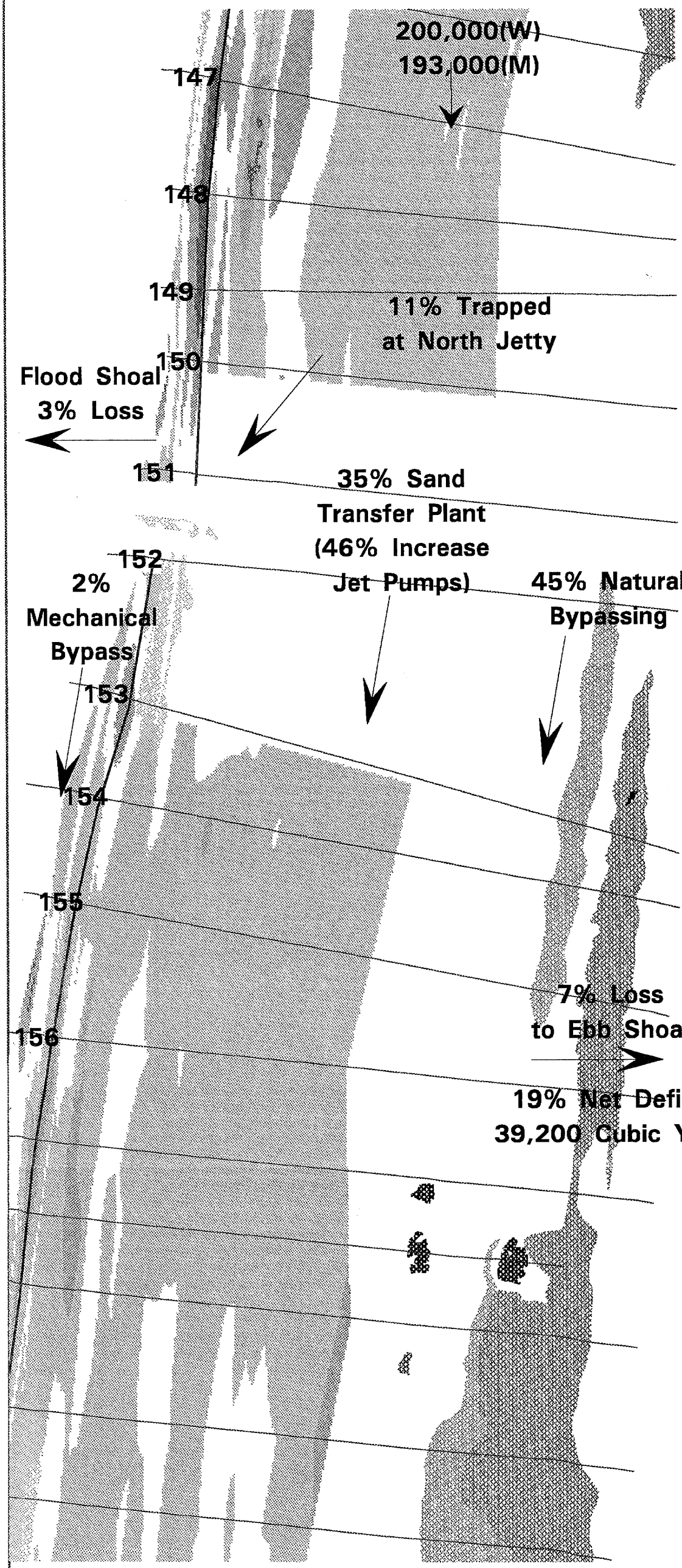


Palm Beach County
1974-1990
S. Lake Worth Inlet

W = Workshop

M = Model

Elevation Change (Feet)

- -9+
- -6
- -3
- 0
- 3
- 6
- 9+

- Mean High Water
- Beach Profile Lines

Hardbottom Classification

- Patch Low Relief
- Patch High Relief
- Artificial Wreck
- Artificial Rubble
- Debris Target
- Low Relief
- High Relief
- Unknown
- Hardbottom Identified by Aerials

