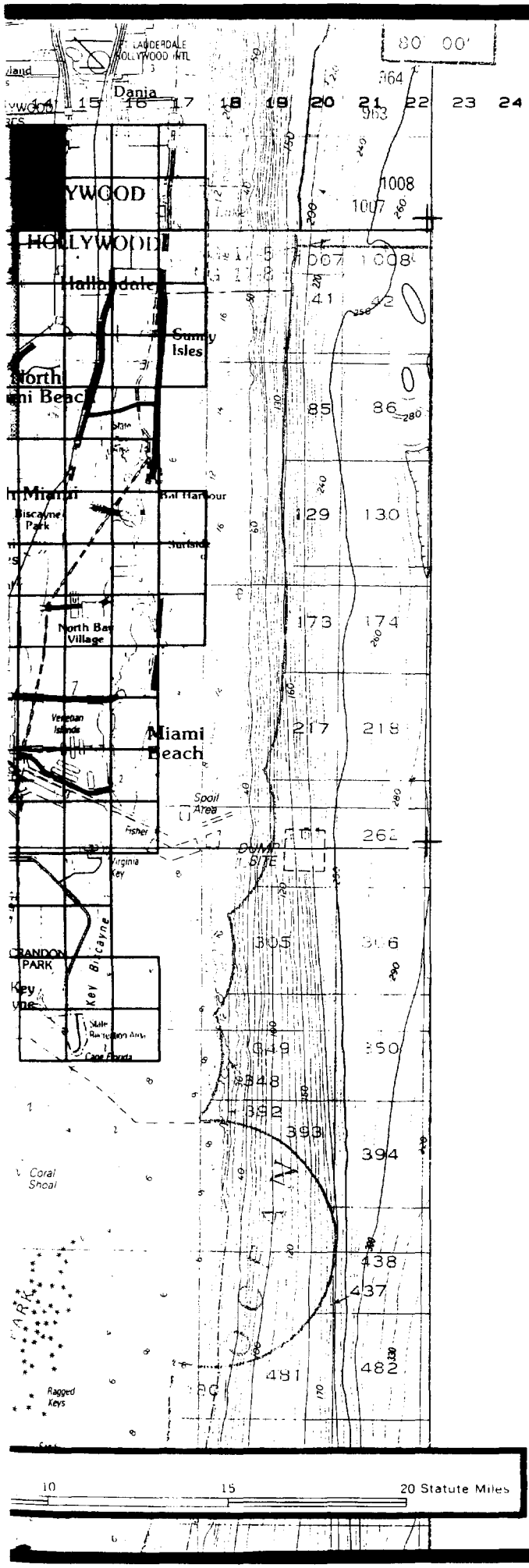
Licensee A Spectrum Availability

2 Lic/Mrkt and 40 MHz/Lic

Miami

10/29/92


LEGEND
Available Spectrum Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
3
80 30'
80 15'
26° 00'
25° 45'
BROWARD CO.
DADE CO.
Miami
Carol City
MIAMI
Miami Springs
Coral Gables
Olympia Heights
Kendall
Cutler Ridge
Homestead
Leisure City
Redland
CHEKIKA STATE RECREATION AREA
KENDALL GLIDERPORT
RICHARDS
HOMESTEAD AIR FORCE BASE
Coopertown
Frog City
Custard Apple Hammock
Palm Tree Head
Vulture Hammock
Poinciana Hammock
Irongrape Hammock
Spoil Area



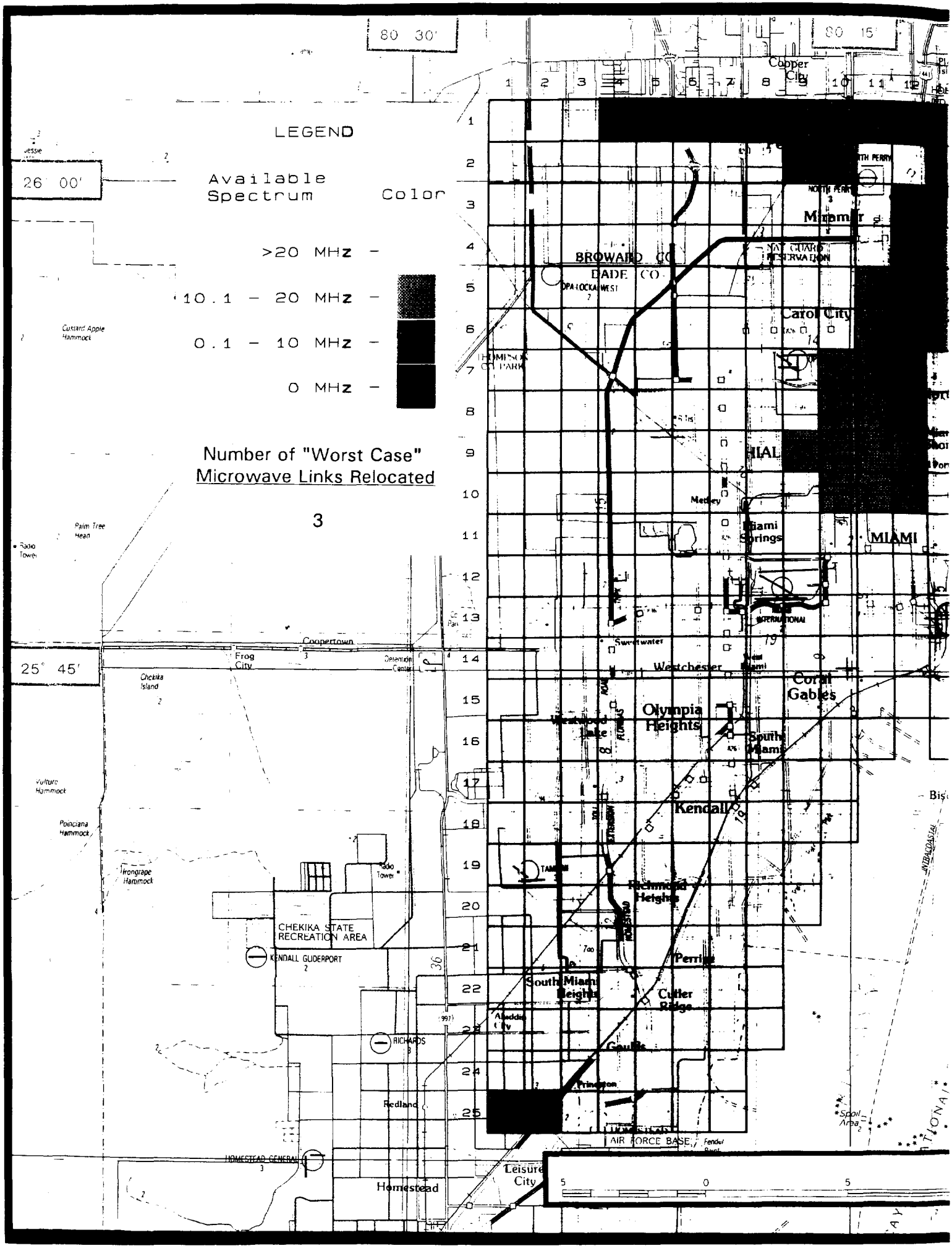
AMERICAN PERSONAL COMMUNICATIONS

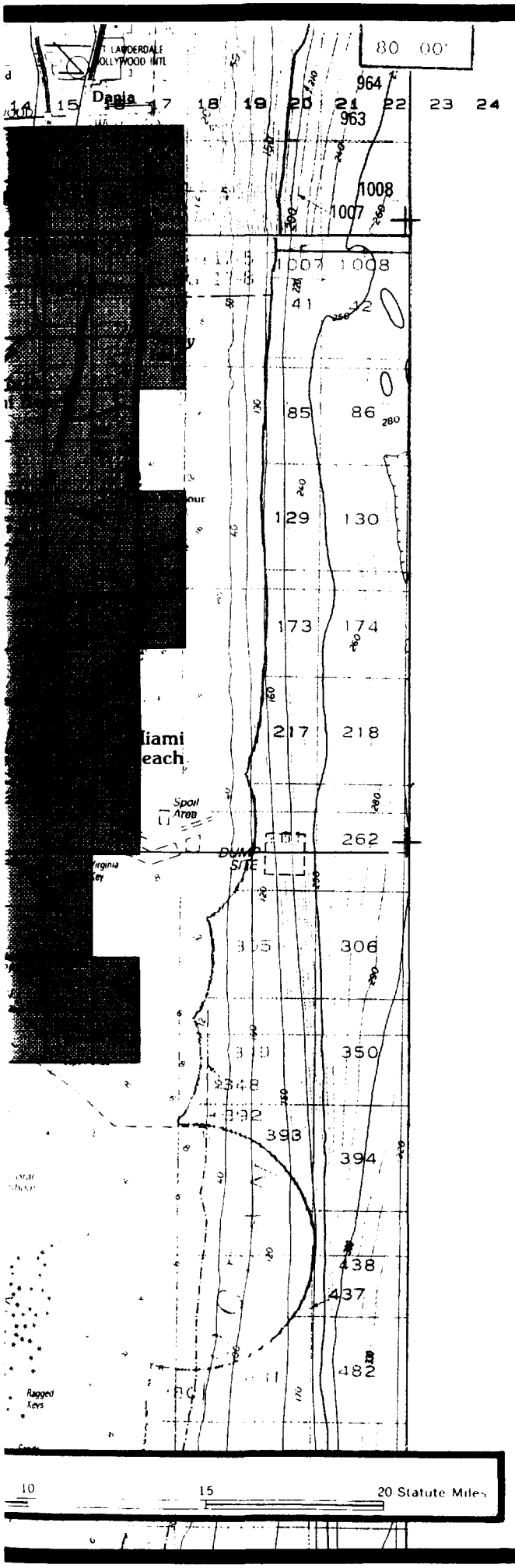
Licensee A Spectrum Availability

3 Lic/Mrkt and 30 MHz/Lic

Miami

10/29/92


LEGEND
Available Spectrum Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
3
80 30'
80 15'
26 00'
25 45'
BROWARD CO.
DADE CO.
Miami
Carol City
MIAMI
Coopertown
Frog City
Westchester
Coral Gables
Olympia Heights
South Miami
Kendall
Richmond Heights
Perrine
South Miami Heights
Cutler Ridge
Gaulds
Princeton
Redland
Homestead
Leisure City
CHEKIKA STATE RECREATION AREA
KENDALL GUIDERPORT
RICHARDS
HOMESTEAD GENERAL
AIR FORCE BASE
Custard Apple Hammock
Palm Tree Head
Chekika Island
Vulture Hammock
Poinciana Hammock
Irongrape Hammock
Spoil Area



