REACH 4

REACH 3

REACH 2

REACH 1

NORTH OCEAN AVE

MEDFORD RD (RTE 112)

SUNRISE HIGHWAY (RTE 27)

MONTAUK HIGHWAY (RTE 27A)

PATCHOGUE BAY

344
341343
7903
7926
84
85
69
694
698
680
356
1116
72
73
34
5
601
26
15

N
W
E
S

Legend

- WATERSHED BOUNDARY
- FRESHWATER WETLANDS
- WATER BOUNDARY
- SURFACE DRAINAGE BOUNDARY
- OUTFALLS
- REACHES

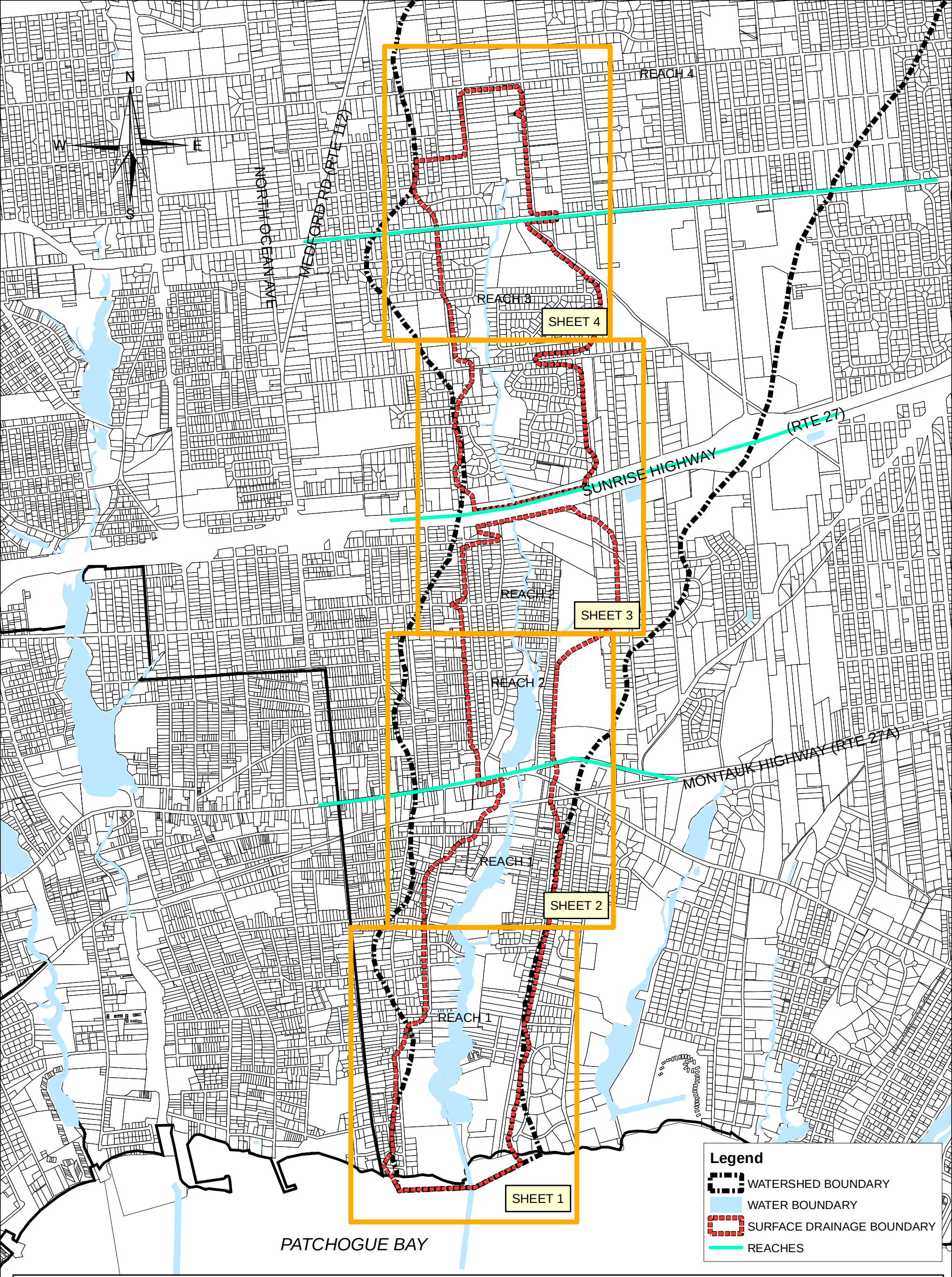
SOURCE:
WATERSHED BOUNDARY : NYSDOS DCR

0 500 1,000 2,000 3,000 4,000 Feet

0 0.125 0.25 0.5 0.75 1 Miles

Cashin Associates

FIGURE 2.4.1
SWAN RIVER
WATERSHED MANAGEMENT PLAN
OUTFALL LOCATION MAP



SOURCE:
WATERSHED BOUNDARY: NYSDOS DCR

0 550 1,100 2,200 3,300 4,400 Feet

0 0.125 0.25 0.5 0.75 1 Miles

Cashin Associates

FIGURE 2.4.3
SWAN RIVER
WATERSHED MANAGEMENT PLAN
DRAINAGE STRUCTURE
KEY MAP

REACH 1

SHEET 2

SHEET 1

PIPE CONNECTION UNDETERMINED

PATCHOGUE BAY

TERRELL
CARMAN
WOODBURN
CONKLIN AV
BAY AV
GROVE AV
SWAN RIVER
ROBINSON AV
MARVIN
ELIZABETH
