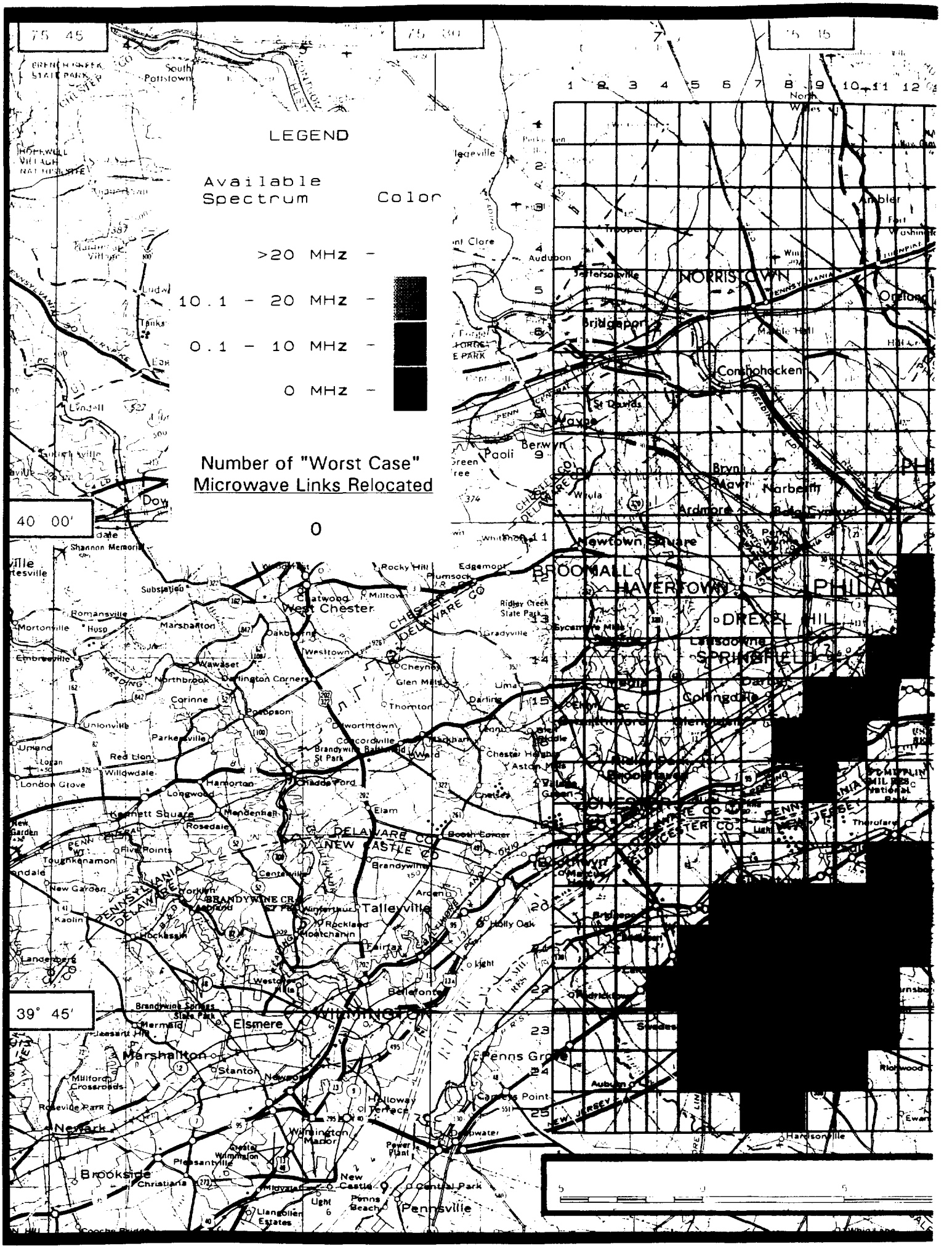
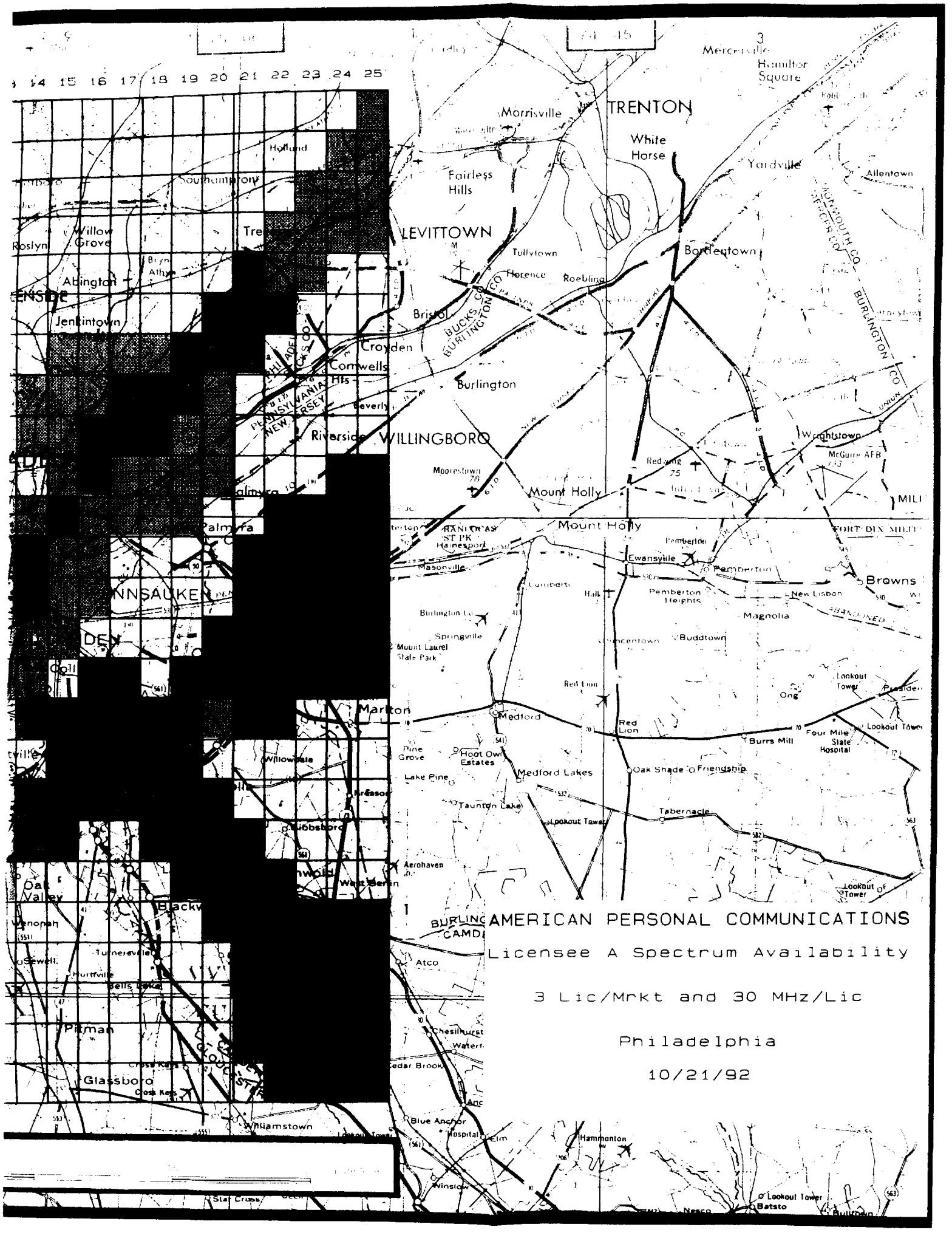

LEGEND
Available Spectrum Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
0
75 45
75 30
75 15
40 00'
39° 45'
NORRISTOWN
Bridgeport
Conshohocken
Newtown Square
BROOMALL
HAVERTOWN
DREXEL HILL
SPRINGFIELD
West Chester
Elsmere
Marshallton
Newark
Brookside
Pennsville
Penns Grove
Tallyville
DELAWARE CO
NEW CASTLE CO
CHESTER CO
BRANDYWINE CR
PENNSYLVANIA
NEW JERSEY