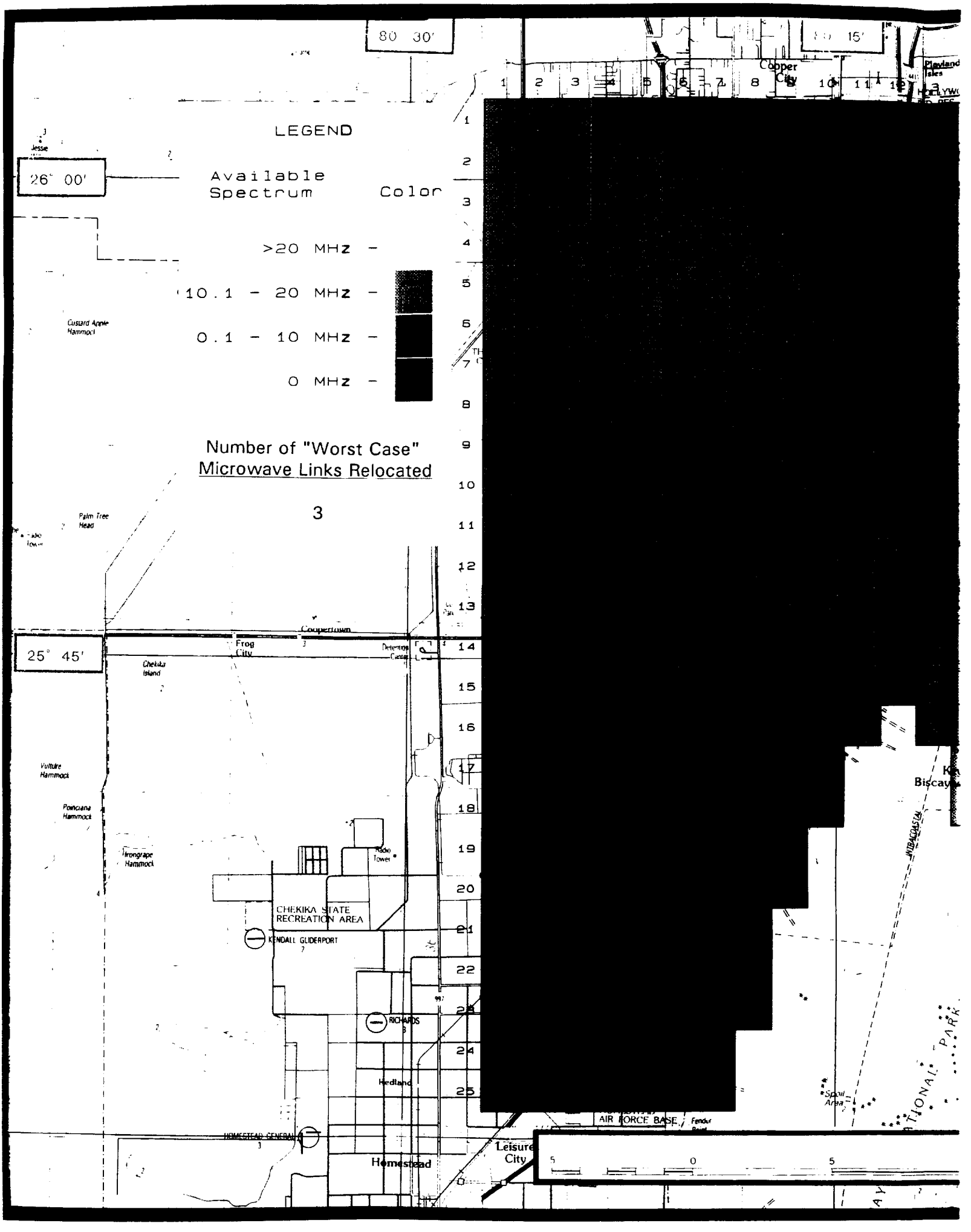
AMERICAN PERSONAL COMMUNICATIONS

Licensee A Spectrum Availability

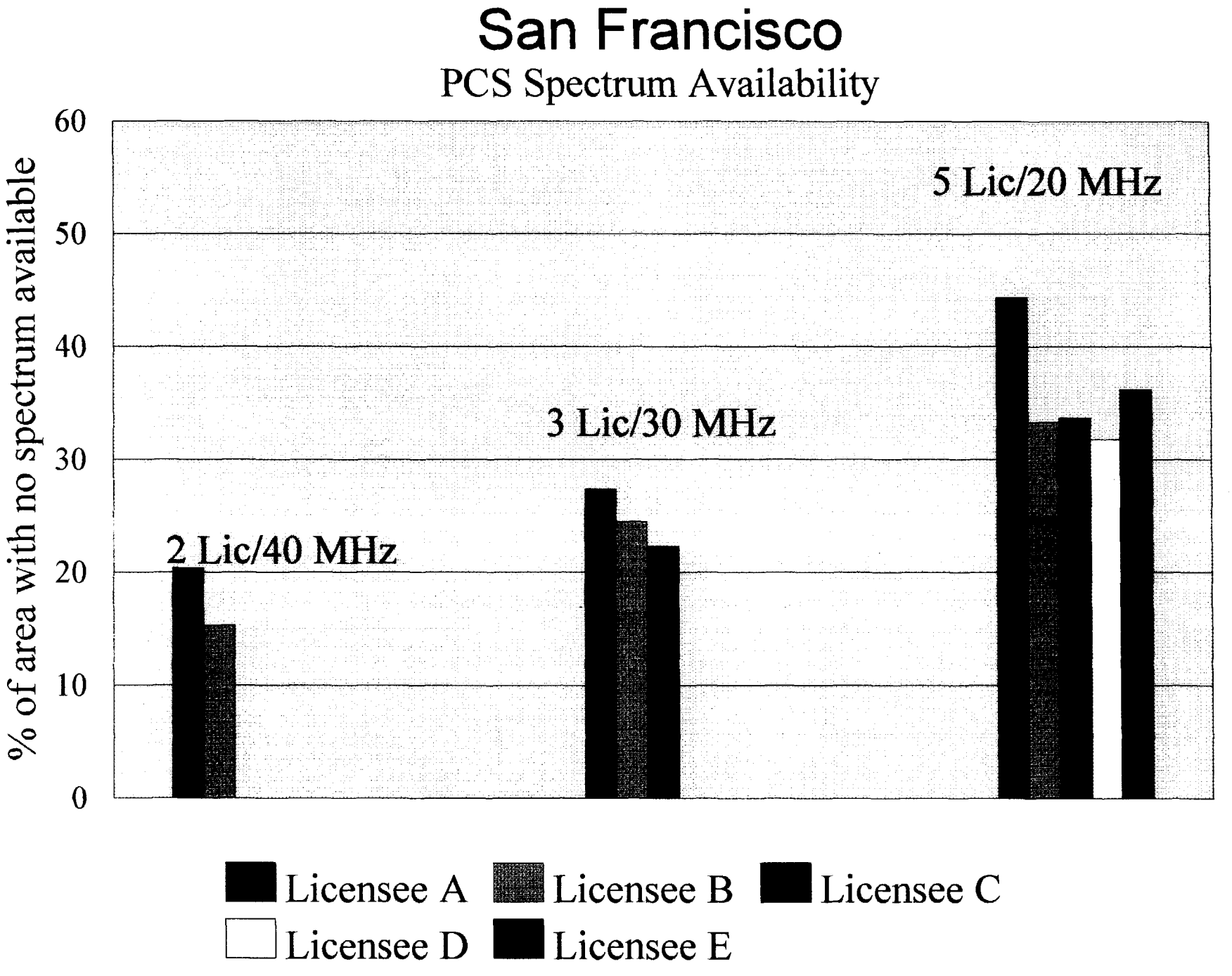
5 Lic/Mrkt and 20 MHz/Lic

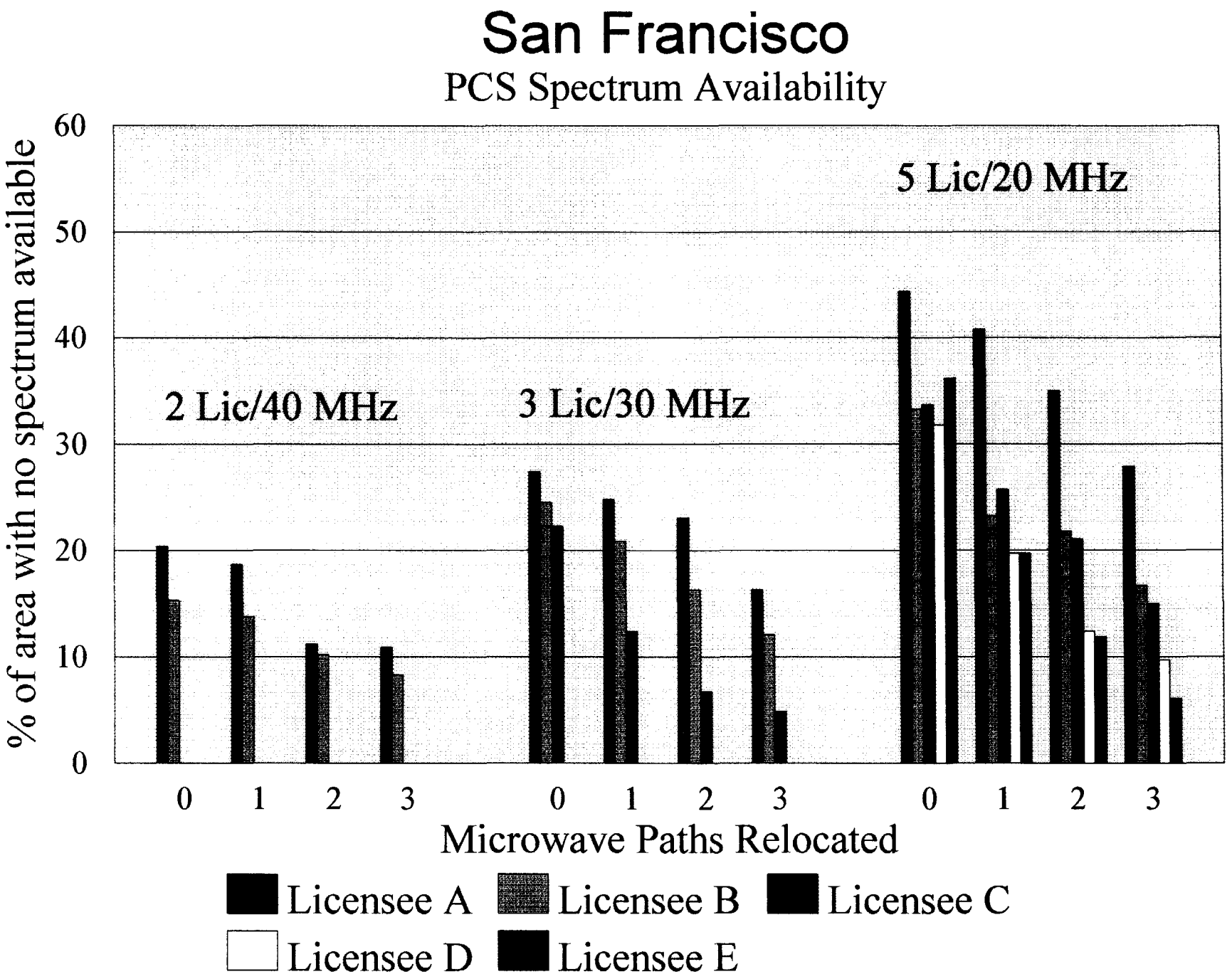
Miami

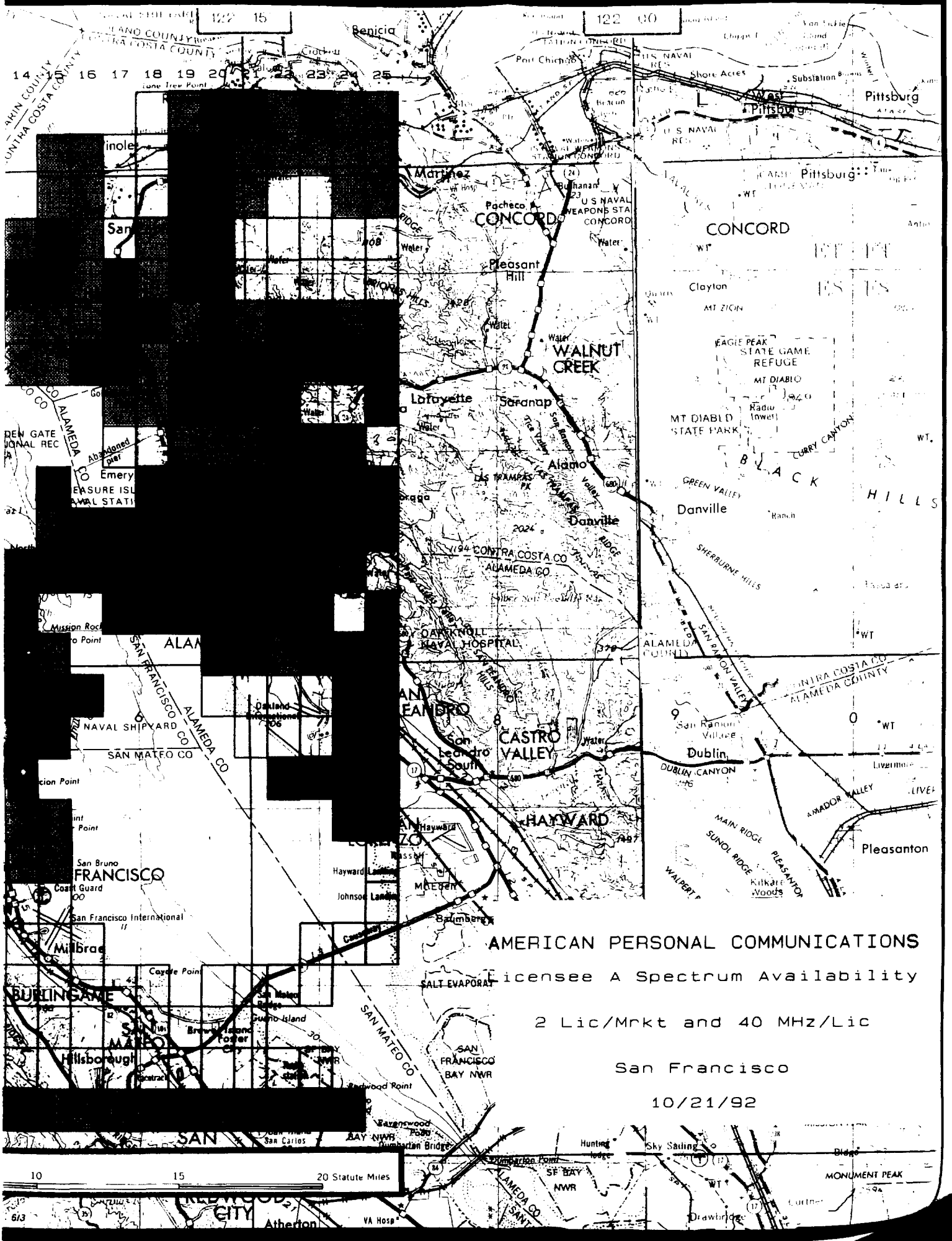
10/29/92

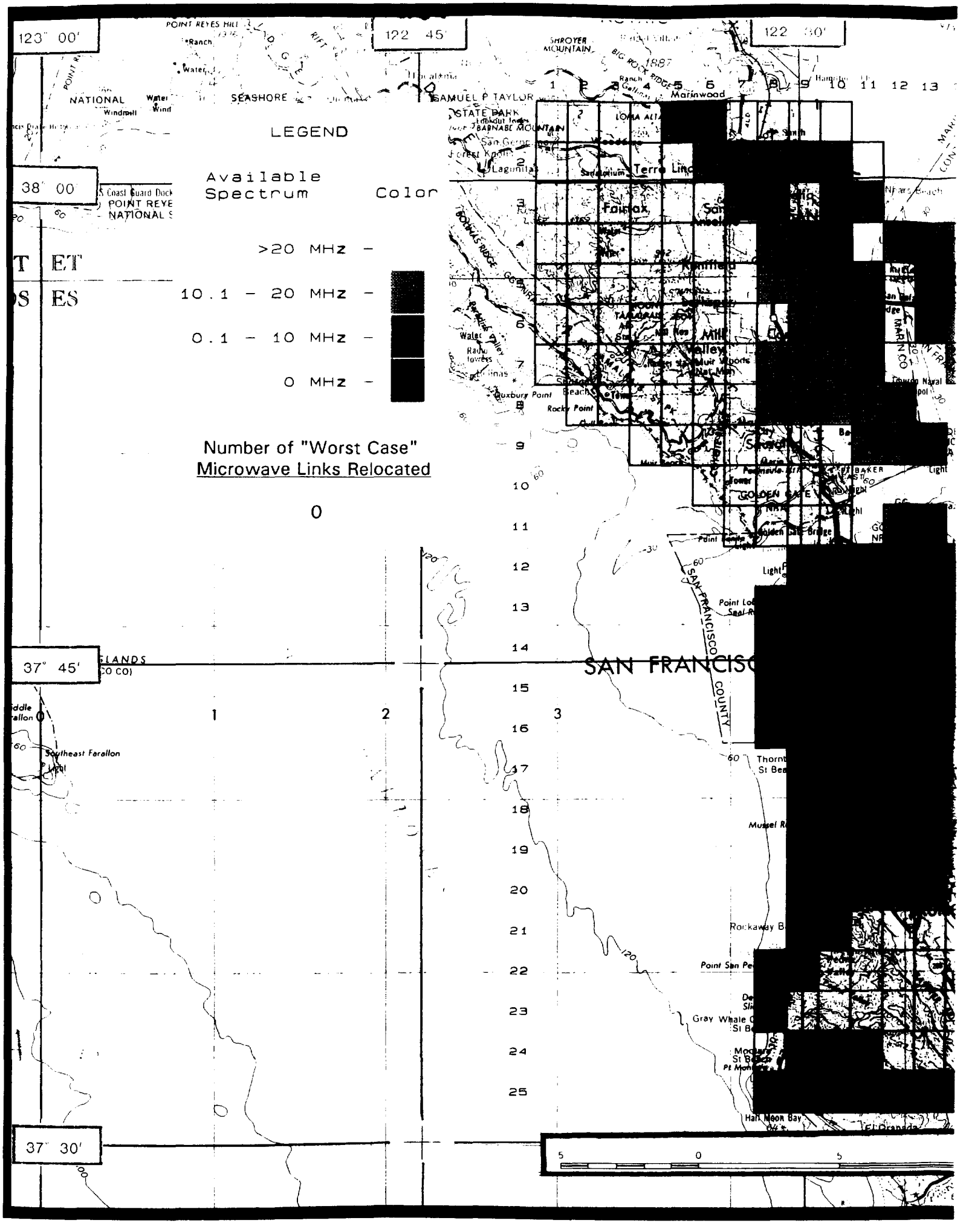

LEGEND