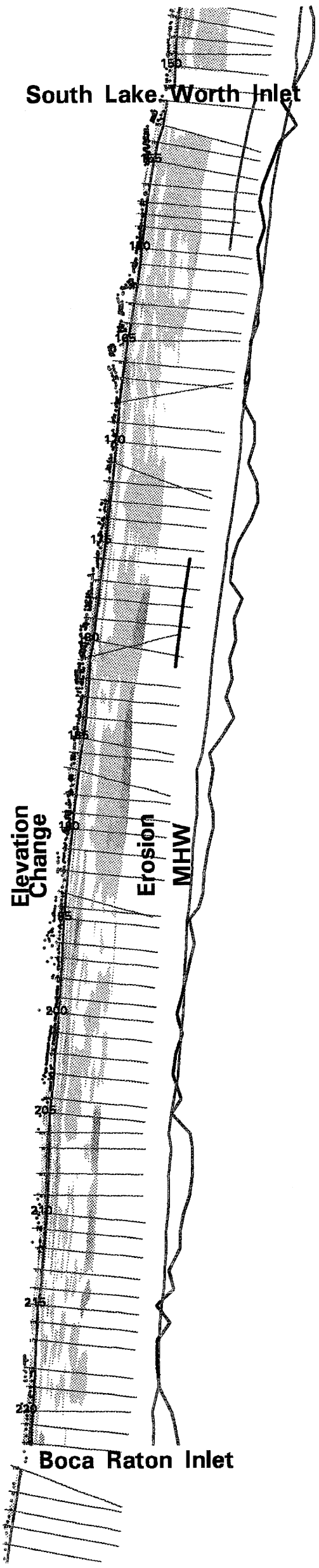
Feet
500 0 500 1000 1500

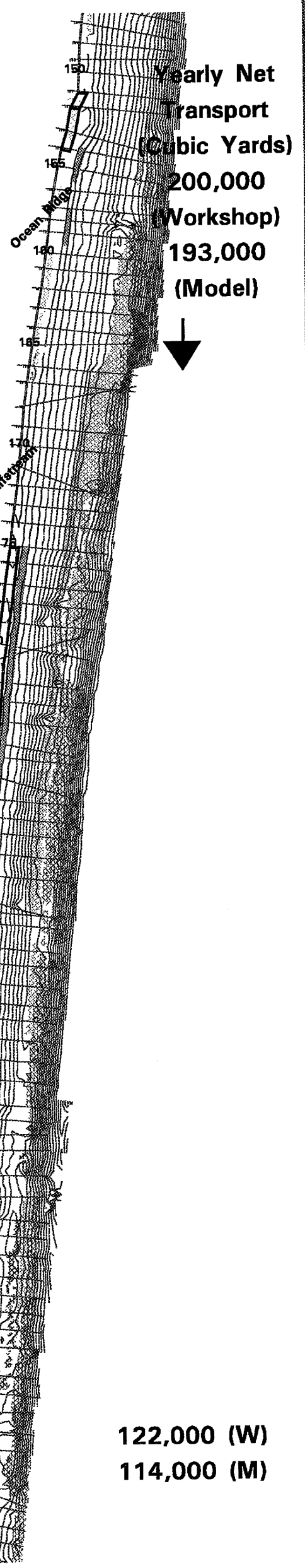
N
W E
S

Plate 4. South Lake Worth Inlet Sediment Budget

April 1996

Palm Beach County
1974-1990
S. Lake Worth Inlet to Boca Raton Inlet





Yearly Net Transport (Cubic Yards)

200,000 (Workshop)

193,000 (Model)

122,000 (W)

114,000 (M)

N
W E
S

Elevation Change (Feet)
- -9+
- -6
- -3
- 0
- 3
- 6
- 9+

Erosion Problem Areas (DEP Code)
- I/III
- I/C
- I/NC
- II/C
- III/C

- Beach Profile Lines
- Mean High Water

MHW Change (Not to Scale)
- Erosion
- Accretion

Structure Damage in 100 Year Storm
- Destroyed
- Not Destroyed

Hardbottom Classification
- Patch Low Relief
- Patch High Relief
- Artificial Wreck
- Artificial Rubble
- Debris Target
- Low Relief
- High Relief
- Unknown
- Hardbottom Identified by Aerials