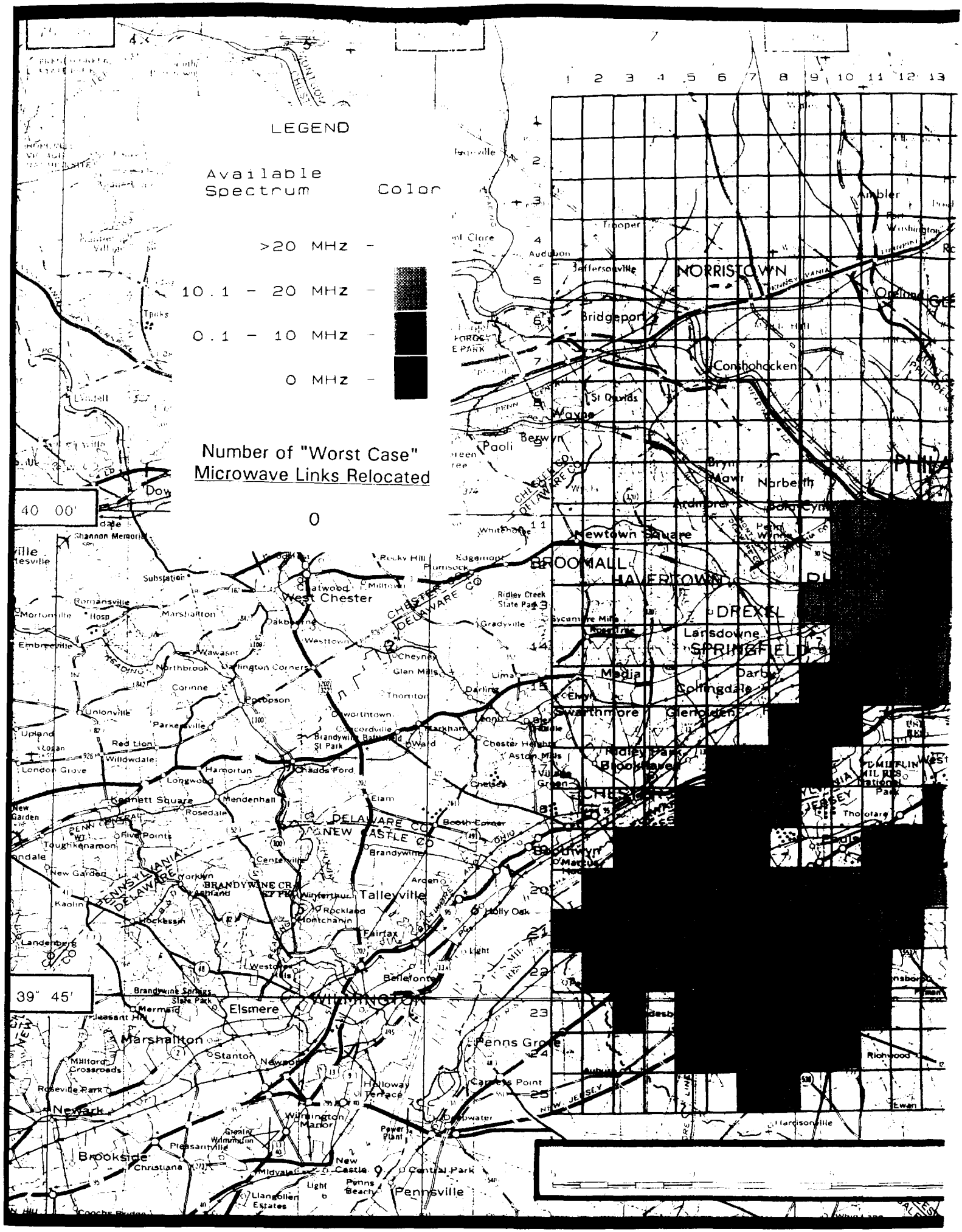
AMERICAN PERSONAL COMMUNICATIONS

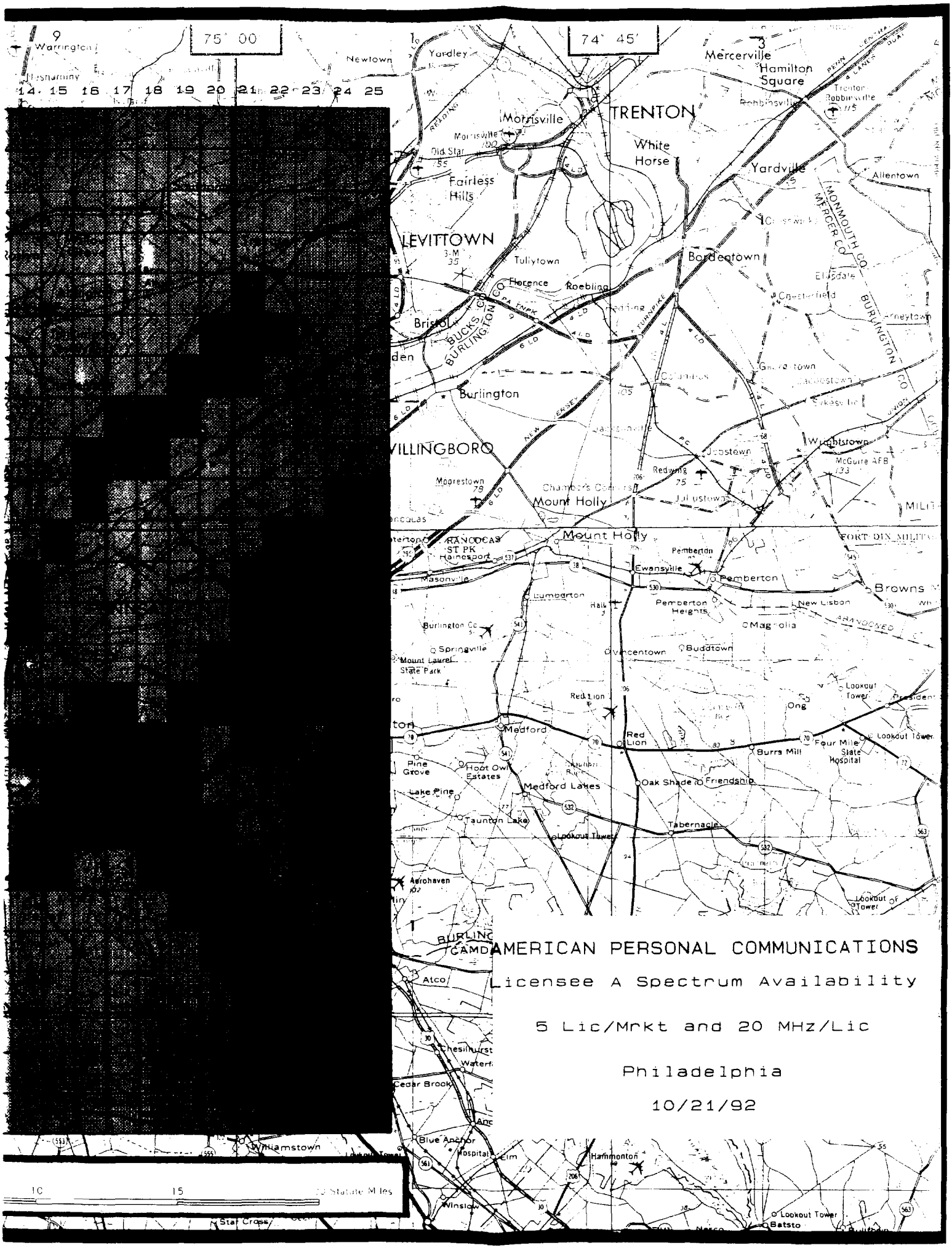
Licensee A Spectrum Availability

3 Lic/Mrkt and 30 MHz/Lic

Philadelphia

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
40 00'
39° 45'
NORRISTOWN
Conshohocken
Bridgeport
Ambler
Newtown Square
BROOMALL
HAVERTOWN
DREXEL
SPRINGFIELD
Media
Swarthmore
Glenolden
West Chester
Chadds Ford
Kennett Square
Talleyville
Wilmington
Elsmere
Marshallton
Newark
Brookside
Pennsville
Penns Grove
DELAWARE CO
CHESTER CO
NEW CASTLE CO
PENNSYLVANIA
DELAWARE
NEW JERSEY