Available Spectrum Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
3
80° 30'
26° 00'
25° 45'
Cooper City
Jessie
Custard Apple Hammock
Palm Tree Head
Coopertown
Frog City
Chekika Island
Vulture Hammock
Poinciana Hammock
Hrongrape Hammock
Radio Tower
CHEKIKA STATE RECREATION AREA
KENDALL GLIDERPORT
RICHARDS
Redland
Homestead
Leisure City
AIR FORCE BASE
Spoil Area
Biscayne
INTRACOASTAL
NATIONAL PARK
5 0 5

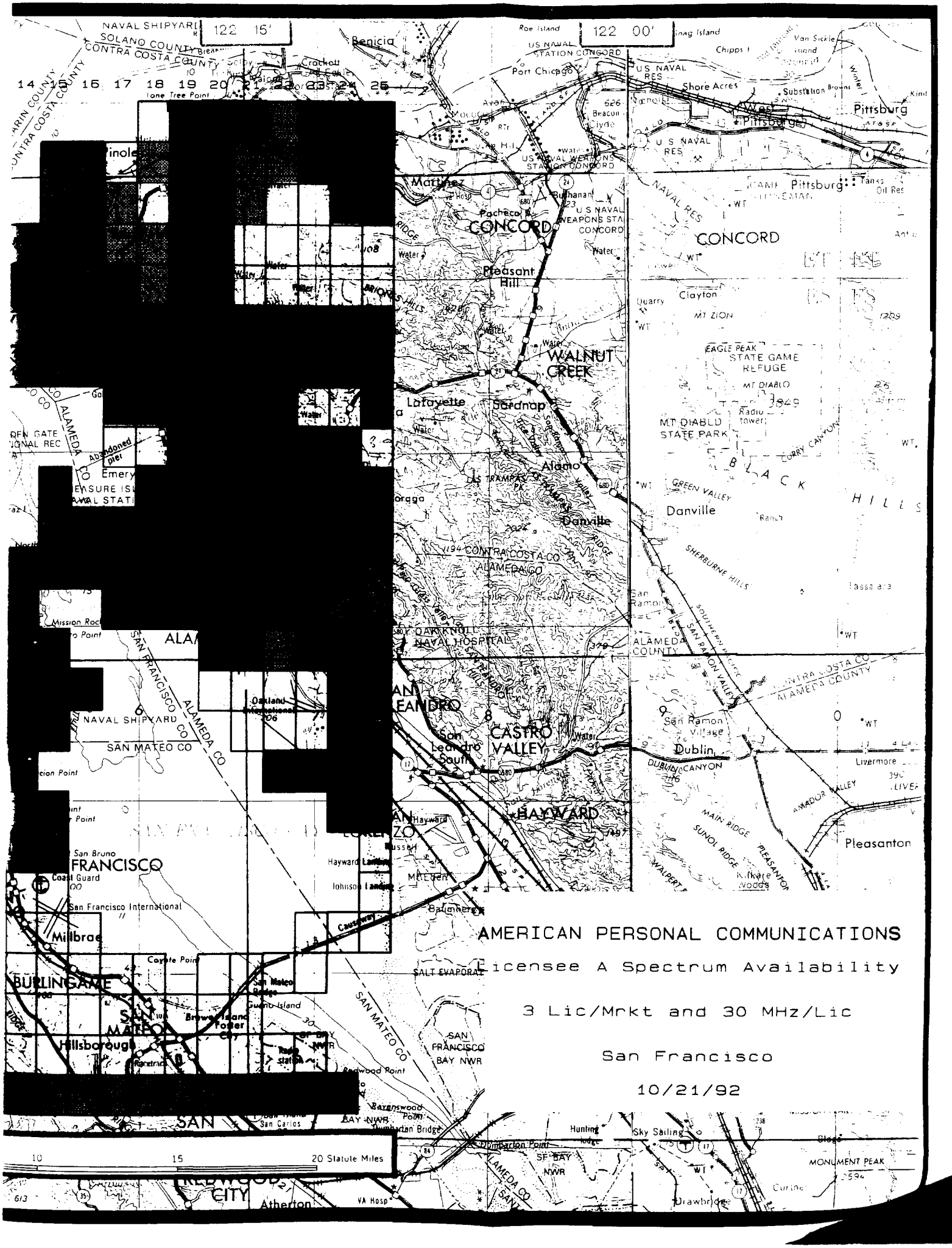
San Francisco

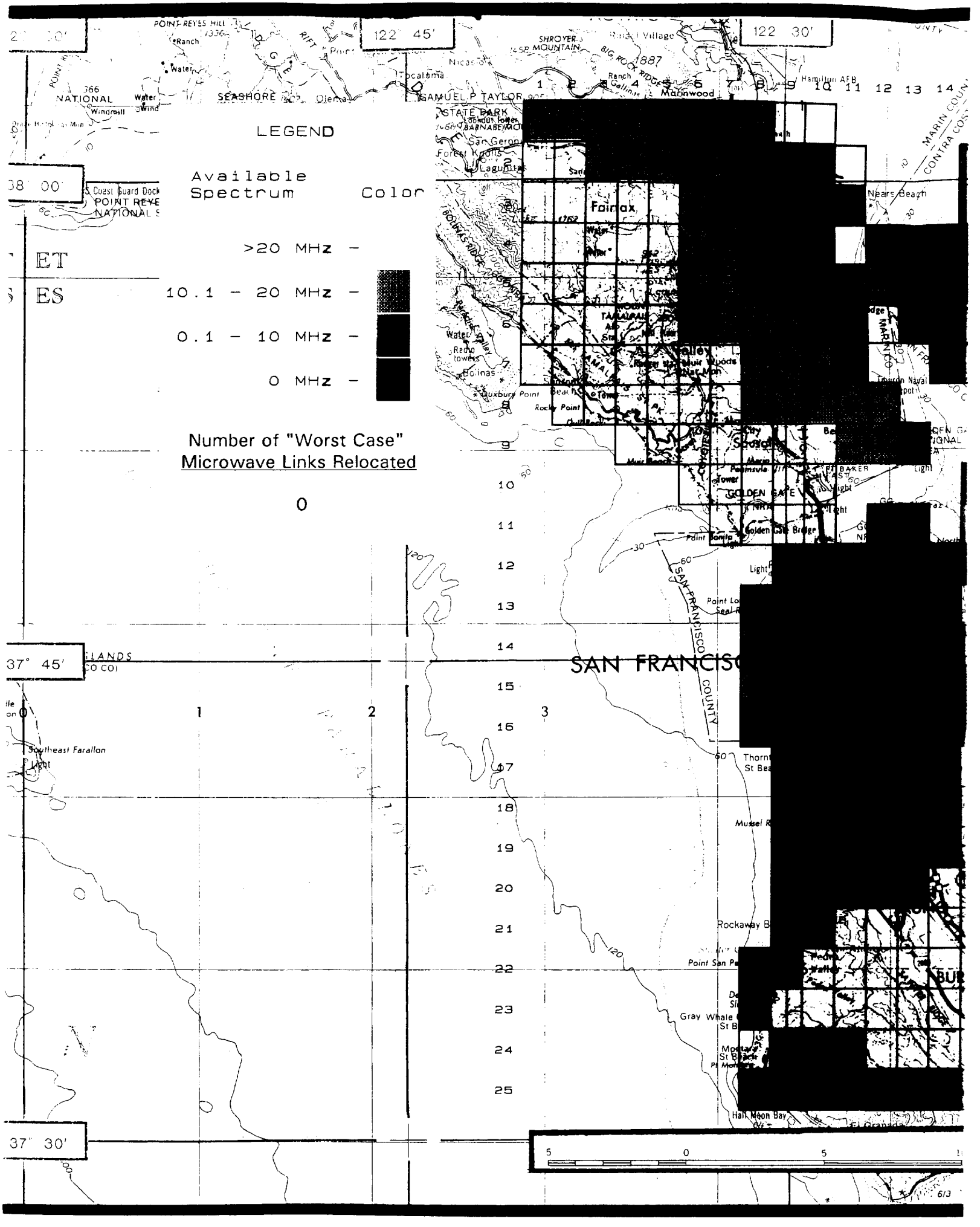

San Francisco
PCS Spectrum Availability
% of area with no spectrum available
60
50
40
30
20
10
0
2 Lic/40 MHz
3 Lic/30 MHz
5 Lic/20 MHz
Licensee A
Licensee B
Licensee C
Licensee D
Licensee E