POTTER
PEARL ST
THORBURN AV
NEWINS
PARK
LINDA CT
LINDA LN
BREEZE
ROLTON DR
SPRUCE
ELM
WORCESTER CT
PINE NECK AV
CHAPEL PL
MYRTLE LN
ROE AV
REGENT S
DOGWOOD LN
GLENWOOD
CHAPEL
DIPPER POINT RD
SKYHAVEN DR
MOOR LN
MERCEDES CT
REZSO CT
MARINA LN
GALE CT
SMITH
SMITH ST
DEWITT AV
CLIFTON DR
BAYVIEW RD
S BREEZE DR

N
W
E
S

Legend

- WATERSHED BOUNDARY
- SURFACE DRAINAGE BOUNDARY
- WATER BOUNDARY
- RECHARGE BASIN
- ROAD RUNOFF
- CATCH BASIN
- OUTFALL
- LEACHING POOL
- MANHOLE
- HIGH POINTS
- PIPE
- SWALE

Cashin Associates

SOURCE:
WATERSHED BOUNDARY: NYSDOS DCR

0 250 500 1,000 1,500 2,000 Feet

0 0.05 0.1 0.2 0.3 0.4 Miles

FIGURE 2.4.3.1
SWAN RIVER
WATERSHED MANAGEMENT PLAN
DRAINAGE STRUCTURES 1

SHEET 3

REACH 2

REACH 1

SHEET 2

SHEET 1

N

S

E

W

Legend

- WATERSHED BOUNDARY
- SURFACE DRAINAGE BOUNDARY
- WATER BOUNDARY
- ROAD RUNOFF
- RECHARGE BASIN
- CATCH BASIN
- OUTFALLS
- LEACHING POOL
- MANHOLE
- HIGH POINTS
- PIPE
- SWALE