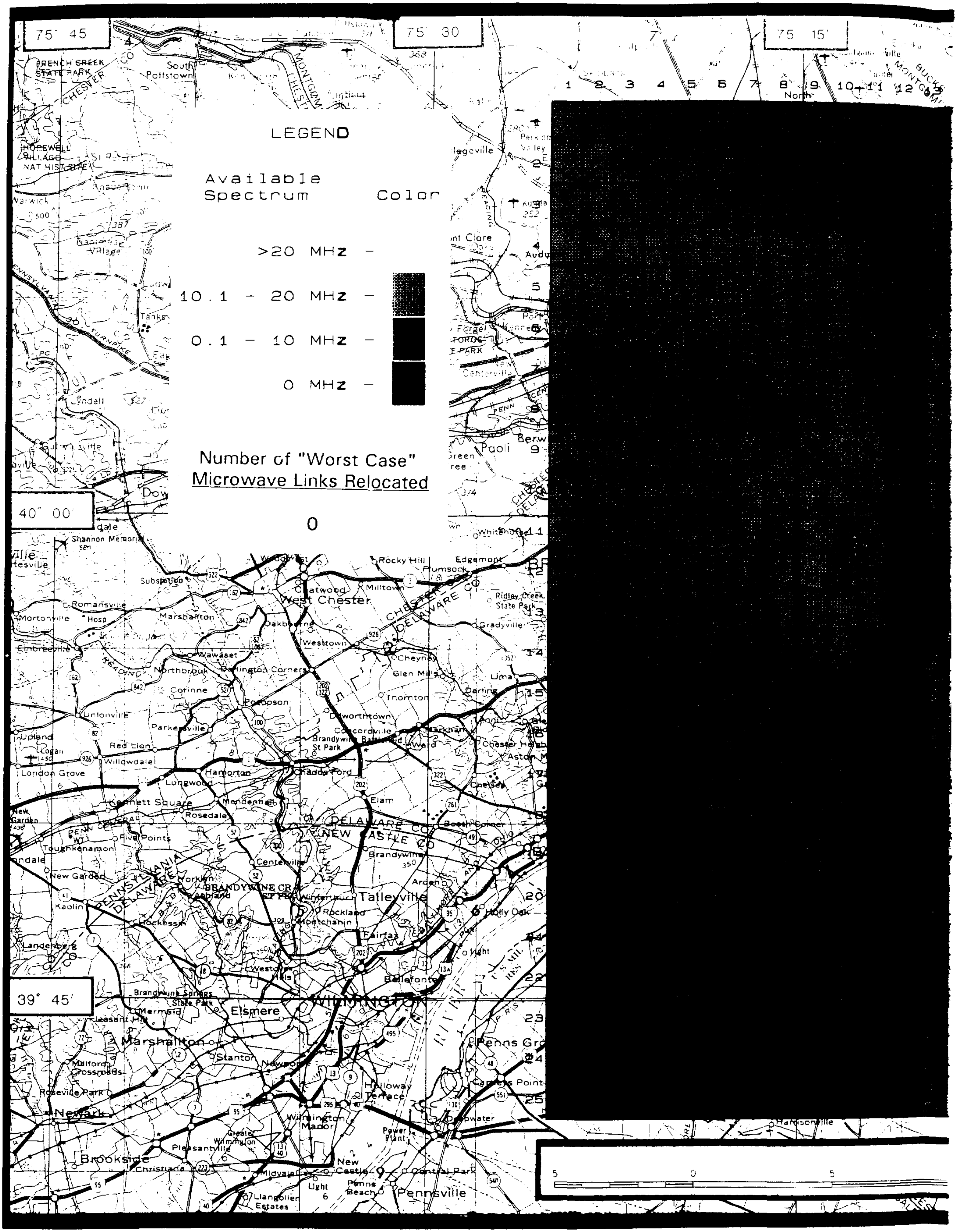
AMERICAN PERSONAL COMMUNICATIONS

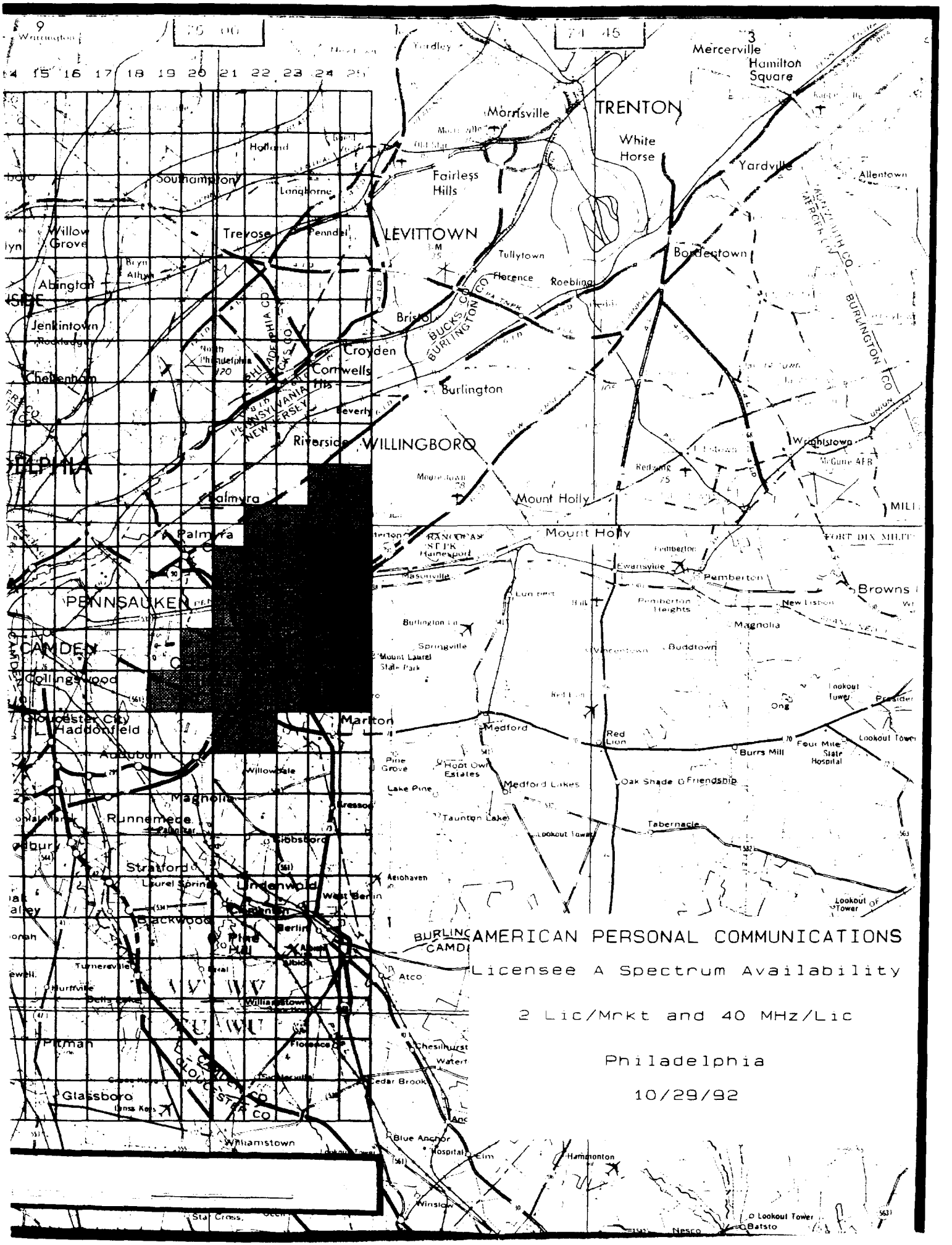
Licensee A Spectrum Availability

5 Lic/Mrkt and 20 MHz/Lic

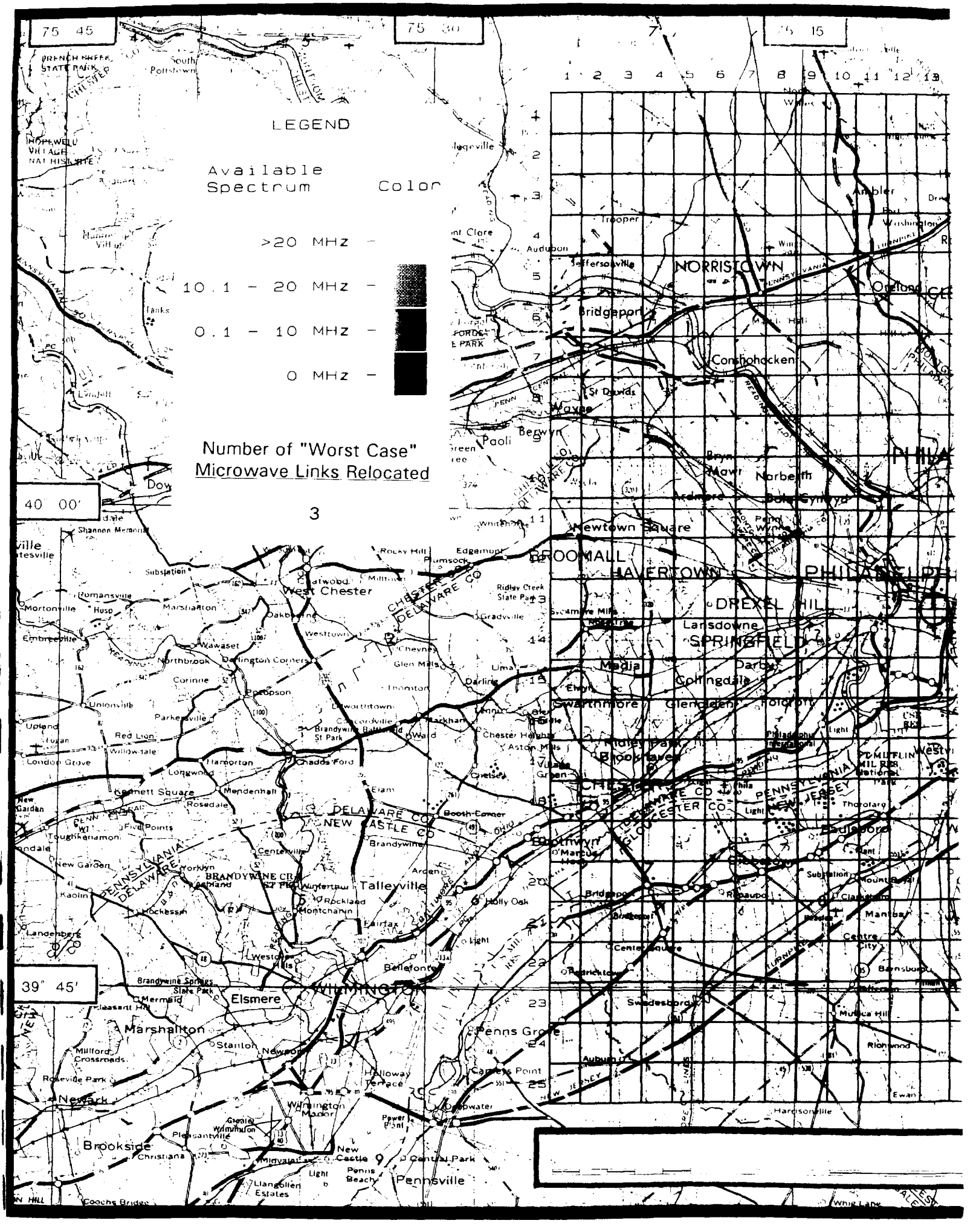
Philadelphia

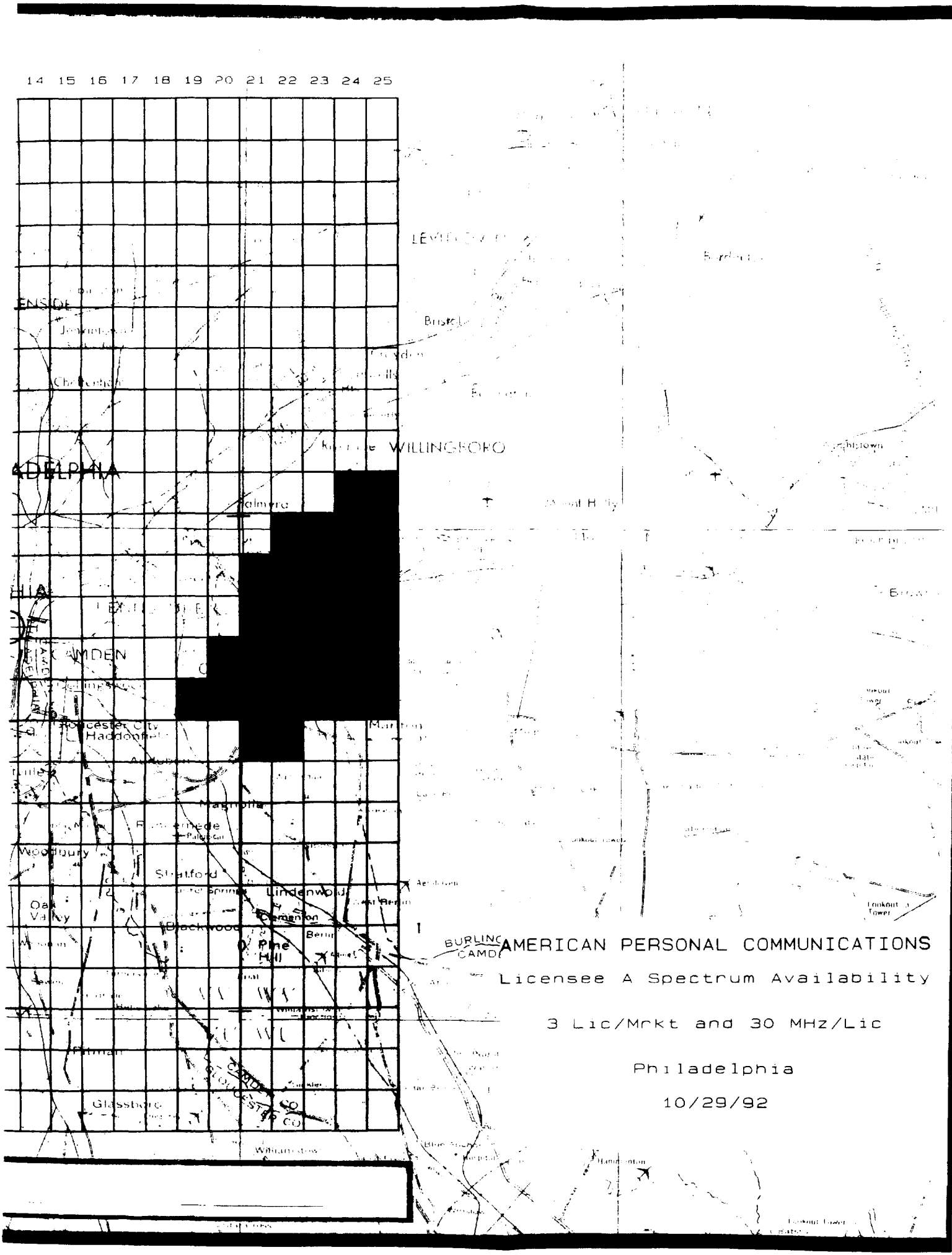
10/21/92


75° 45
75° 30
75° 15'
LEGEND
Available Spectrum
Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
0
40° 00'
39° 45'
West Chester
Wilmington
Elsmere
Marshallton
Newark
Brookside
Kennett Square
Talleyville
Paoli
Pennsville
5
0
5



AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
2 Lic/Mrkt and 40 MHz/Lic
Philadelphia
10/29/92
TRENTON
Morrisville
Mercerville
Hamilton Square
White Horse
Yardville
Allentown
Fairless Hills
LEVITTOWN
Trevose
Southampton
Willow Grove
Abington
Jenkintown
Cheltenham
Croydon
Cornwells Hts
Bristol
Burlington
Riverside
WILLINGBORO
Palmyra
PENNSAUKEN
CAMDEN
Collingswood
Haddonfield
Audubon
Magnolia
Runnemede
Stratford
Lindenwold
Blackwood
Pine Hill
Berlin
Atco
Williamstown
Glassboro
Pitman
Mount Holly
Bordentown
Tullytown
Florence
Roebling
Wrightstown
Pemberton
Browns
Medford
Red Lion
Burrs Mill
Oak Shade
Friendship
Tabernacle
Medford Lakes
Taunton Lake
Lake Pine
Pine Grove
Hoot Owl Estates
Magnolia
Buddtown
Vincentown
Springville
Mount Laurel State Park
Burlington Co
Ewansville
Pemberton Heights
New Lisbon
Lookout Tower
Four Mile State Hospital
Cedar Brook
Blue Anchor
Hammonton
Winslow
Batsto
Nesco
Lookout Tower


LEGEND
Available Spectrum Color
>20 MHz
10.1 - 20 MHz
0.1 - 10 MHz
0 MHz
Number of "Worst Case" Microwave Links Relocated
3
75 45
75 30
75 15
40 00'
39° 45'
NORRISTOWN
Bridgeport
Conshohocken
Wayne
Paoli
Bryn Mawr
Norbeth
Newtown Square
BROOMALL
HAVERTOWN
DREXEL HIL
Lansdowne
SPRINGFIELD
Media
Collingdale
Swarthmore
Glenolden
Ridley Park
Brookhaven
West Chester
Kennett Square
Chadds Ford
Elam
Brandywine
Talleyville
Wilmington
Elsmere
Marshallton
Newark
Brookside
Pennsville
Penns Grove
Swedesboro
Mullica Hill
Richwood
Ewan
Harrisonville
Bellefonte
Fairfax
Holly Oak
Centre Square
Mantua
Barnsboro
Bridgeport
Substation
Mount Ephraim
Clementon
Thorofare
Gloucester Co
Delaware Co
Chester Co
New Castle Co
Pennsylvania
New Jersey
Delaware
Brandywine Cr
Ridley Cr
Darby Cr
Schuylkill R
Delaware R
Pennsylvania R R
Reading R R
Conrail
Amtrak
Philadelphia International
Mifflin Hil Res National
Brandywine Battlefield St Park
Brandywine Springs State Park
Ridley Cr State Park
Chester Heights
Aston Mills
Glen Mills
Darling
Lima
Thornton
Concordville
Ward
Rockland
Montchanin
Wilmington Manor
New Castle
Central Park
Penns Beach
Pleasantville
Christiana
Newport
Stanton
Mermaid
Kaolin
Hockessin
Landenberg
Toughkenamon
Kennett Square
Mendenhall
Rosedale
Longwood
Hamorton
Willowdale
London Grove
Red Lion
Parkesville
Unionville
Corinne
Embreeville
Mortonville
Romansville
Marshallton
Downingtown
Coatesville
Phoenixville
Pottstown
Trooper
Ambler
Jeffersonville
Audubon
Lansdale
Souderton
Doylestown
Lahaska
Ivyland
Warminster
Willow Grove
Abington
Jenkintown
Glenside
Cheltenham
Ardmore
Bala Cynwyd
Haddonfield
Cherry Hill
Moorestown
Mount Holly
Burlington
Bordentown
Hamilton
Trenton
Pennington
Hopewell
Princeton
Lawrenceville
Ewing
Hopewell Village Nat Hist Site
French Creek State Park
Shannon Memorial
Rocky Hill
Edgemont
Plumsock
Ridley Creek State Park
Gradyville
Westtown
Chevney
Wawaset
Darlington Corners
Northbrook
Upland
Tolan
Brandywine Cr
Ridley Cr
Darby Cr
Schuylkill R
Delaware R
Coches Bridge
Whig Lane