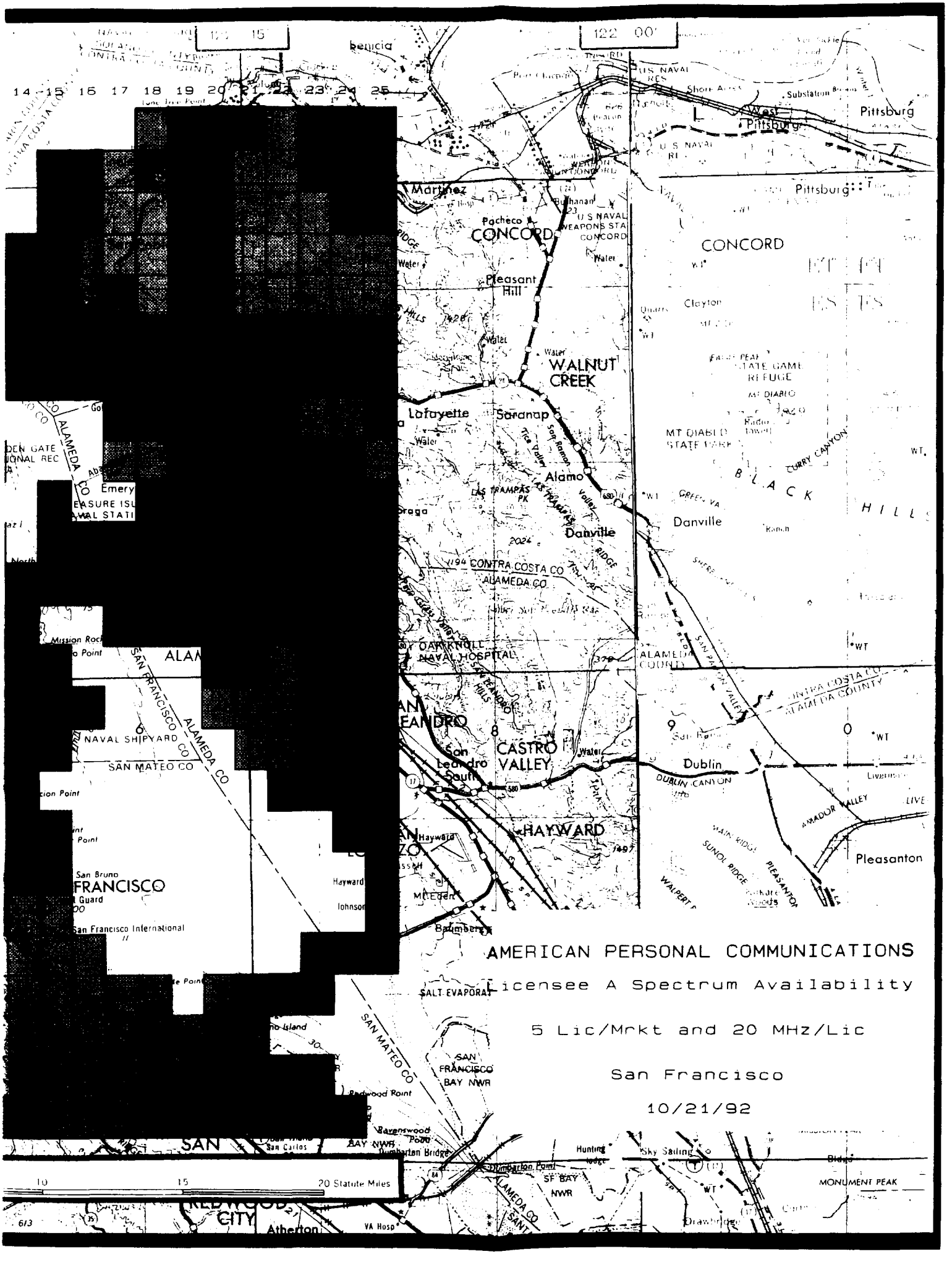

San Francisco
PCS Spectrum Availability
% of area with no spectrum available
60
50
40
30
20
10
0
2 Lic/40 MHz
3 Lic/30 MHz
5 Lic/20 MHz
0 1 2 3
0 1 2 3
0 1 2 3
Microwave Paths Relocated
Licensee A
Licensee B
Licensee C
Licensee D
Licensee E

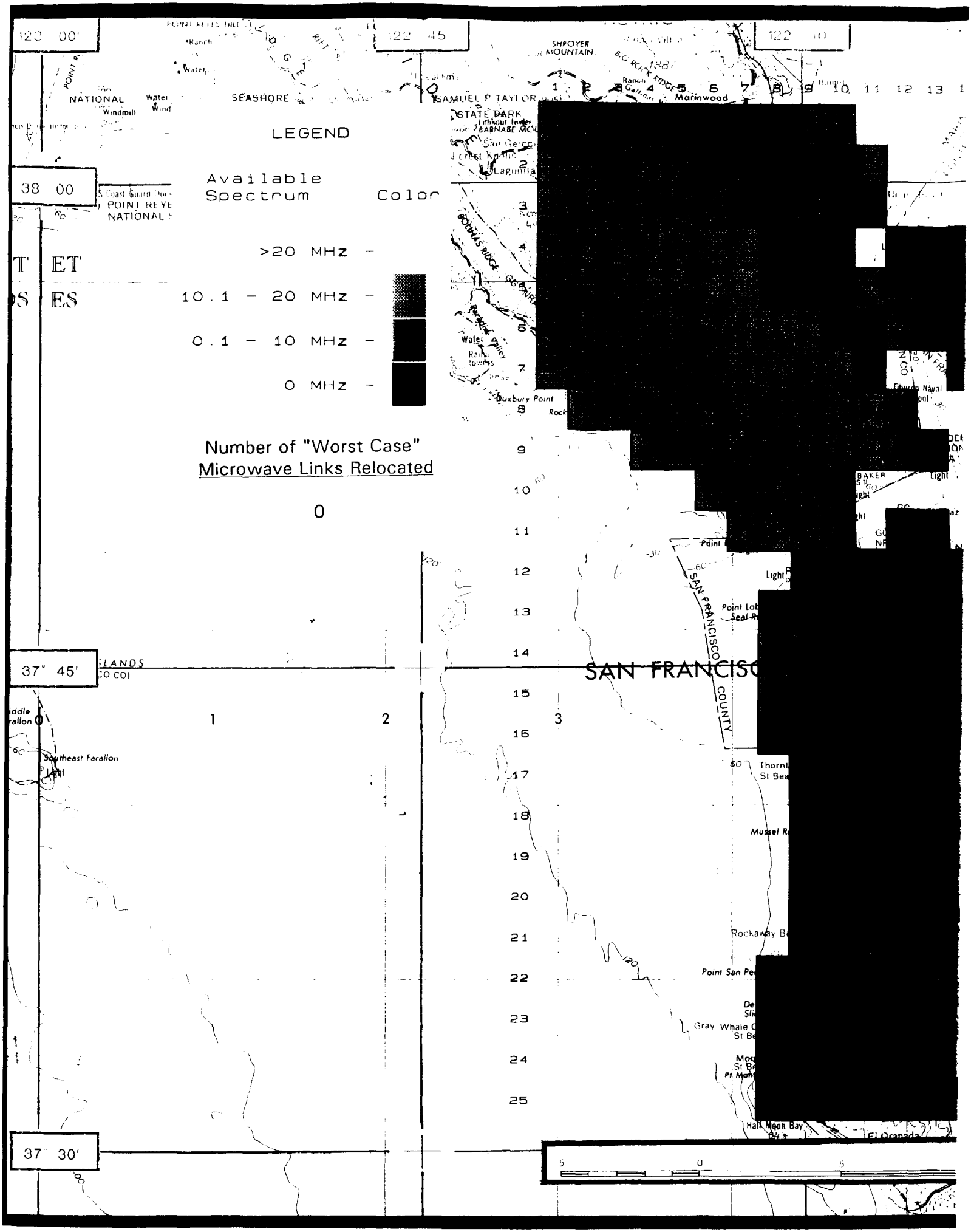

AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
2 Lic/Mrkt and 40 MHz/Lic
San Francisco
10/21/92
Benicia
Martinez
Pacheco
CONCORD
Pleasant Hill
WALNUT CREEK
Lafayette
Saranap
Alamo
Danville
Dublin
Pleasanton
CASTRO VALLEY
HAYWARD
SAN LEANDRO
Oakland
SAN FRANCISCO
Millbrae
BURLINGAME
Hillsborough
REDWOOD CITY
Atherton
Pittsburg
West Pittsburg
Clayton
MT DIABLO STATE PARK
EAGLE PEAK STATE GAME REFUGE
BLACK HILLS
CONTRA COSTA CO
ALAMEDA CO
SAN MATEO CO
SAN FRANCISCO BAY NWR
SF BAY NWR
10
15
20 Statute Miles