SOURCE:
WATERSHED BOUNDARY: NYSDOS DCR

Cashin Associates

0 250 500 1,000 1,500 2,000 Feet

0 0.05 0.1 0.2 0.3 0.4 Miles

FIGURE 2.4.3.2
SWAN RIVER
WATERSHED MANAGEMENT PLAN
DRAINAGE STRUCTURES 2

SHEET 4

SHEET 3

SHEET 2

REACH 3

REACH 2

N

S

E

W

PATRICIA LN

TREMONT AV

RICHMOND AV

LUCY CT

NICOLE CT

CIRCLE DR

EDWIN AV

FLORENCE CT

VALLEY RD

ROSLYN CT

CIRCLE DR E

PIPE CONNECTION UNDETERMINED

BARTON AV

CULVERT

HENRY PL

RICHARD CT

SHARON DR

PATRICIA RD

DEBBIE LN

HALLOCK RD

CAYUGA RD

CHERYL LN

HEWLETT AV

RUSSELL LN

WHIPPOORWILL

ARTHUR AV

SWAN VIEW DR

PHYLLIS DR

GALE LN

SWAN CT

YALE RD

GINA CT

WASHINGTON AV

SR 27

SUNRISE HWY

HARRISON AV

FRANKLIN

SCHOENFELD BLVD

KATHRYN

ETHEL ST

ALICE

BERTHA

ROBERTA

FLORENCE

CELIA

LAKE DR

SWAN LAKE DR

WASHINGTON PL

VERNON ST

VERA PL

ROSE AV

RUPOLO CT

CLARK

CENTER

DAISY

AVERY AV

Legend

- WATERSHED BOUNDARY
- SURFACE DRAINAGE BOUNDARY
- WATER BOUNDARY
- RECHARGE BASIN
- ROAD RUNOFF
- CATCH BASIN
- OUTFALLS
- LEACHING POOL
- MANHOLE
- HIGH POINTS
- PIPE
- SWALE

SOURCE:
WATERSHED BOUNDARY: NYSDOS DCR

Cashin Associates

0 250 500 1,000 1,500 2,000 Feet

0 0.05 0.1 0.2 0.3 0.4 Miles

FIGURE 2.4.3.3
SWAN RIVER
WATERSHED MANAGEMENT PLAN
DRAINAGE STRUCTURES 3

Legend

- WATERSHED BOUNDARY
- SURFACE DRAINAGE BOUNDARY
- WATER BOUNDARY
- RECHARGE BASIN
- ROAD RUNOFF
- CATCH BASIN
- OUTFALLS
- LEACHING POOL
- MANHOLE
- PIPE
- HIGH POINTS
- SWALE

SHEET 4

SHEET 3

PIPE CONNECTION UNDETERMINED

SOURCE:
WATERSHED BOUNDARY: NYSDOS DCR

Cashin Associates

0 250 500 1,000 1,500 2,000 Feet

0 0.05 0.1 0.2 0.3 0.4 Miles

FIGURE 2.4.3.4
SWAN RIVER
WATERSHED MANAGEMENT PLAN
DRAINAGE STRUCTURES 4

N
W
E
S

NORTHCOM AVE

MEDFORD RD (RTE 112)

REACH 4

REACH 3

REACH 2

REACH 2

REACH 1

REACH 1

SUNRISE HIGHWAY (RTE 27)

MONTAUK HIGHWAY (RTE 27A)