AMERICAN PERSONAL COMMUNICATIONS

Licensee A Spectrum Availability

3 Lic/Mrkt and 30 MHz/Lic

Philadelphia

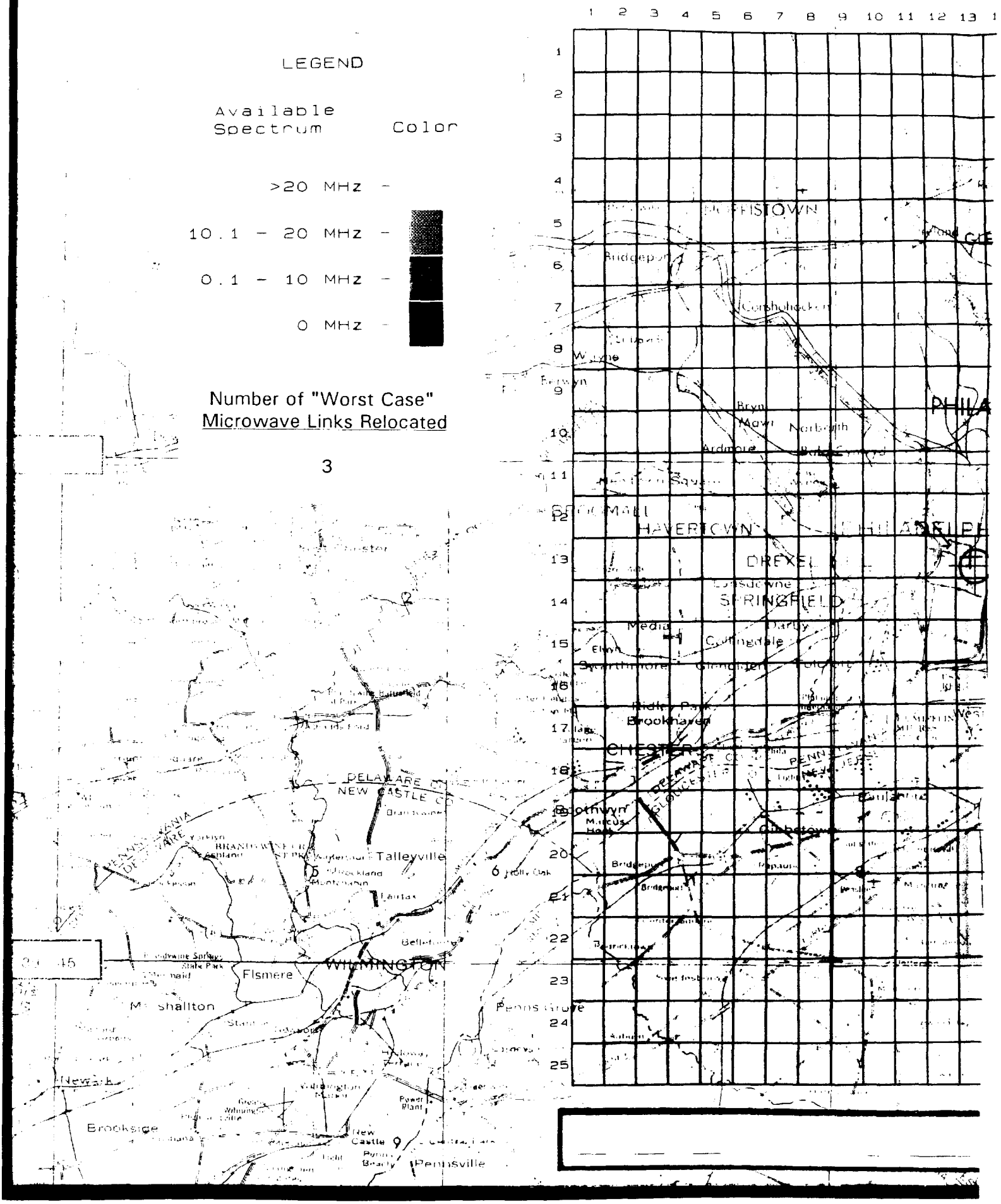
10/29/92

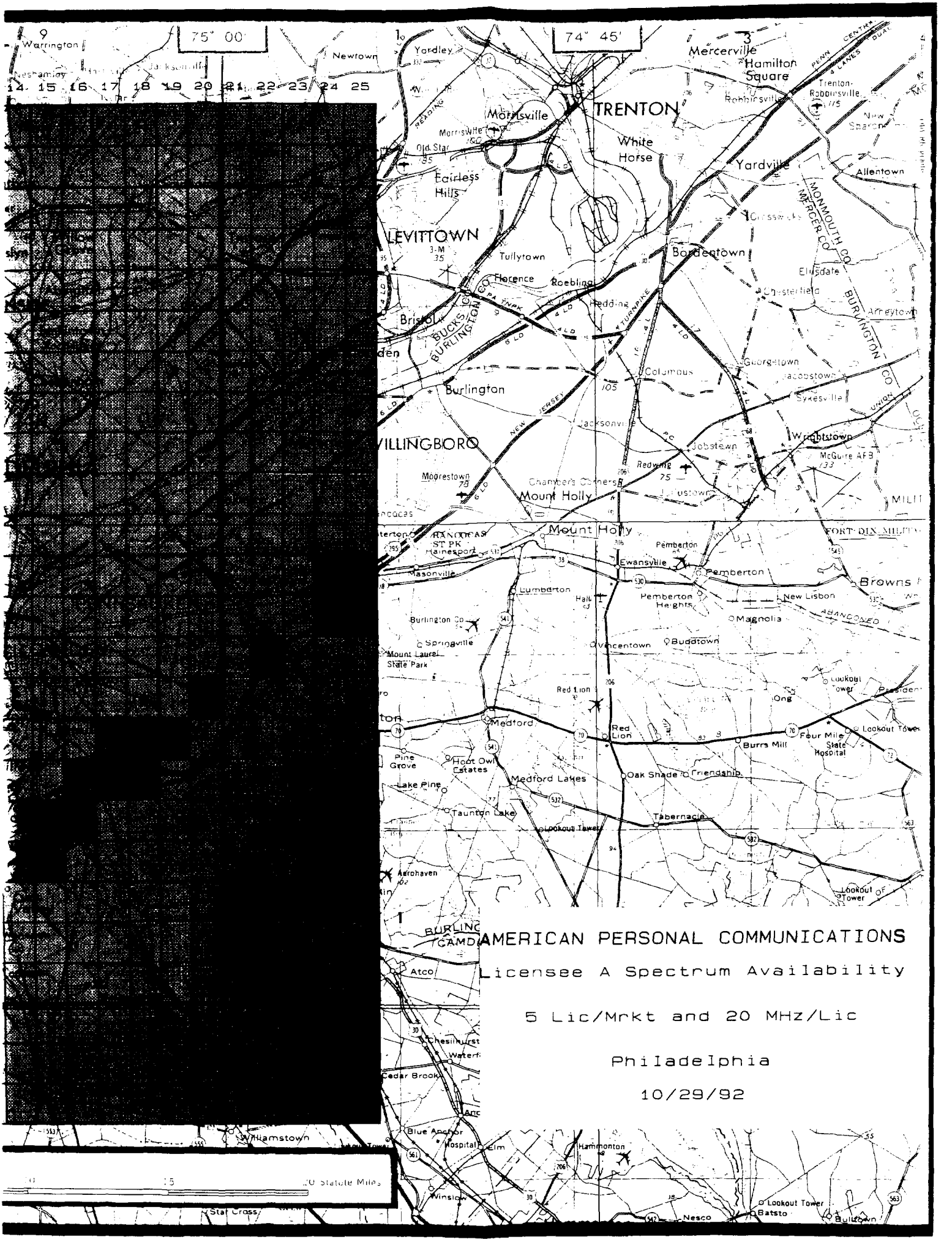
LEGEND

Available Spectrum	Color
>20 MHz	
10.1 - 20 MHz	
0.1 - 10 MHz	
0 MHz	

Number of "Worst Case"
Microwave Links Relocated

3





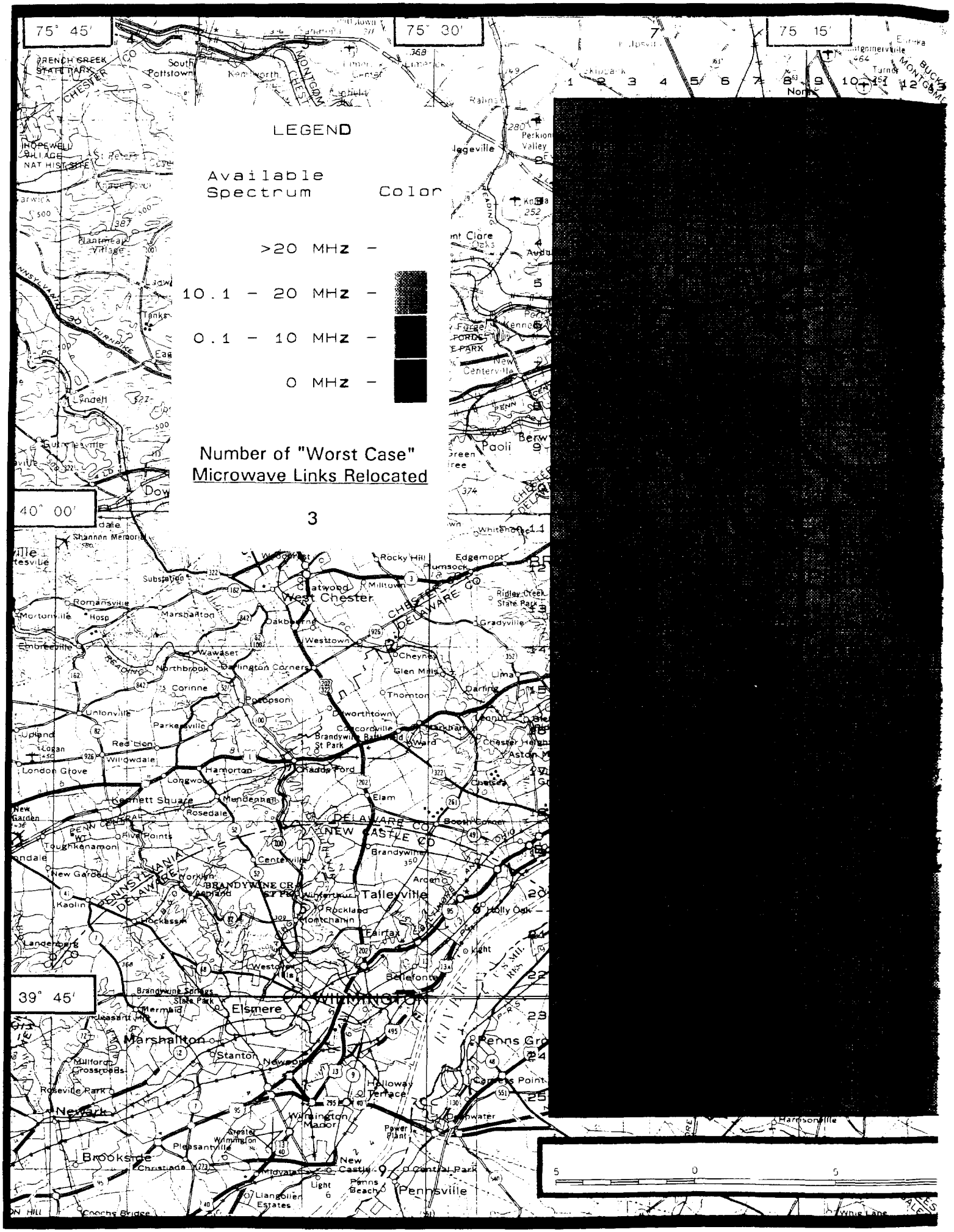
AMERICAN PERSONAL COMMUNICATIONS

Licensee A Spectrum Availability

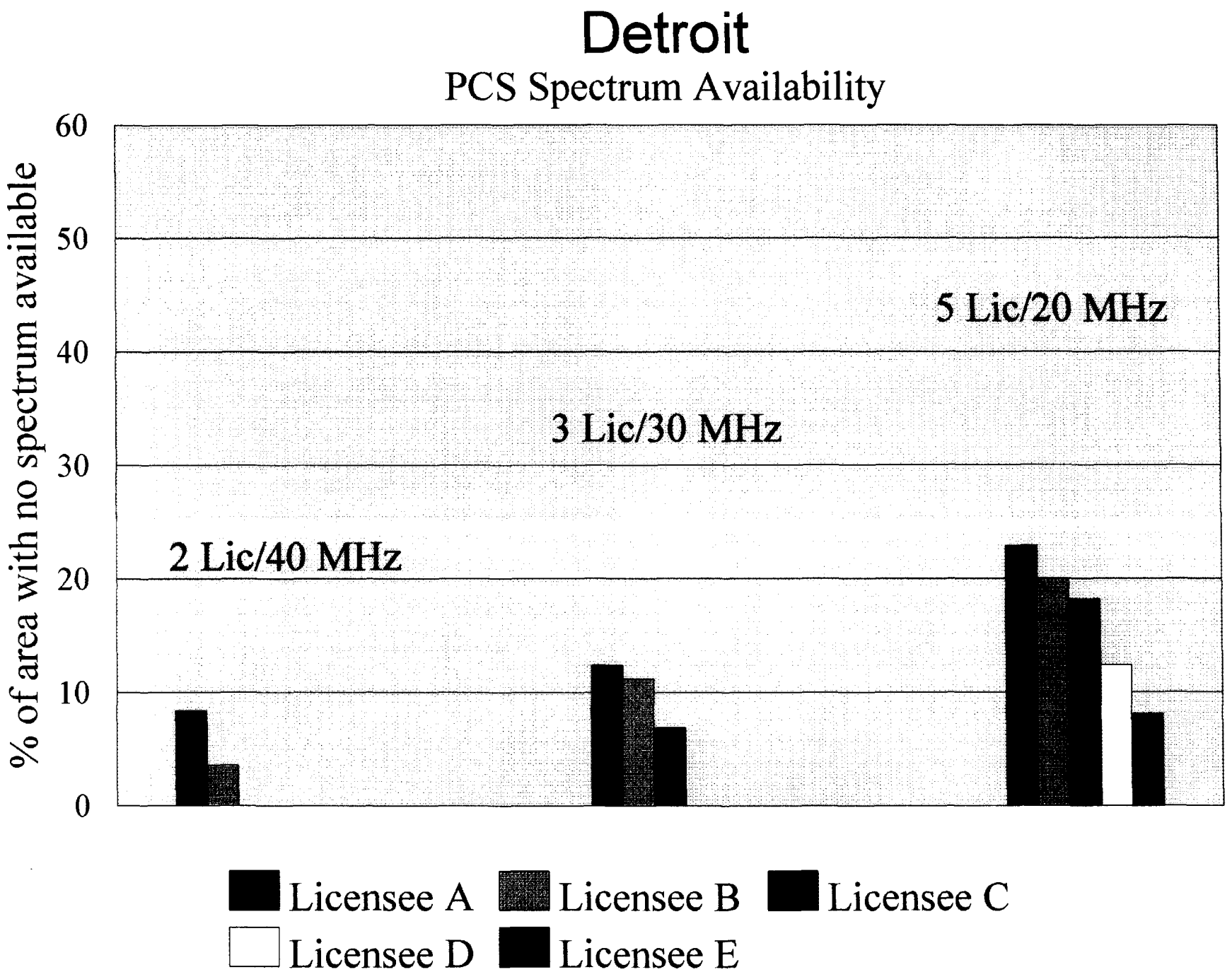
5 Lic/Mrkt and 20 MHz/Lic

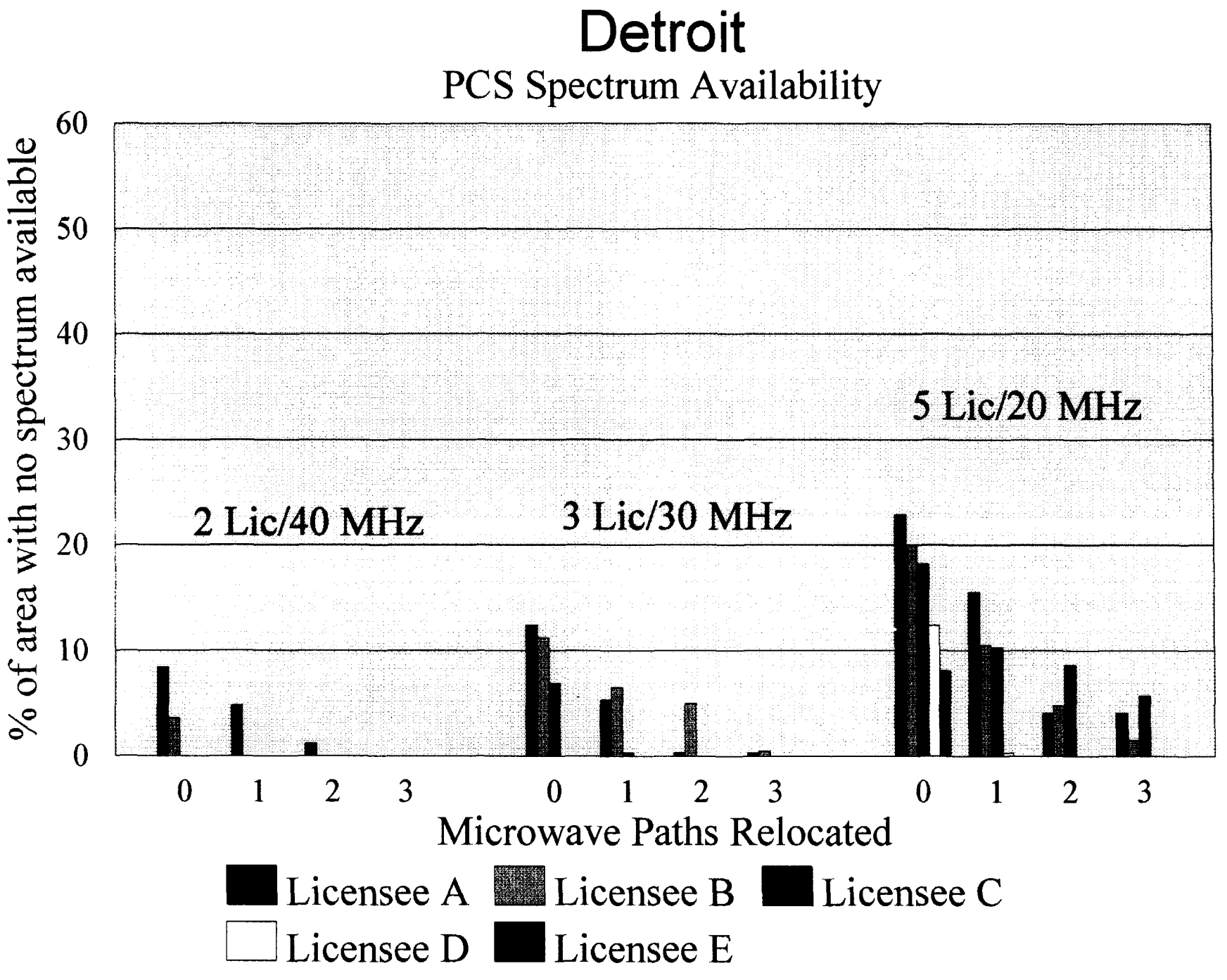
Philadelphia

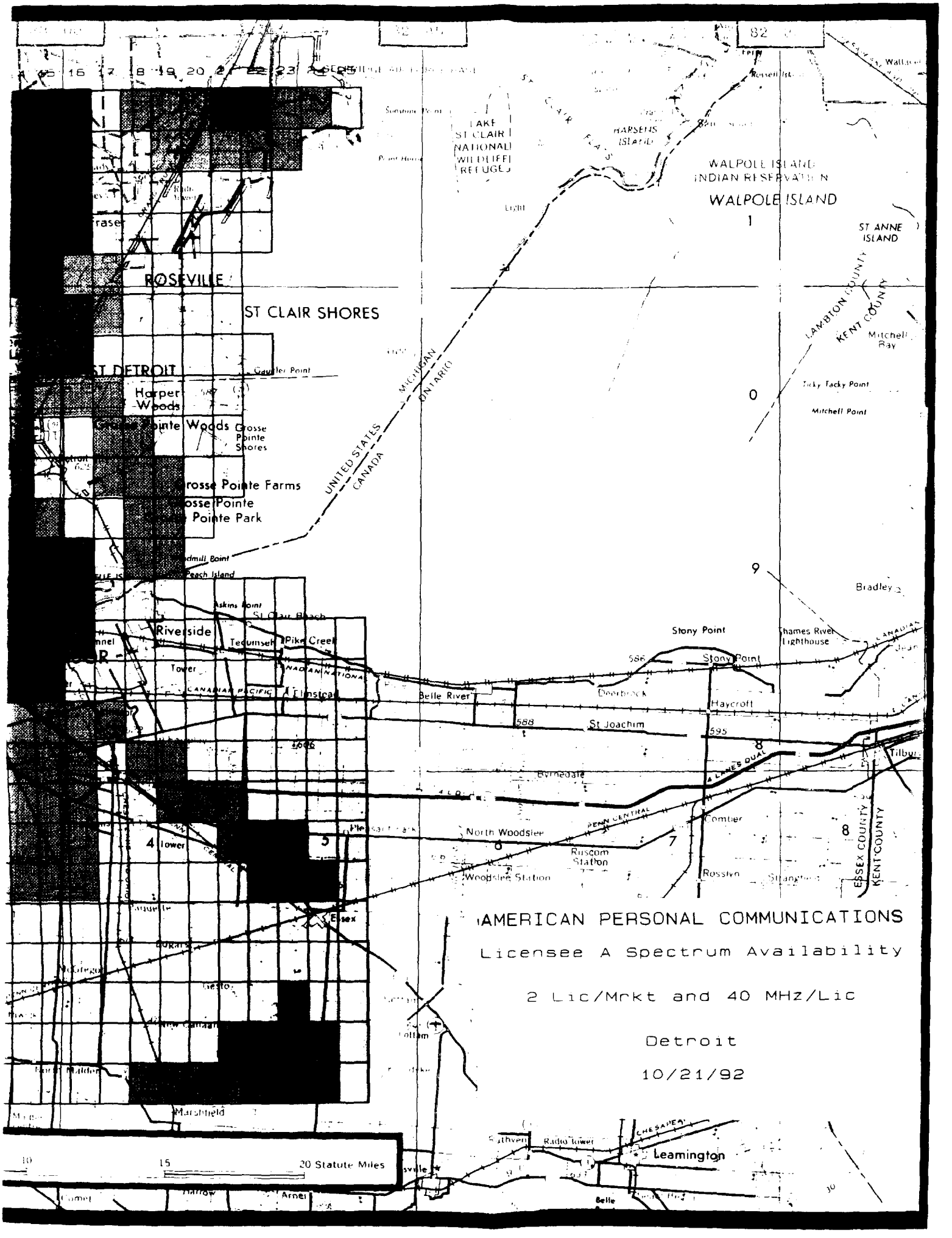