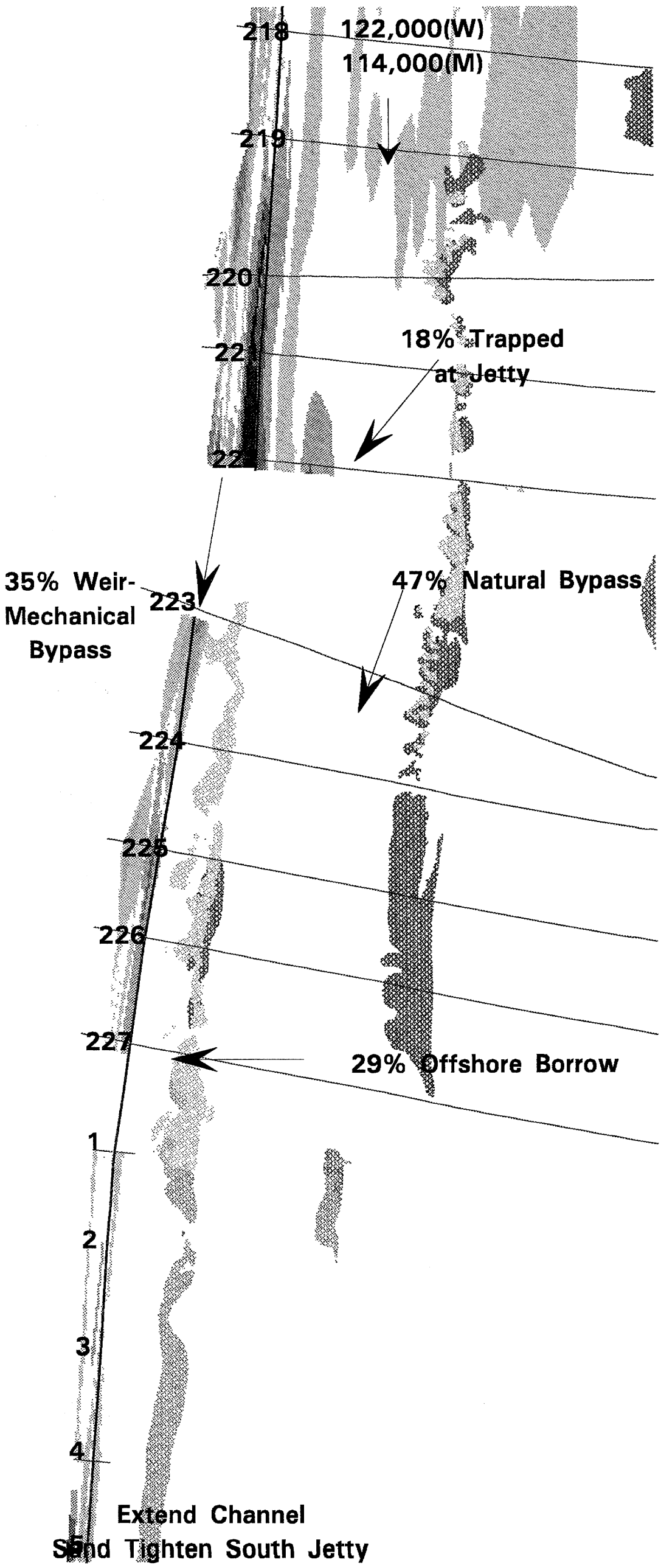
Proposed Projects
- Nearshore Berm
- Beach Restoration

Bathymetry Contours
- -5 to -25 Feet
- -30 to -170 Feet

Feet
2000 0 2000 4000 6000 8000

Plate 5. S. Lake Worth - Boca Raton Reach Problem Identification & Plan Formulation

April 1996



Palm Beach County
1974-1990
Boca Raton Inlet

W = Workshop

M = Model

Elevation Change (Feet)

- -9 +
- -6
- -3
- 0
- 3
- 6
- 9 +

- Mean High Water
- Beach Profile Lines

Hardbottom Classification

- Patch Low Relief
- Patch High Relief
- Artificial Wreck
- Artificial Rubble
- Debris Target
- Low Relief
- High Relief
- Unknown
- Hardbottom Identified by Aerials

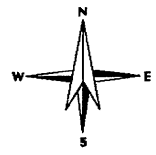
Feet
500 0 500 1000 1500

N
W E
S

Plate 6. Boca Raton Inlet Sediment Budget

April 1996

Palm Beach County
Broward County
1979-1986
Boca Raton Inlet
to Hillsboro Inlet



Elevation Change (Feet)

- -9+
- -6
- -3
- 0
- 3
- 6
- 9+

Erosion Problem Areas (DEP Code)