PATCHOGUE BAY

DRAINAGE AREA WIDE RIPARIAN BUFFER RESTORATION

DRAINAGE AREA WIDE STORM DRAIN STENCILING PROGRAM

DRAINAGE AREA WIDE INSTALLATION OF POINT AND NONPOINT SOURCE STORMWATER CONTROLS

CONDUCT SVAP AND FGP FOR ALL REACHES

WATERSHED WIDE STORMWATER INFRASTRUCTURE MAINTENANCE AND STREET SWEEPING PROGRAM

WATERSHED WIDE EFFORTS TO REDUCE POINT AND NONPOINT SOURCE POLLUTION

FISH HABITAT IMPROVEMENT STRATEGIES

WATERSHED WIDE ENFORCEMENT OF LAND USE LAWS AND REGULATIONS

ACQUIRE PROPERTIES FOR PRESERVATION

CONDUCT WATER QUALITY MONITORING FOR ALL REACHES

MARINA/BOATER EDUCATIONAL EFFORT

Legend

- OUTFALLS
- SURFACE DRAINAGE BOUNDARY
- WATERSHED BOUNDARY
- REACHES

SOURCE:
WATERSHED BOUNDARY: NYSDOS DCR

0 500 1,000 2,000 3,000 4,000 Feet

0 0.125 0.25 0.5 0.75 1 Miles

Cashin Associates

FIGURE 3.0
SWAN RIVER
WATERSHED MANAGEMENT PLAN
MANAGEMENT RECOMENDATIONS

WOODSIDE AVENUE. (#73)
WORK WITH SCDPW TO EVALUATE EXISTING DRAINAGE SYSTEM. RECONFIGURE SYSTEM TO CONTAIN WQSE AND BYPASS LARGE STORM EVENTS

FIRST AVE. (#92)
INVESTIGATE RECHARGE BASIN CAPACITY AND OVERFLOW.
IF REQUIRED RECONFIGURE SYSTEM TO CONTAIN WQSE AND BYPASS LARGER EVENTS

PATRICIA LANE (#1116)
INVESTIGATE RECHARGE BASIN CAPACITY AND OVERFLOW.
IF REQUIRED RECONFIGURE SYSTEM TO CONTAIN WQSE AND BYPASS LARGE STORM EVENTS

DEBBIE LANE (#1298)
INVESTIGATE EXISTING DRAINAGE INFRASTRUCTURE

CIRCLE DRIVE. (#257)
INVESTIGATE RB CAPACITY AND OVERFLOW STRUCTURES.
RECONFIGURE SYSTEM TO CONTAIN WQSE AND BYPASS LARGER EVENTS

GINA AVE (#66)
INVESTIGATE RB CAPACITY AND OVERFLOW STRUCTURES.
RECONFIGURE SYSTEM TO CONTAIN WQSE AND BYPASS LARGER EVENTS

SUNRISE HIGHWAY
WORK WITH NYSDOT TO DESIGN AND CONSTRUCT MEASURES TO CONTROL ROAD RUNOFF TO RIVER

INVESTIGATE DRAINAGE INFRASTRUCTURE FOR SWAN LAKE DR, SCHOENFIELD BLVD AND PHYLLIS DR. (#34, 1321, 1344, 1331, 1327)
INSTALL WATER QUALITY INLETS AT EACH OUTFALL TO HANDLE WQSE AND BYPASS LARGE STORMS

MONTAUK HIGHWAY. (#67)
WORK WITH SCDPW TO DESIGN AND CONSTRUCT UPGRADIENT LB'S AND WQI.

PRIVATE PROPERTY ON MONTAUK HIGHWAY (#26) REQUIRE ON-SITE CONTAINMENT OF WQSE.

WATERSHED WIDE EDUCATIONAL EFFORT TO REDUCE PESTICIDE AND FERTILIZER USE

ACQUIRE UNDEVELOPED SITES FOR PRESERVATION

WATERSHED WIDE STORMWATER INFRASTRUCTURE MAINTENANCE PROGRAM

BROOKHAVEN PINE NECK BOAT RAMP. INSTALL UPGRADIENT LB'S AND RESTORATION FIELD

REACH 4
REACH 3
REACH 2
REACH 1
NORTH OCEAN AVE
WEDGEWOOD DR (RTE 112)
SUNRISE HIGHWAY (RTE 27)
MONTAUK HIGHWAY (RTE 27A)
PATCHOGUE BAY
N
S
E
W

Legend
- OUTFALLS
- SURFACE DRAINAGE BOUNDARY
- WATERSHED BOUNDARY
- REACHES

SOURCE:
WATERSHED BOUNDARY: NYSDOS DCR

0 500 1,000 2,000 3,000 4,000 Feet

0 0.125 0.25 0.5 0.75 1 Miles

Cashin Associates

FIGURE 4.4
SWAN RIVER WATERSHED MANAGEMENT PLAN
TARGET PROJECT AND PRIORITY ACTIONS