10/29/92


LEGEND
Available Spectrum Color
>20 MHz -
10.1 - 20 MHz -
0.1 - 10 MHz -
0 MHz -
Number of "Worst Case" Microwave Links Relocated
3
75° 45'
75° 30'
75° 15'
40° 00'
39° 45'
West Chester
Wilmington
Elsmere
Marshallton
Newark
Brookside
Pennsville
Talleyville
Brandywine
Kennett Square
Hockessin
Elsmere
Pennsville

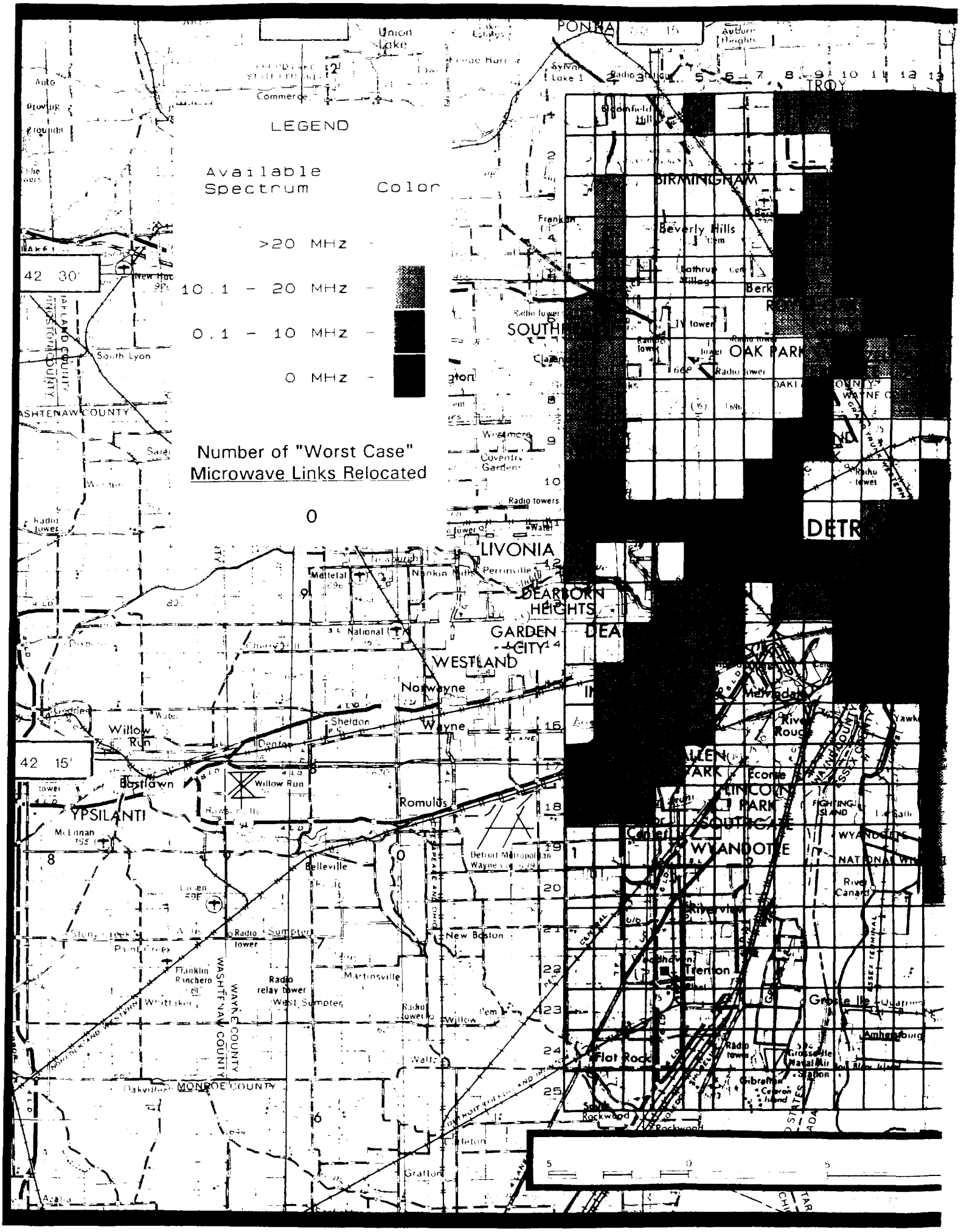
Detroit

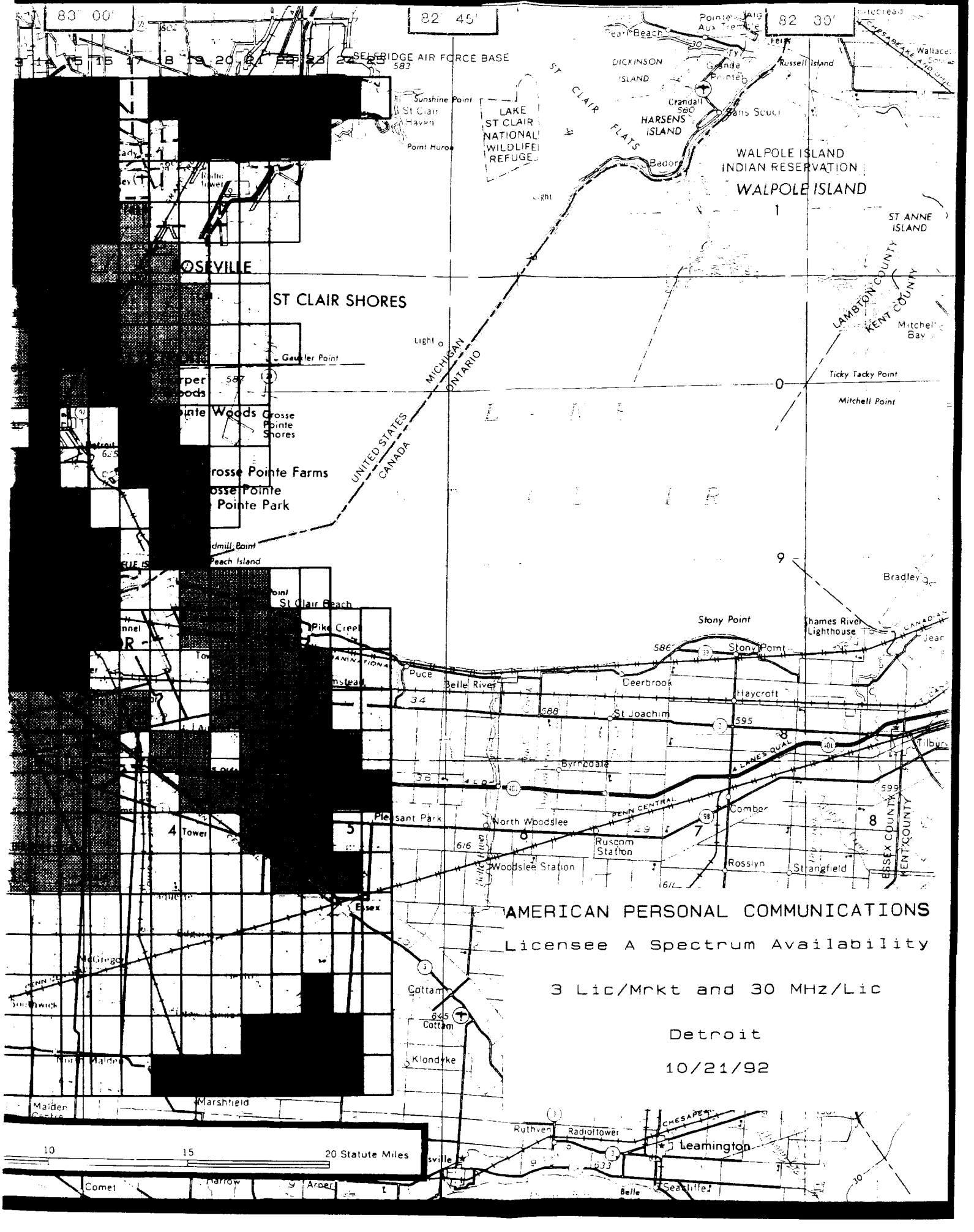

Detroit
PCS Spectrum Availability
% of area with no spectrum available
60
50
40
30
20
10
0
5 Lic/20 MHz
3 Lic/30 MHz
2 Lic/40 MHz
Licensee A
Licensee B
Licensee C
Licensee D
Licensee E