- I/III
- I/C
- I/NC
- II/C
- III/C

- Beach Profile Lines
- Mean High Water

MHW Change (Not to Scale)

- Erosion
- Accretion

Structure Damage in 100 Year Storm

- Destroyed
- Not Destroyed

Hardbottom Classification

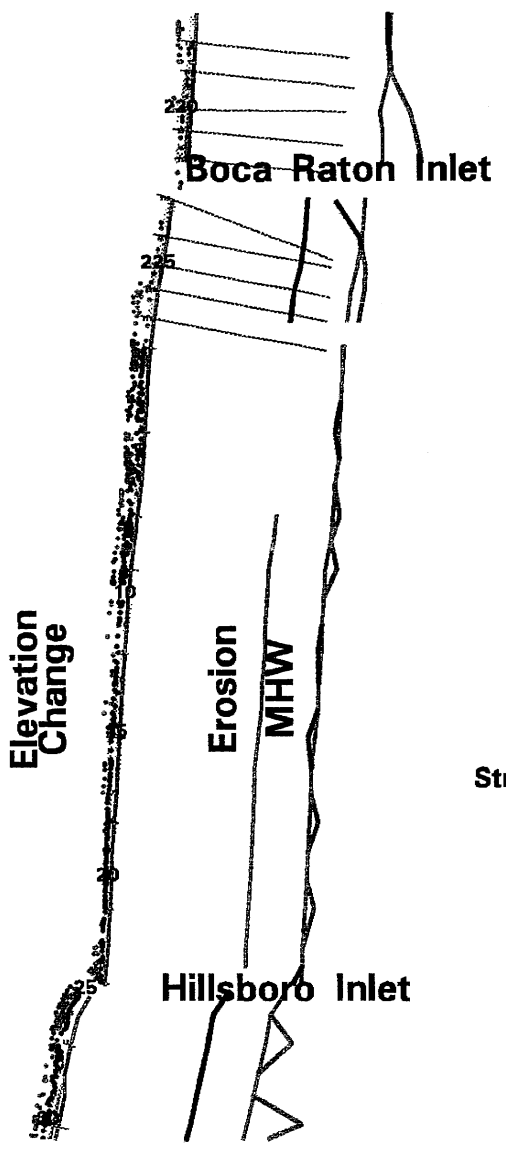
- Patch Low Relief
- Patch High Relief
- Artificial Wreck
- Artificial Rubble
- Debris Target
- Low Relief
- High Relief
- Unknown
- Hardbottom Identified by Aerials

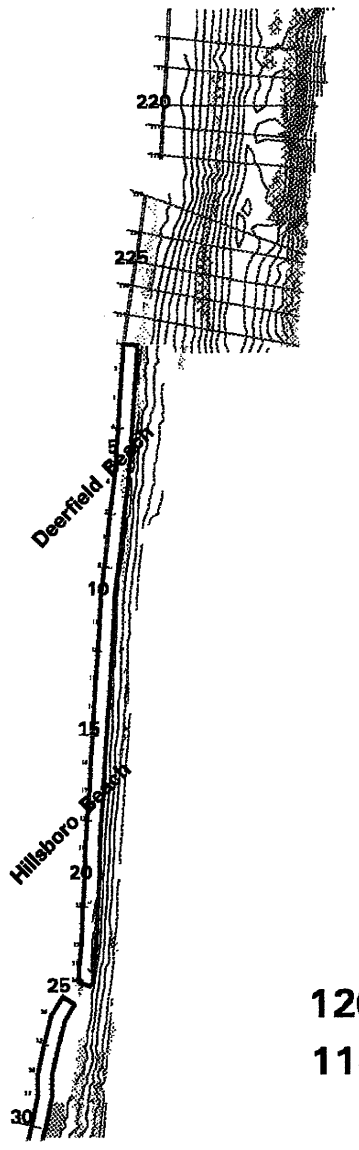
Proposed Projects

- Nearshore Berm
- Beach Restoration

Bathymetry Contours

- -5 to -25 Feet
- -30 to -170 Feet





Yearly Net Transport (Cubic Yards)

122,000 (Workshop)

114,000 (Model)

120,000 (W)

118,000 (M)

Feet

2000 0 2000 4000 6000 8000

Plate 7. Boca Raton - Hillsboro Reach Problem Identification & Plan Formulation

April 1996