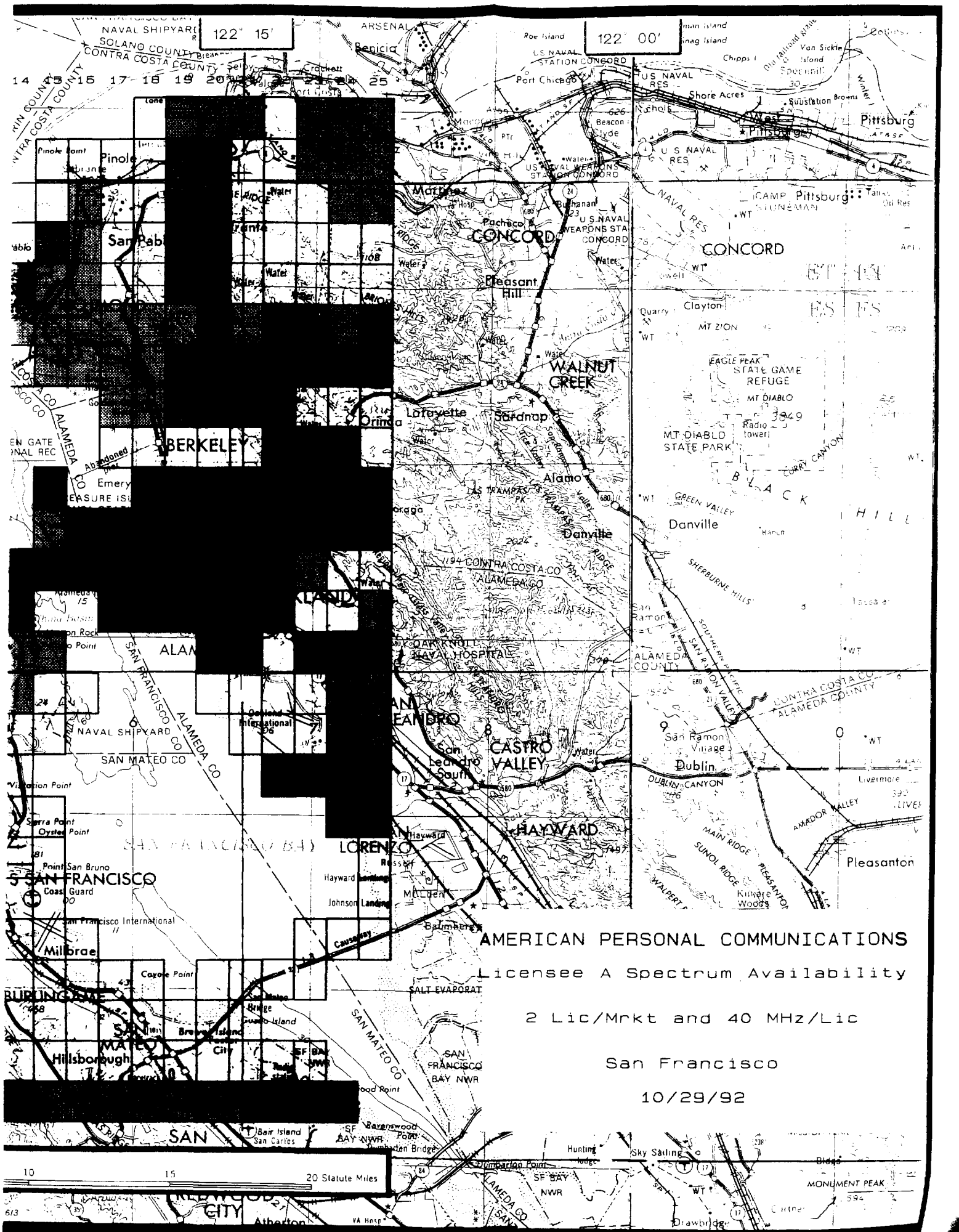

LEGEND
Available Spectrum Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
0
123° 00'
122° 45'
122° 30'
38° 00'
37° 45'
37° 30'
SAN FRANCISCO
SAN FRANCISCO COUNTY
Southeast Farallon
Rockaway B
Point San Pe
Gray Whale C
Half Moon Bay

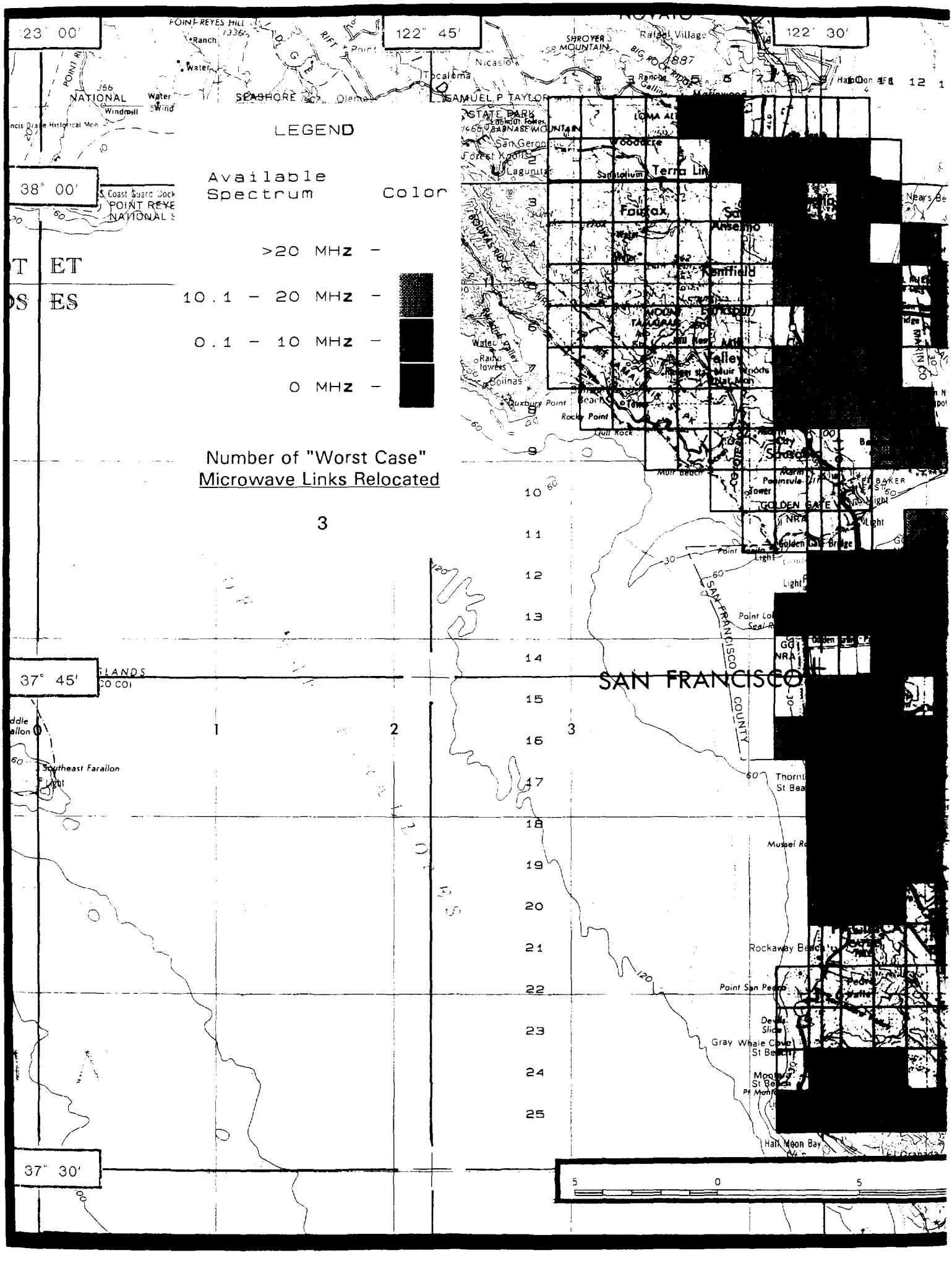

AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
3 Lic/Mrkt and 30 MHz/Lic
San Francisco
10/21/92
CONCORD
WALNUT CREEK
Pleasant Hill
Lafayette
Danville
CASTRO VALLEY
HAYWARD
Pleasanton
Dublin
Livermore
Pittsburg
Benicia
Martinez
Pacheco
Clayton
Alamo
San Ramon
SAN FRANCISCO
BURLINGAME
SAN MATEO
Millbrae
Hillsborough
REDWOOD CITY
Atherton
Oakland
Emeryville
San Leandro
Hayward
Mission Rock
Coyote Point
Tiburon
Sky Sailing
Hunting lodge
Drawbridge
MONUMENT PEAK
10
15
20 Statute Miles