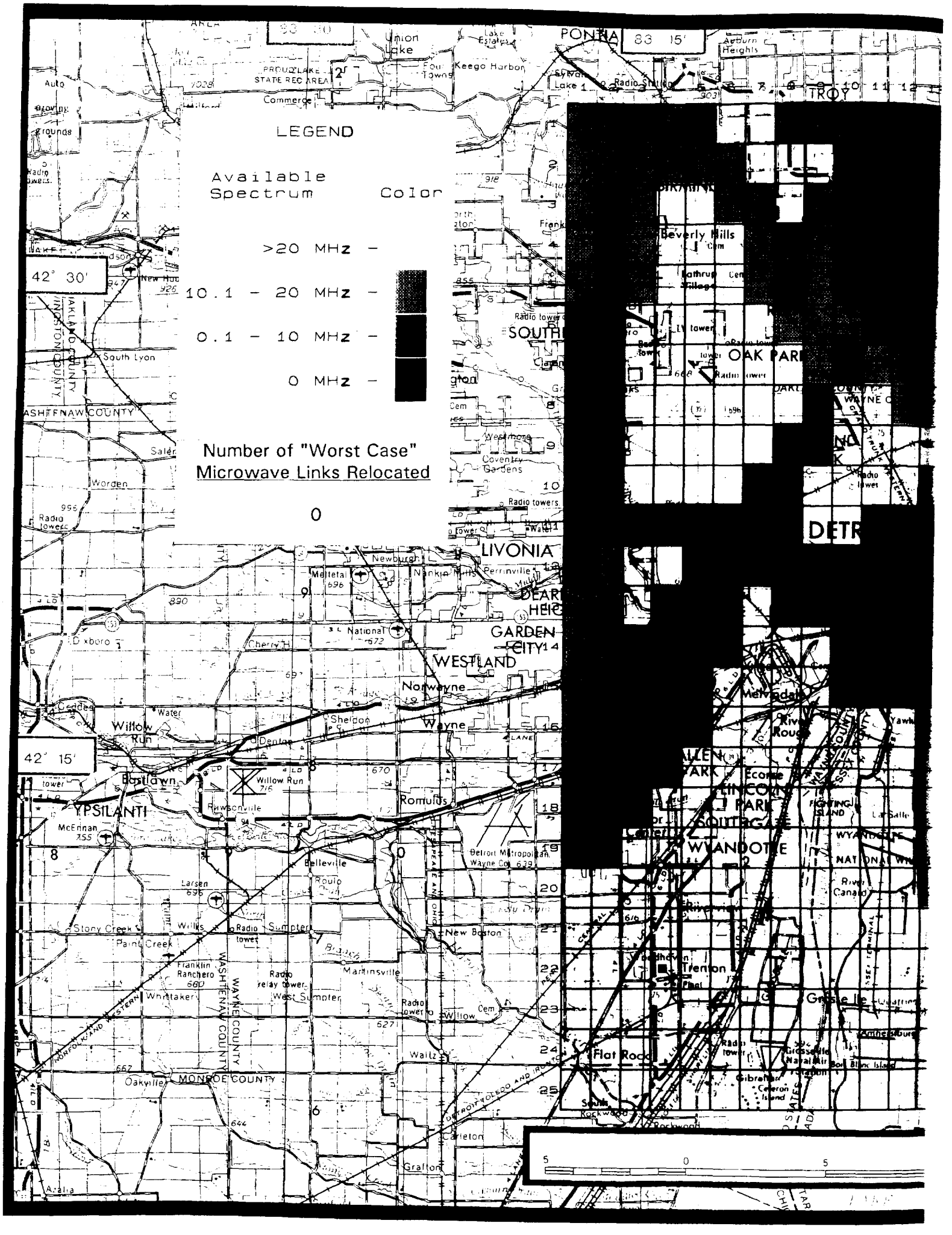

Detroit
PCS Spectrum Availability
% of area with no spectrum available
60
50
40
30
20
10
0
2 Lic/40 MHz
3 Lic/30 MHz
5 Lic/20 MHz
0 1 2 3
0 1 2 3
0 1 2 3
Microwave Paths Relocated
Licensee A
Licensee B
Licensee C
Licensee D
Licensee E

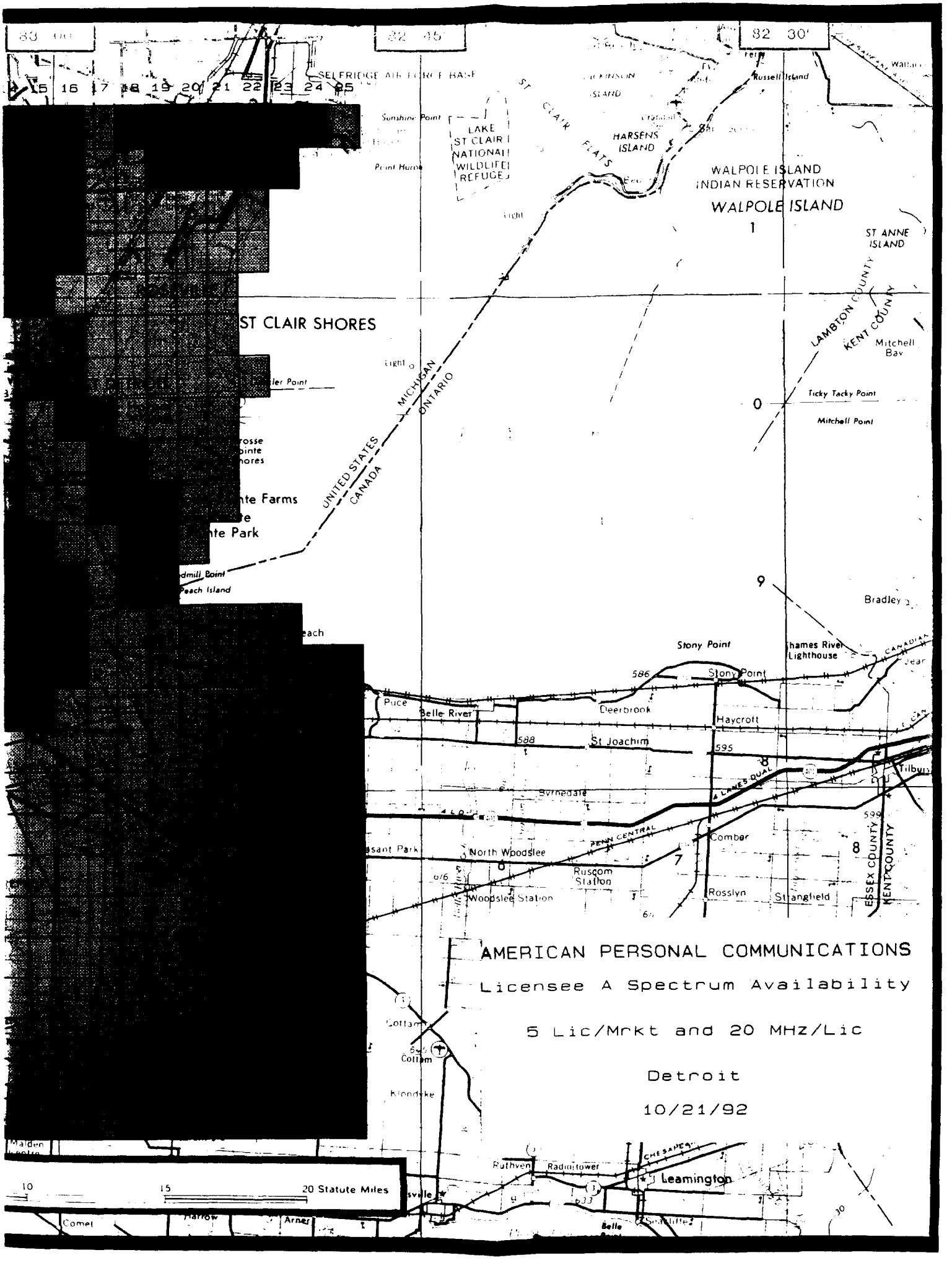


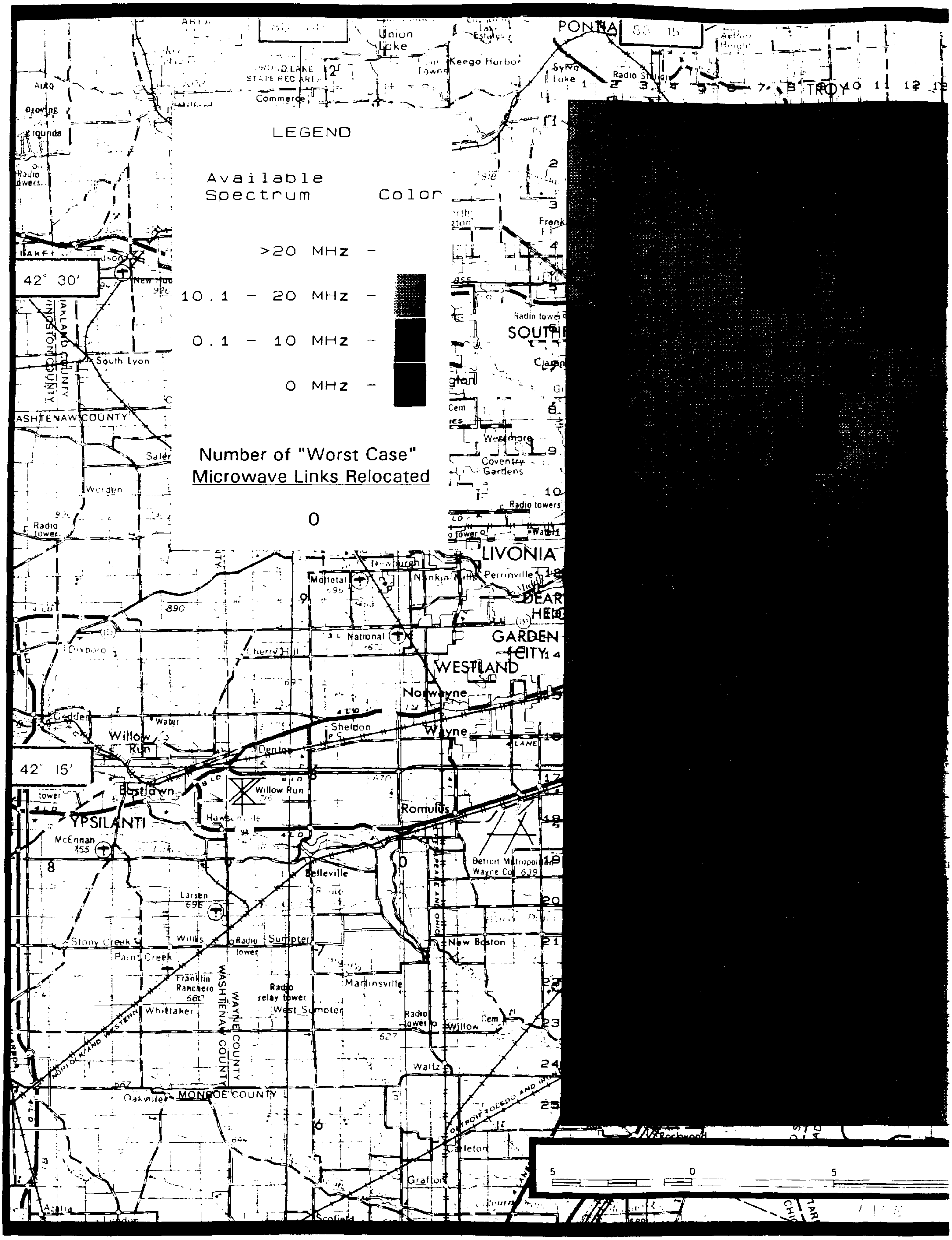
AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
2 Lic/Mrkt and 40 MHz/Lic
Detroit
10/21/92
ROSEVILLE
ST CLAIR SHORES
ST DETROIT
Harper Woods
Grosse Pointe Woods
Grosse Pointe Shores
Grosse Pointe Farms
Grosse Pointe
Pointe Park
Riverside
Tecumseh
Pike Creek
Tower
Elmstead
Belle River
Stony Point
Deerbrook
Haycroft
St Joachim
Byrnedale
North Woodslee
Ruscom Station
Woodslee Station
Comber
Rosslyn
Essex
Leamington
Radio Tower
Marshfield
Bradley
Mitchell Bay
Ticky Tacky Point
Mitchell Point
Thames River Lighthouse
Tilbury
WALPOLE ISLAND INDIAN RESERVATION
WALPOLE ISLAND
ST ANNE ISLAND
LAKE ST CLAIR NATIONAL WILDLIFE REFUGE
HARSENS ISLAND
UNITED STATES
CANADA
MICHIGAN
ONTARIO
LAMBTON COUNTY
KENT COUNTY
ESSEX COUNTY
KENT COUNTY
CANADIAN PACIFIC
CANADIAN NATIONAL
PENN CENTRAL
4 LANES DUAL
10
15
20 Statute Miles

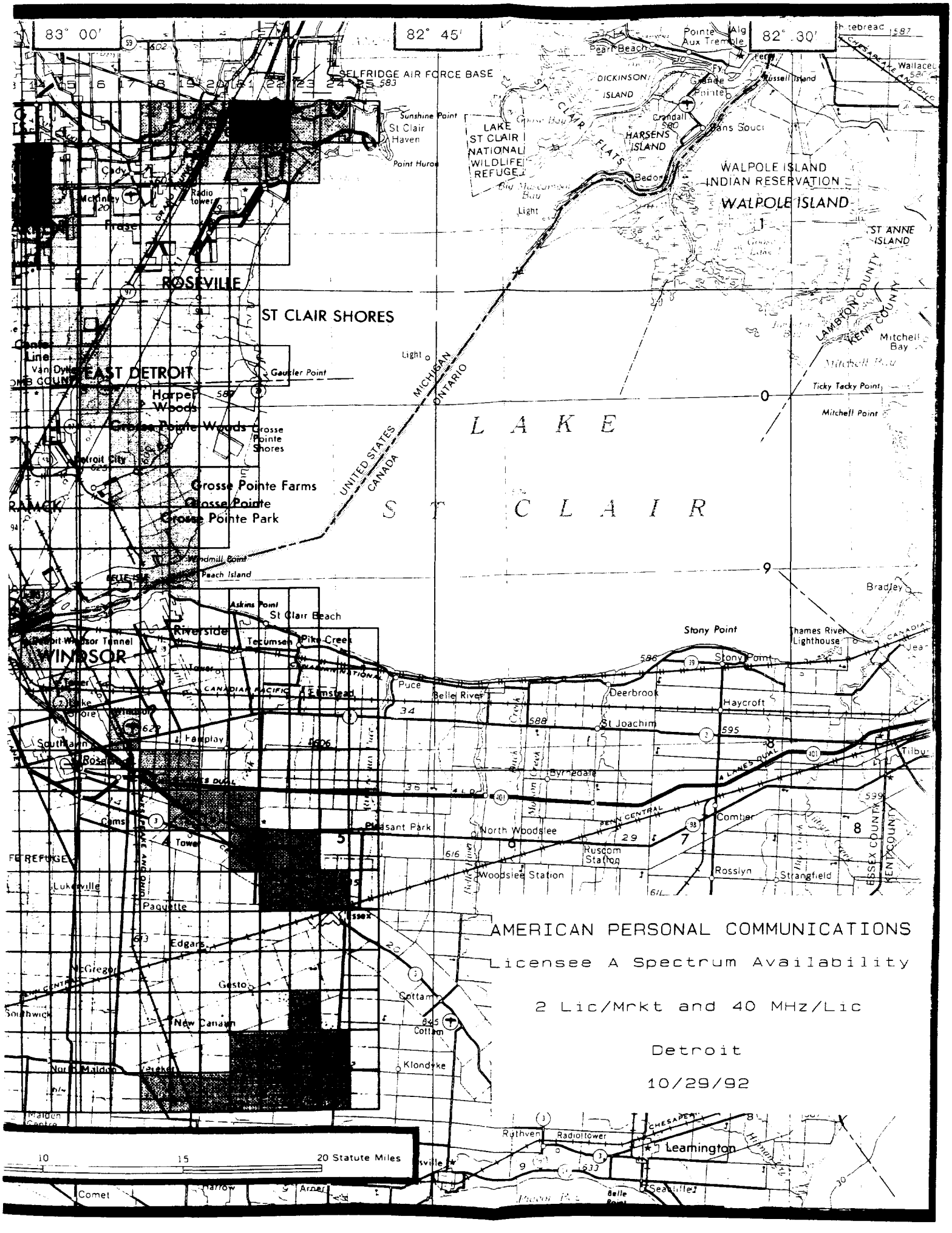

LEGEND
Available Spectrum
Color
>20 MHz
10.1 - 20 MHz
0.1 - 10 MHz
0 MHz
Number of "Worst Case" Microwave Links Relocated
0
PONTIAC
TROY
BIRMINGHAM
Beverly Hills
OAK PARK
SOUTHFIELD
LIVONIA
DEARBORN HEIGHTS
GARDEN CITY
WESTLAND
Norwayne
Wayne
Willow Run
Bastlawn
YPSILANTI
Romulus
Belleville
New Boston
Martinsville
Flat Rock
Trenton
Riverview
WYANDOTTE
LINCOLN PARK
SOUTHGATE
Ecorse
Melvindale
Grosse Ile
Amherstburg
Gibraltar
Rockwood
Carleton
Grafton
Oakville
MONROE COUNTY
WASHTENAW COUNTY
WAYNE COUNTY
Radio relay tower
West Sumpter
Sumpter
Flanklin Ranchero
Whittaker
Waltz
Willow
Sheldon
Denton
Mettetal
National
Perrinville
Nankin Mills
Coventry Gardens
Westmore
Radio towers
Union Lake
Commerce
South Lyon
42 30'
42 15'
5
0
5


AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
3 Lic/Mrkt and 30 MHz/Lic
Detroit
10/21/92
83° 00'
82° 45'
82° 30'
SELFRIDGE AIR FORCE BASE
LAKE ST CLAIR NATIONAL WILDLIFE REFUGE
ST CLAIR FLATS
DICKINSON ISLAND
HARSENS ISLAND
WALPOLE ISLAND INDIAN RESERVATION
WALPOLE ISLAND
ST ANNE ISLAND
ST CLAIR SHORES
Grosse Pointe Shores
Grosse Pointe Farms
Grosse Pointe Park
Peach Island
St Clair Beach
Pike Creek
Puce
Belle River
Deerbrook
Stony Point
Haycroft
St Joachim
Byrnedale
North Woodslee
Ruscom Station
Woodslee Station
Pleasant Park
Essex
Cottam
Klondyke
Marshfield
Ruthven
Radiotower
Leamington
Seacliffe
Comet
Harrow
Arper
Bradley
Thames River Lighthouse
Tilbury
Combor
Rosslyn
Strangfield
Russell Island
Sans Souci
Crandall
Bedore
Sunshine Point
St Clair Haven
Point Huron
Gaukler Point
Ticky Tacky Point
Mitchell Point
Mitchell Bay
LAMBTON COUNTY
KENT COUNTY
ESSEX COUNTY
UNITED STATES
CANADA
MICHIGAN
ONTARIO
PENN CENTRAL
4 LANES QUAL
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
42° 30'
42° 15'
83 30
83 15'
PONTIAC
TROY
Beverly Hills
OAK PARK
SOUTHFIELD
LIVONIA
GARDEN CITY
WESTLAND
Wayne
Romulus
YPSILANTI
Belleville
Sumpter
Flat Rock
Trenton
Grosse Ile
Carleton
Grafton
Oakville
MONROE COUNTY
WASHTENAW COUNTY
WAYNE COUNTY
Detroit Metropolitan Wayne Co
Willow Run
Bridgewater
Franklin Ranchero
Radio relay tower
Radio towers
5
0
5


AMERICAN PERSONAL COMMUNICATIONS
Licensee A Spectrum Availability
5 Lic/Mrkt and 20 MHz/Lic
Detroit
10/21/92
SELFRIDGE AIR FORCE BASE
LAKE ST CLAIR NATIONAL WILDLIFE REFUGE
ST CLAIR FLATS
HARSENS ISLAND
WALPOLE ISLAND INDIAN RESERVATION
WALPOLE ISLAND
ST ANNE ISLAND
ST CLAIR SHORES
LAMBTON COUNTY
KENT COUNTY
Mitchell Bay
Ticky Tacky Point
Mitchell Point
UNITED STATES
CANADA
MICHIGAN
ONTARIO
Peach Island
Bradley
Stony Point
Thames River Lighthouse
Puce
Belle River
Deerbrook
Haycroft
St Joachim
Tilbury
Byrnedale
PENN CENTRAL
North Woodslee
Ruscom Station
Woodslee Station
Comber
Rosslyn
Strangfield
ESSEX COUNTY
KENT COUNTY
Cottam
Klondyke
Ruthven
Radiotower
Leamington
Seacliffe
Comet
Harrow
Arner
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
42° 30'
42° 15'
Union Lake
Keego Harbor
Commerce
Sylvan Lake
TROY
South Lyon
WASHTENAW COUNTY
OAKLAND COUNTY
LIVINGSTON COUNTY
SOUTHFIELD
LIVONIA
GARDEN CITY
WESTLAND
Norwayne
Wayne
Willow Run
Sheldon
Denton
Bestlawn
YPSILANTI
Romulus
Belleville
Detroit Metropolitan Wayne Co
New Boston
Martinsville
West Sumpter
Sumpter
Willis
Stony Creek
Paint Creek
Whittaker
WASHTENAW COUNTY
WAYNE COUNTY
MONROE COUNTY
Oakville
Carleton
Grafton
Scofield
Westmore
Coventry Gardens
Perrinville
Newburgh
Nankin Mills
Radio towers
5
0
5