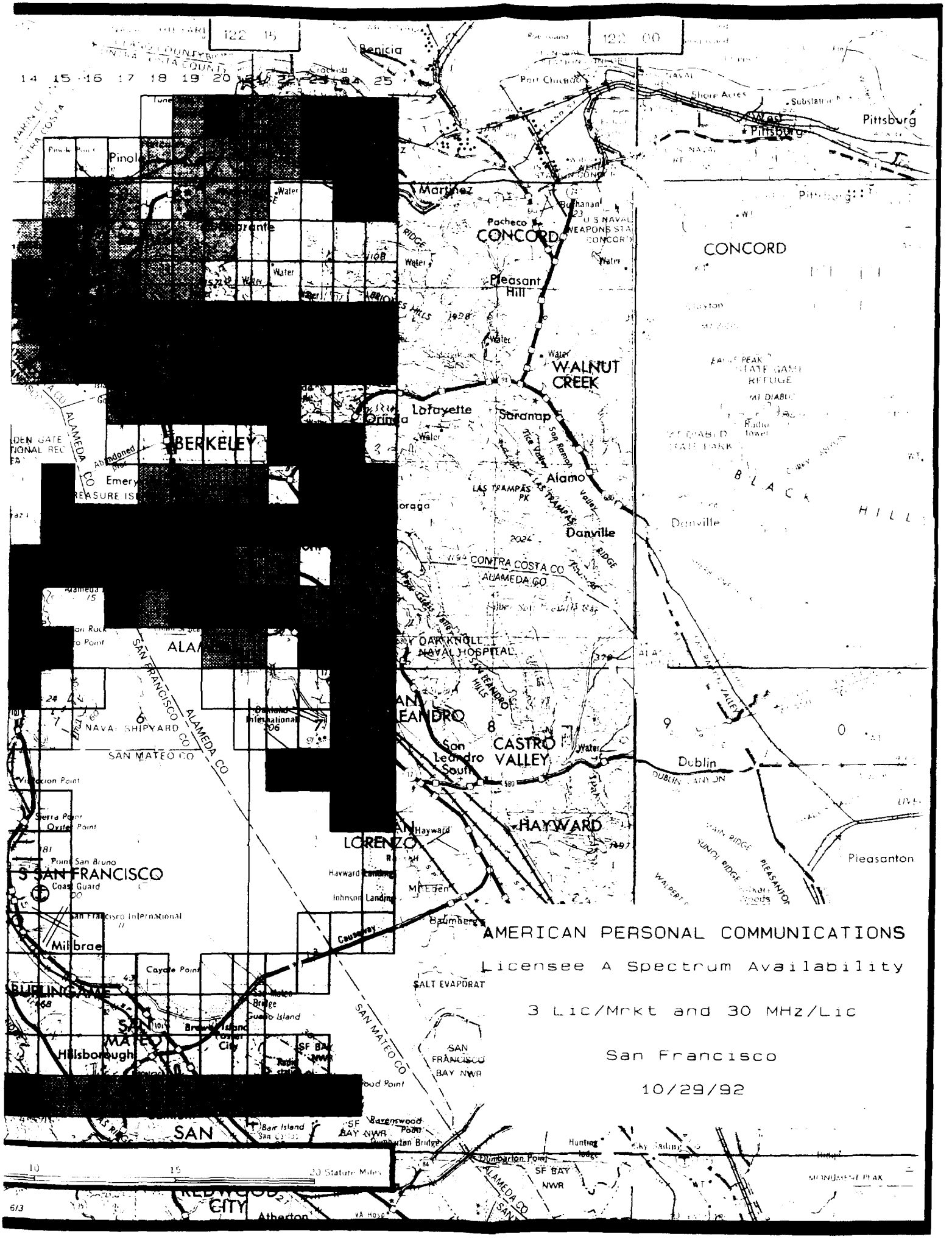

LEGEND
Available Spectrum Color
>20 MHz
10.1 - 20 MHz
0.1 - 10 MHz
0 MHz
Number of "Worst Case" Microwave Links Relocated
0
122° 45'
122° 30'
38° 00'
37° 45'
37° 30'
SAN FRANCISCO
Fairfax
Bolinas
Sausalito
Mill Valley
Mill Valley Woods Nat Mon
Muir Woods Nat Mon
Point Reyes Station
Inverness
Point Reyes Hill
Tomales
Nicasio
Olema
Lagunitas
San Geronimo
Forest Knolls
Samuel P Taylor State Park
Marinwood
Hamilton AFB
Novato
Nicks Village
Shroyer Mountain
Big Rock Ridge
Bolinas Ridge
Rift Valley
Rocky Point
Duxbury Point
Point Bonita
Golden Gate Bridge
Golden Gate
Point Lobos
Seal Rock
Southeast Farallon Light
Thornton Beach
Mussel Rock
Rockaway Beach
Point San Pedro
Gray Whale Cove
Montara
Pt Montara
Half Moon Bay
Nears Beach
Tiburon Naval Airport
Marin County
Contra Costa
San Francisco County
Point Reyes National Seashore
Coast Guard Dock
Windmill
Water
Radio towers
Light
5 0 5

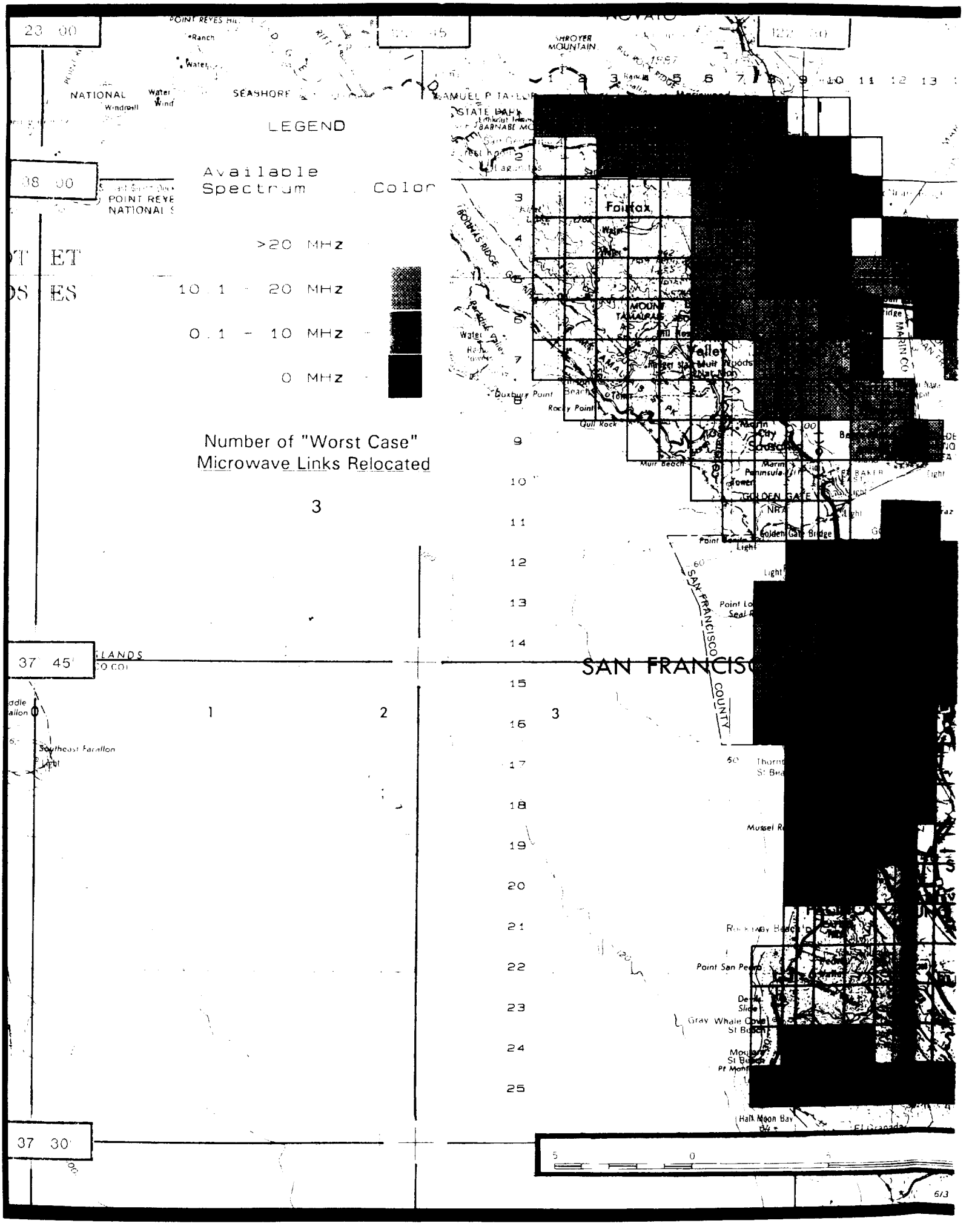

AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
5 Lic/Mrkt and 20 MHz/Lic
San Francisco
10/21/92
Martinez
Pacheco
CONCORD
Pleasant Hill
WALNUT CREEK
Lafayette
Saranap
Alamo
Danville
CONTRA COSTA CO
ALAMEDA CO
OAK KNOLL NAVAL HOSPITAL
SAN LEANDRO
CASTRO VALLEY
San Leandro South
HAYWARD
Dublin
Pleasanton
Pittsburg
West Pittsburg
Emery
NAVAL SHIPYARD
SAN MATEO CO
SAN FRANCISCO
San Bruno
San Francisco International
Hayward
Mt Eden
Benicia
SAN FRANCISCO BAY NWR
SF BAY NWR
MONUMENT PEAK
REDWOOD CITY
Atherton
10 15 20 Statute Miles