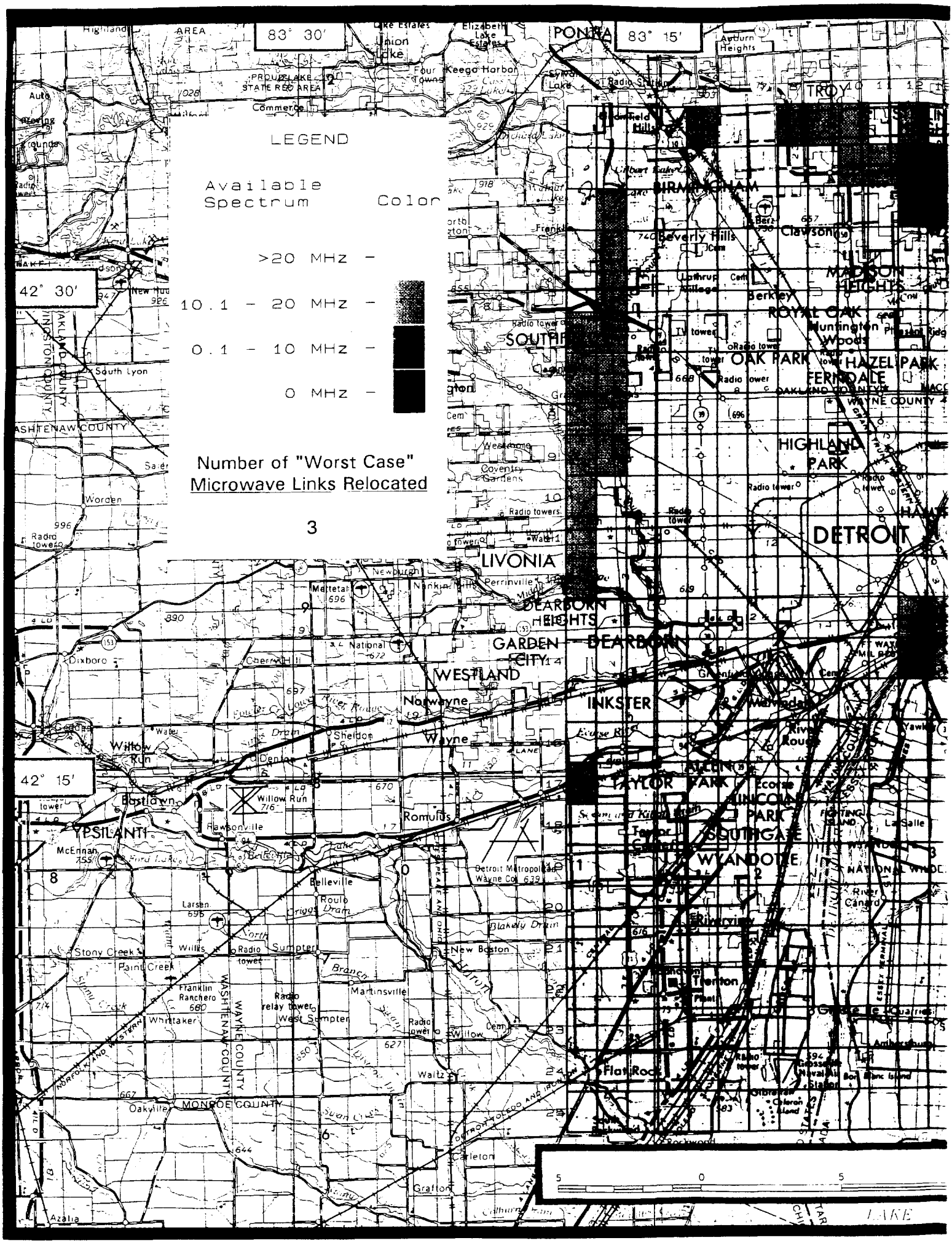
AMERICAN PERSONAL COMMUNICATIONS

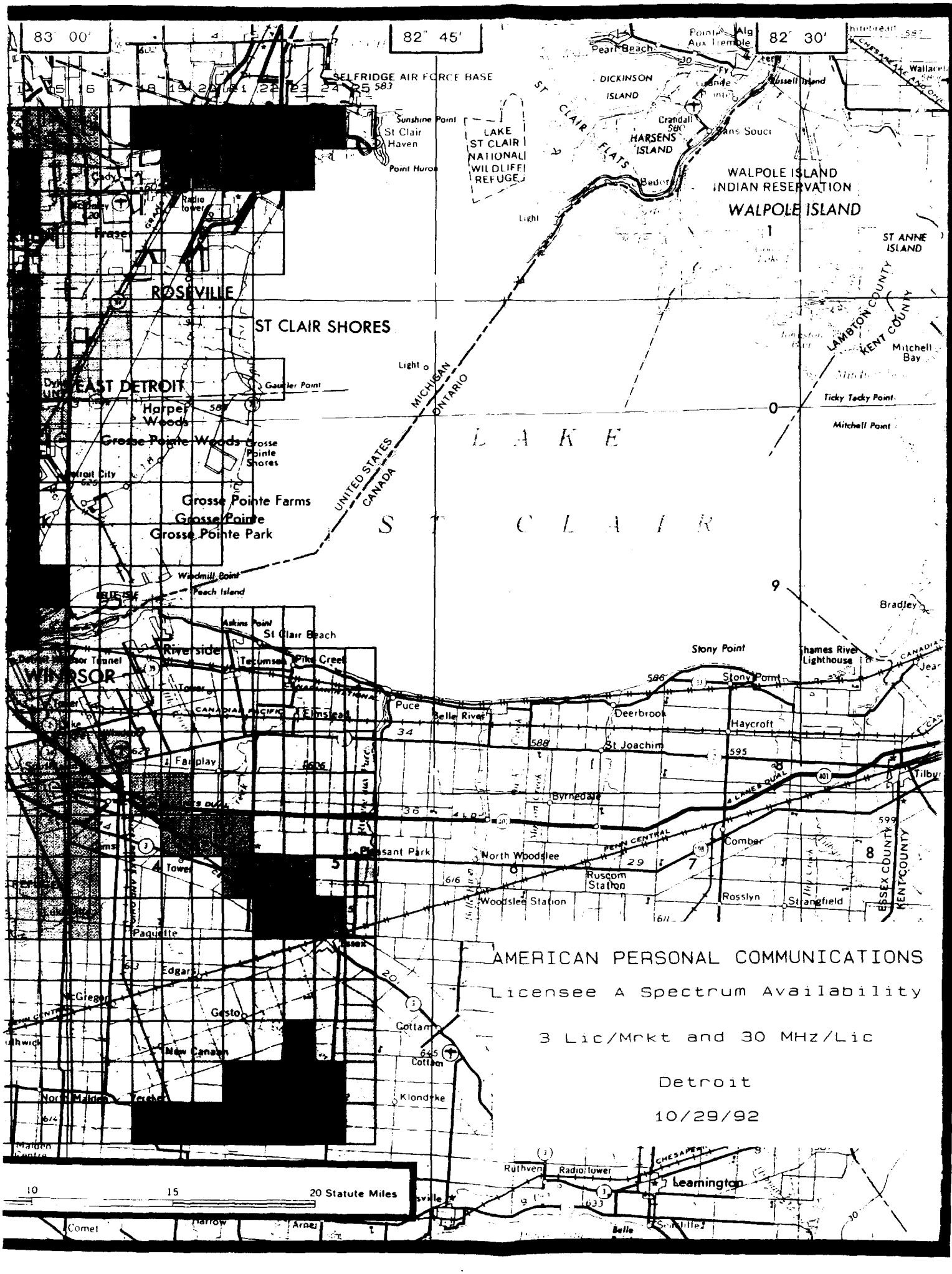
Licensee A Spectrum Availability

2 Lic/Mrkt and 40 MHz/Lic

Detroit

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
83° 30'
83° 15'
42° 30'
42° 15'
PONTIAC
TROY
BIRMINGHAM
Beverly Hills
Clawson
MADISON HEIGHTS
ROYAL OAK
Huntington Woods
OAK PARK
HAZEL PARK
FERNDALE
HIGHLAND PARK
DETROIT
LIVONIA
DEARBORN HEIGHTS
GARDEN CITY
DEARBORN
WESTLAND
INKSTER
Norwayne
Wayne
Willow Run
Bastlawn
YPSILANTI
Romulus
TAYLOR
ALLEN PARK
LINCOLN PARK
SOUTHGATE
WYANDOTTE
Riverview
Trenton
Flat Rock
Belleville
Sumpter
New Boston
Martinsville
West Sumpter
Stony Creek
Paint Creek
Franklin Ranchero
Whittaker
Oakville
MONROE COUNTY
WASHTENAW COUNTY
WAYNE COUNTY
Carleton
Grafton
Azalia
Dixboro
Worden
South Lyon
Keego Harbor
Commerce
Union Lake
Lake Estates
Elizabeth Lake Estates
Auburn Heights
Radio tower
Radio towers
Detroit Metropolitan Wayne Co.
5 0 5



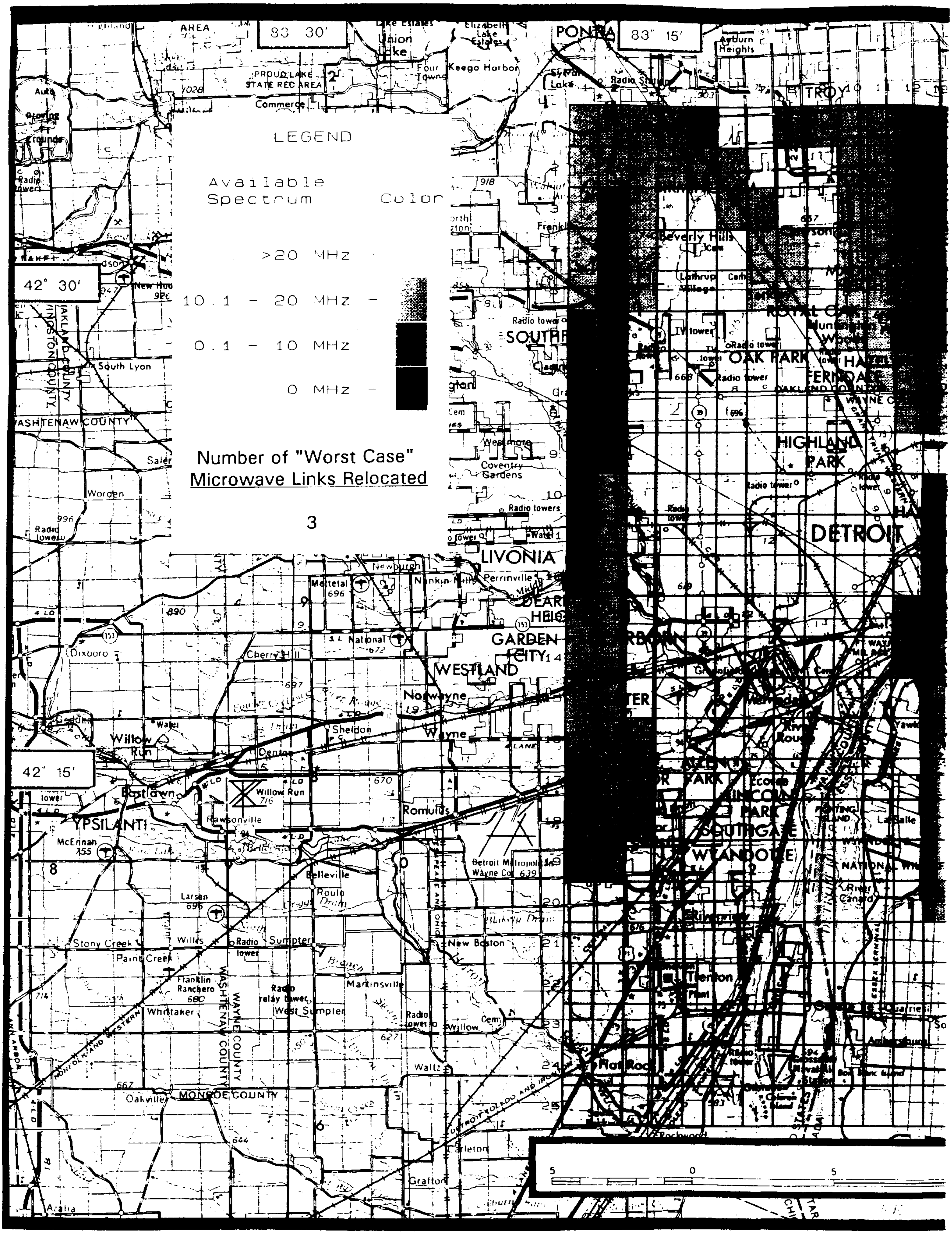
AMERICAN PERSONAL COMMUNICATIONS

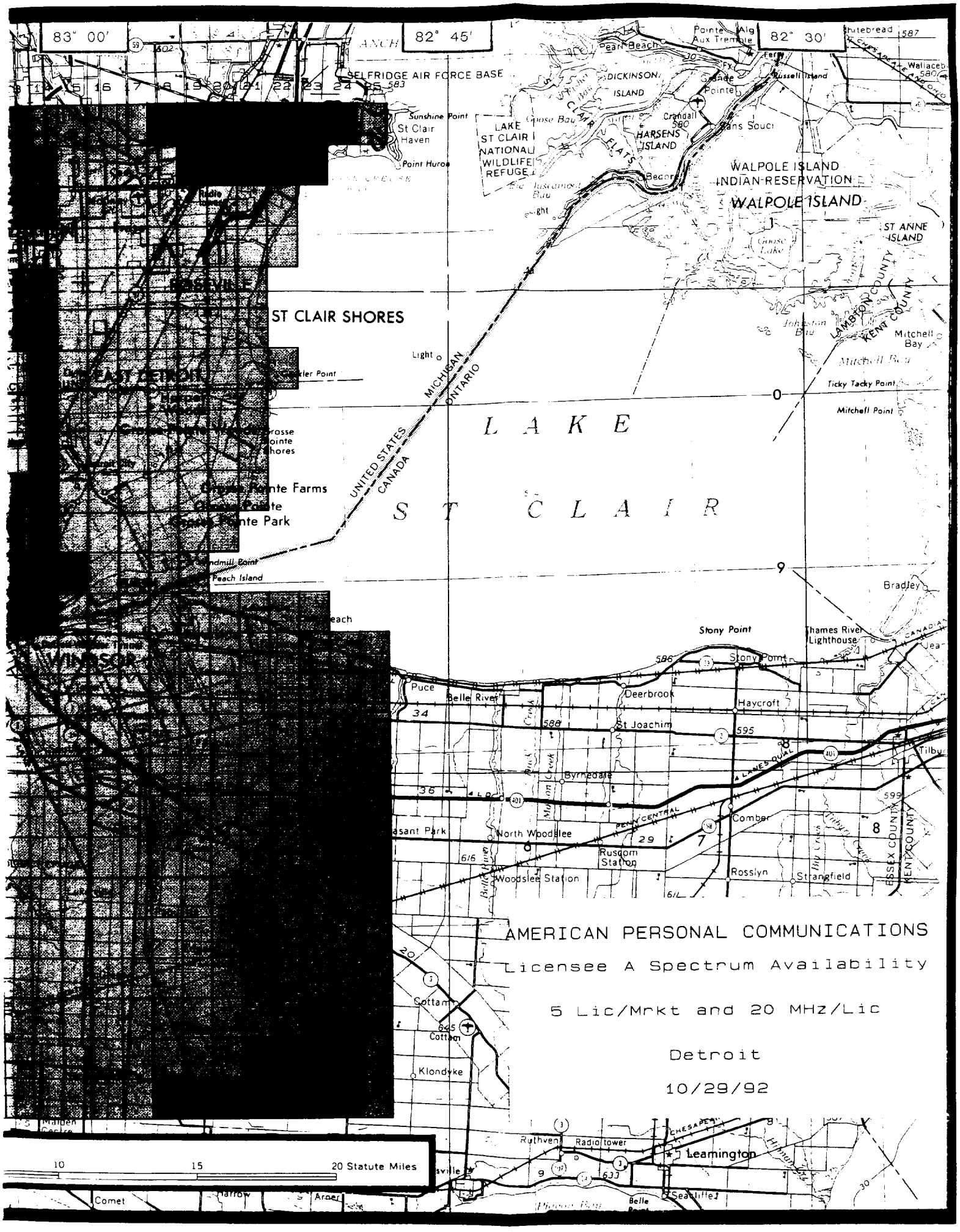
Licensee A Spectrum Availability

3 Lic/Mrkt and 30 MHz/Lic

Detroit

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
83° 30'
83° 15'
42° 30'
42° 15'
Union Lake
Keego Harbor
PROUD LAKE STATE REC AREA
Commerce
TROY
Beverly Hills
Lathrup Village
ROYAL OAK
SOUTHFIELD
OAK PARK
FERNDALE
OAKLAND COUNTY
WAYNE COUNTY
HIGHLAND PARK
DETROIT
LIVONIA
GARDEN CITY
WESTLAND
Norwayne
Wayne
Romulus
Cherry Hill
Dixboro
Sheldon
Denton
Willow Run
YPSILANTI
Rawsonville
Belleville
Sumpter
New Boston
Willow
Martinsville
Whittaker
Stony Creek
Paint Creek
South Lyon
WASHTENAW COUNTY
WAYNE COUNTY
MONROE COUNTY
Oakville
Carleton
Grafton
Worden
Coventry Gardens
Westmore
Perrinville
Newburgh
Nankin Mills
Detroit Metropolitan Wayne Co
LINCOLN PARK
SOUTHGATE
WYANDOTTE
Trenton
Flat Rock
Rockwood
Riverview
La Salle
Amherstburg
Waltz
5
0
5



AMERICAN PERSONAL COMMUNICATIONS

Licensee A Spectrum Availability

5 Lic/Mrkt and 20 MHz/Lic

Detroit

10/29/92