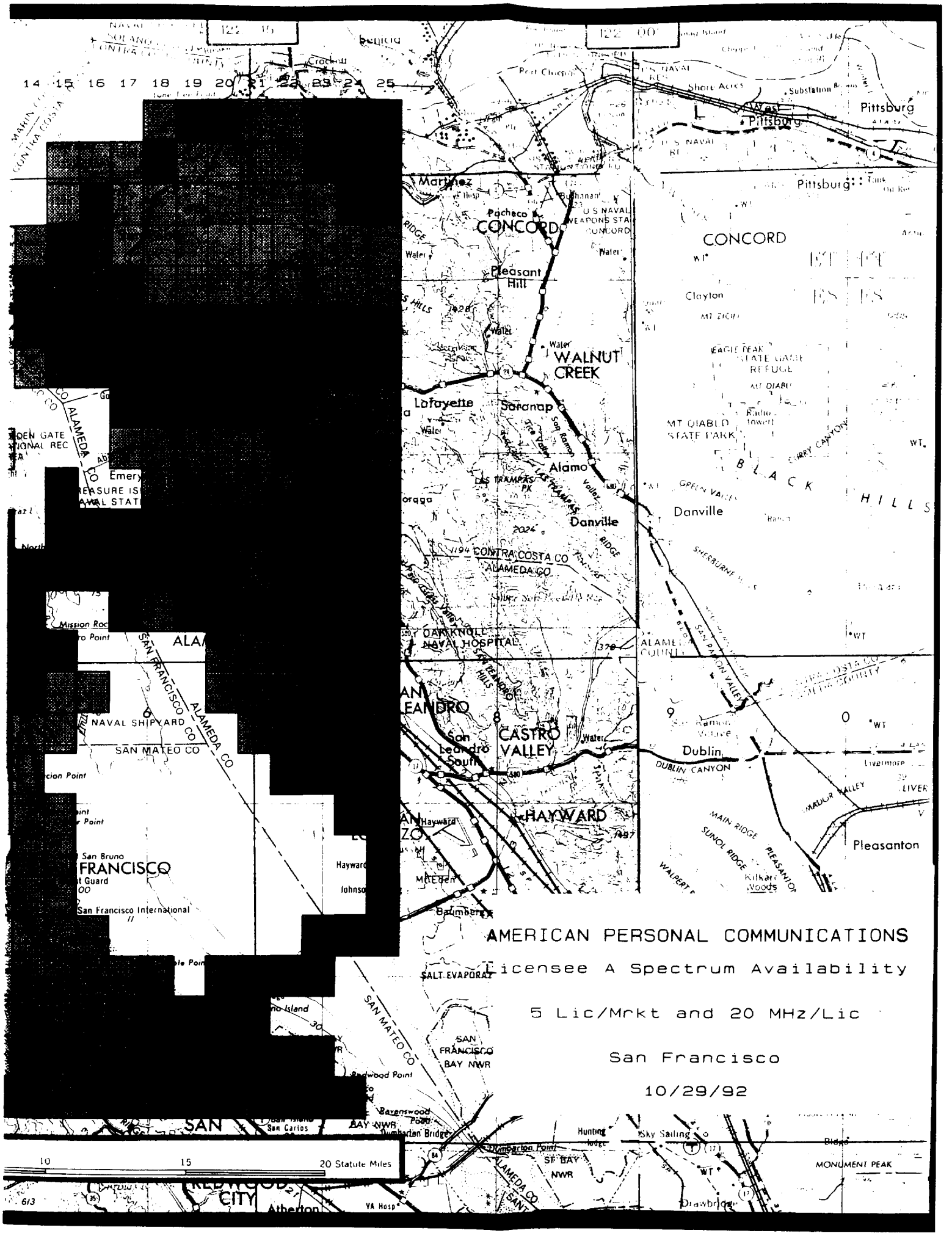

LEGEND
Available Spectrum Color
>20 MHz
10.1 - 20 MHz
0.1 - 10 MHz
0 MHz
Number of "Worst Case" Microwave Links Relocated
0
123 00'
122 45
122 30
38 00
37° 45'
37° 30'
SAMUEL P TAYLOR STATE PARK
SEASHORE
NATIONAL
POINT REYES
SHPOYER MOUNTAIN
Marinwood
Duxbury Point
SAN FRANCISCO COUNTY
Southeast Farallon
Mussel Rock
Rockaway Beach
Point San Pedro
Gray Whale Cove
Half Moon Bay
El Granada
1
2
3


AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
2 Lic/Mrkt and 40 MHz/Lic
San Francisco
10/29/92
122° 15'
122° 00'
CONCORD
WALNUT CREEK
Pleasant Hill
Lafayette
Orinda
BERKELEY
Alamo
Danville
CASTRO VALLEY
HAYWARD
San Leandro
Dublin
Pleasanton
Pittsburg
San Ramon
SAN FRANCISCO
Millbrae
Hillsborough
SAN MATEO
Pinole
Benicia
Martinez
Clayton
MT DIABLO STATE PARK
EAGLE PEAK STATE GAME REFUGE
CONTRA COSTA CO
ALAMEDA CO
SAN MATEO CO
SAN FRANCISCO CO
NAVAL SHIPYARD
SAN FRANCISCO BAY NWR
SF BAY NWR
10
15
20 Statute Miles


LEGEND
Available Spectrum Color
>20 MHz
10.1 - 20 MHz
0.1 - 10 MHz
0 MHz
Number of "Worst Case"
Microwave Links Relocated
3
122° 45'
122° 30'
38° 00'
37° 45'
37° 30'
SAN FRANCISCO
SAN FRANCISCO COUNTY
Fairfax
Kentfield
Sausalito
Mill Valley
Muir Beach
Point Reyes Station
Inverness
Olema
Nicasio
Tomales
Bolinas
Stinson Beach
Rockaway Beach
Point San Pedro
Gray Whale Cove
Half Moon Bay
Southeast Farallon Light
Rocky Point
Duxbury Point
Point Lobos
Golden Gate Bridge
Point Bonita Light
Point Pedro
Mussel Rock
Thornton Beach
Pt Montara
Pt Grapeville
Point Reyes Hill
Ranch
Water
Windmill
Coast Guard Dock
POINT REYES NATIONAL SEASHORE
SAMUEL P TAYLOR STATE PARK
Lagunitas
San Geronimo
Forest Knolls
Woodacre
Terra Linda
Ross
San Anselmo
Nicasio
Tomales
Bolinas
Muir Woods Nat Mon
Mt Tamalpais
Sausalito
Mill Valley
Tiburon
Belvedere
Point Reyes Peninsula
Golden Gate NRA
Rafael Village
Shroyer Mountain
Big Rock Ridge
Bowman Ridge
Bolinas Ridge
Rift Zone
Point Reyes Hill
Gull Rock
Point Lobos
Seal Rock
Devils Slide
Pedro Valley
Moss Beach
Pt Montara
Half Moon Bay
Thornton Beach
Mussel Rock
Point San Pedro
Rockaway Beach
Gray Whale Cove
Southeast Farallon Light
Point Reyes Peninsula
Point Bonita Light
Golden Gate Bridge
Point Lobos
Seal Rock
Rocky Point
Duxbury Point
Gull Rock
Muir Beach
Point Reyes Station
Inverness
Olema
Nicasio
Tomales
Bolinas
Stinson Beach
Rockaway Beach
Point San Pedro
Gray Whale Cove
Half Moon Bay
Pt Montara
Thornton Beach
Mussel Rock
Devils Slide
Pedro Valley
Moss Beach
Pt Grapeville
Point Reyes Hill
Ranch
Water
Windmill
Coast Guard Dock
POINT REYES NATIONAL SEASHORE
SAMUEL P TAYLOR STATE PARK
Lagunitas
San Geronimo
Forest Knolls
Woodacre
Terra Linda
Ross
San Anselmo
Nicasio
Tomales
Bolinas
Muir Woods Nat Mon
Mt Tamalpais
Sausalito
Mill Valley
Tiburon
Belvedere
Point Reyes Peninsula
Golden Gate NRA
Rafael Village
Shroyer Mountain
Big Rock Ridge
Bowman Ridge
Bolinas Ridge
Rift Zone
Point Reyes Hill
Gull Rock
Point Lobos
Seal Rock
Rocky Point
Duxbury Point


AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
3 Lic/Mrkt and 30 MHz/Lic
San Francisco
10/29/92
Benicia
Pittsburg
Martinez
Pacheco
CONCORD
Pleasant Hill
WALNUT CREEK
Lafayette
Orinda
Moraga
Alamo
Danville
BERKELEY
Emeryville
CONTRA COSTA CO
ALAMEDA CO
OAK KNOLL NAVAL HOSPITAL
SAN LEANDRO
CASTRO VALLEY
Dublin
HAYWARD
SAN LORENZO
Pleasanton
SAN FRANCISCO
Coast Guard
Millbrae
BURLINGAME
SAN MATEO
Hillsborough
SAN MATEO CO
SAN FRANCISCO BAY NWR
SALT EVAPORAT
Dumbarton Bridge
Dumbarton Point
SF BAY NWR
REDWOOD CITY
Atherton
10 15 20 Statute Miles


LEGEND
Available Spectrum Color
>20 MHz
10.1 - 20 MHz
0.1 - 10 MHz
0 MHz
Number of "Worst Case" Microwave Links Relocated
3
1
2
3
SAN FRANCISCO
Fairfax
Mill Valley
Sausalito
Point Reyes
Muir Beach
Golden Gate Bridge
Point San Pedro
Half Moon Bay
Southeast Farallon Light
23 00
38 00
37 45
37 30


AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
5 Lic/Mrkt and 20 MHz/Lic
San Francisco
10/29/92
Martinez
Pacheco
CONCORD
Pleasant Hill
WALNUT CREEK
Lafayette
Saranap
Alamo
Danville
CONTRA COSTA CO
ALAMEDA CO
OAK KNOLL NAVAL HOSPITAL
SAN LEANDRO
CASTRO VALLEY
HAYWARD
Dublin
Pleasanton
Livermore
Pittsburg
Clayton
MT DIABLO STATE PARK
BLACK HILLS
NAVAL SHIPYARD
SAN MATEO CO
SAN FRANCISCO CO
SAN FRANCISCO
San Francisco International
SAN FRANCISCO BAY NWR
SF BAY NWR
MONUMENT PEAK
10
15
20 Statute Miles