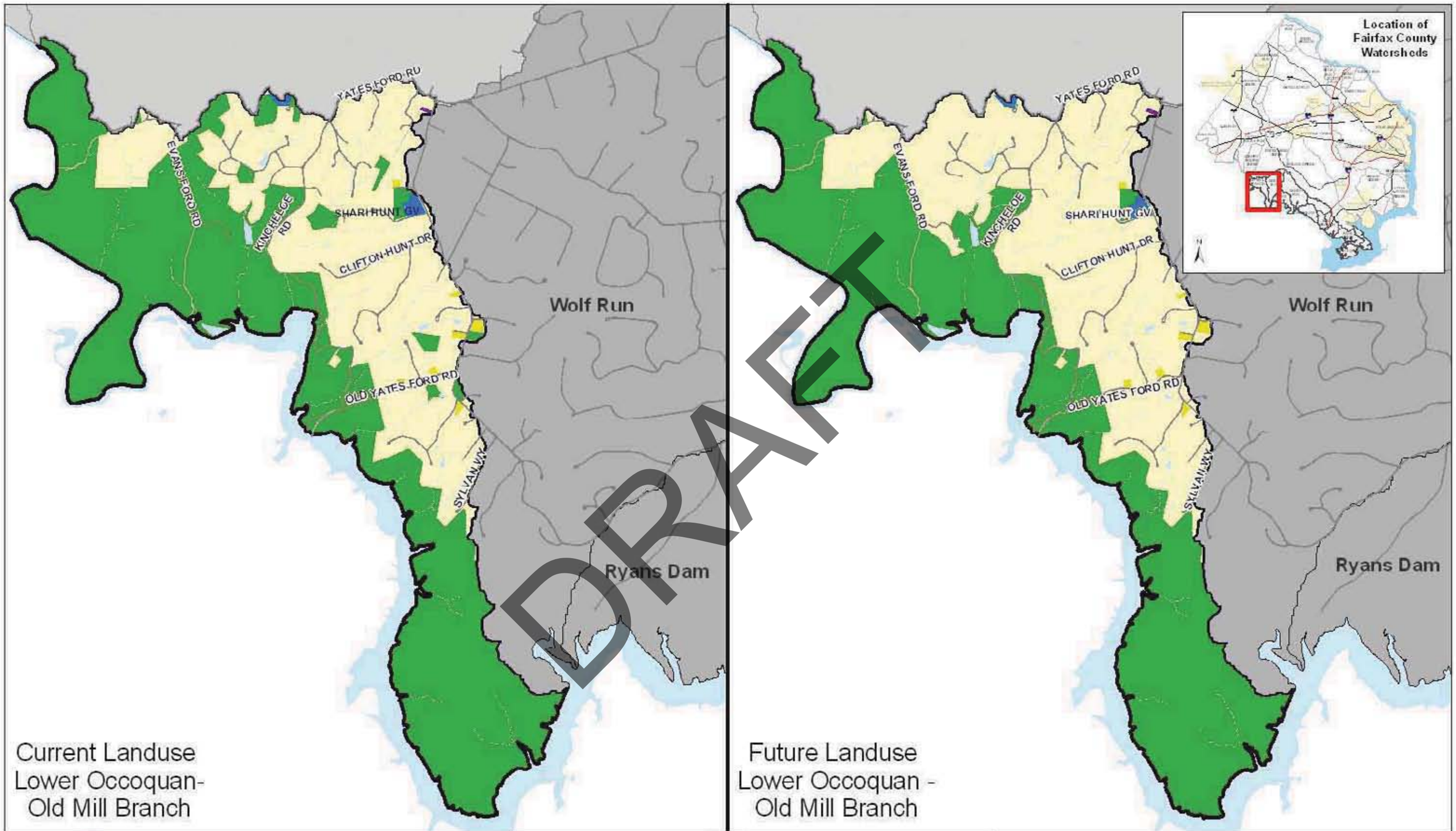
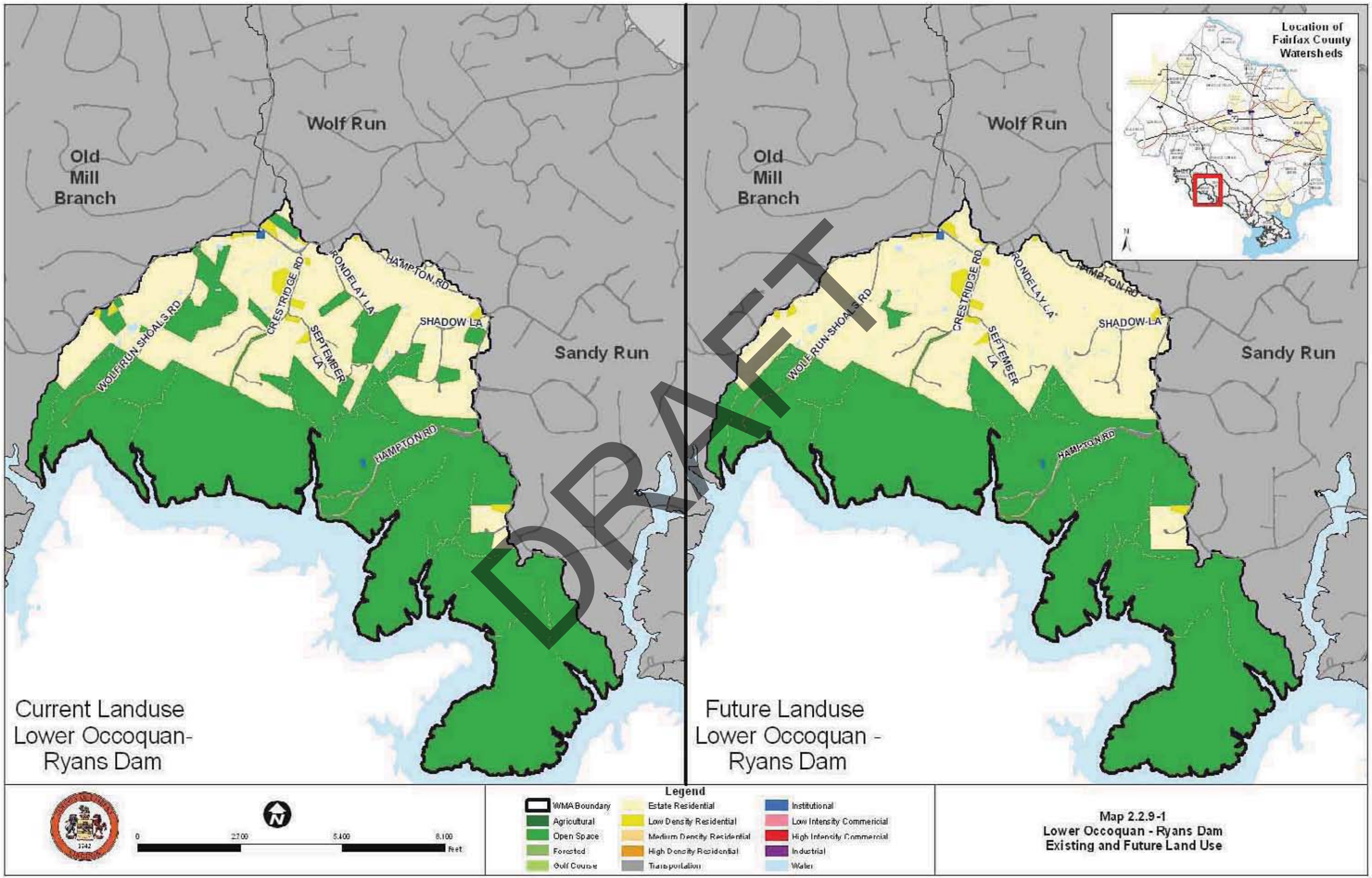
Johnny Moore Bull Run
Lower Popes Head
Vicinity Map
N
Not to Scale
HENDERSON RD
Wolf Run
Old Mill Branch
HENDERSON RD
Ryans Dam
DRAFT
0
0.3
0.6
Miles
Legend
Storm Drainage
Rivers and Streams
Road
Park Boundary
Building
Drainage Complaint
Lake
Storm Drainage Facility
Other WMA Boundaries
Old Mill Branch
Map 2.2.8-2
Lower Occoquan
Old Mill Branch
Stormwater Infrastructure


YATES FORD RD
EVANS FORD RD
KINCHELOE RD
SHARI HUNT GV
CLIFTON HUNT DR
OLD YATES FORD RD
SYLVAN LN
Wolf Run
Ryans Dam
Current Landuse
Lower Occoquan-
Old Mill Branch
Location of
Fairfax County
Watersheds
Future Landuse
Lower Occoquan -
Old Mill Branch
DRAFT

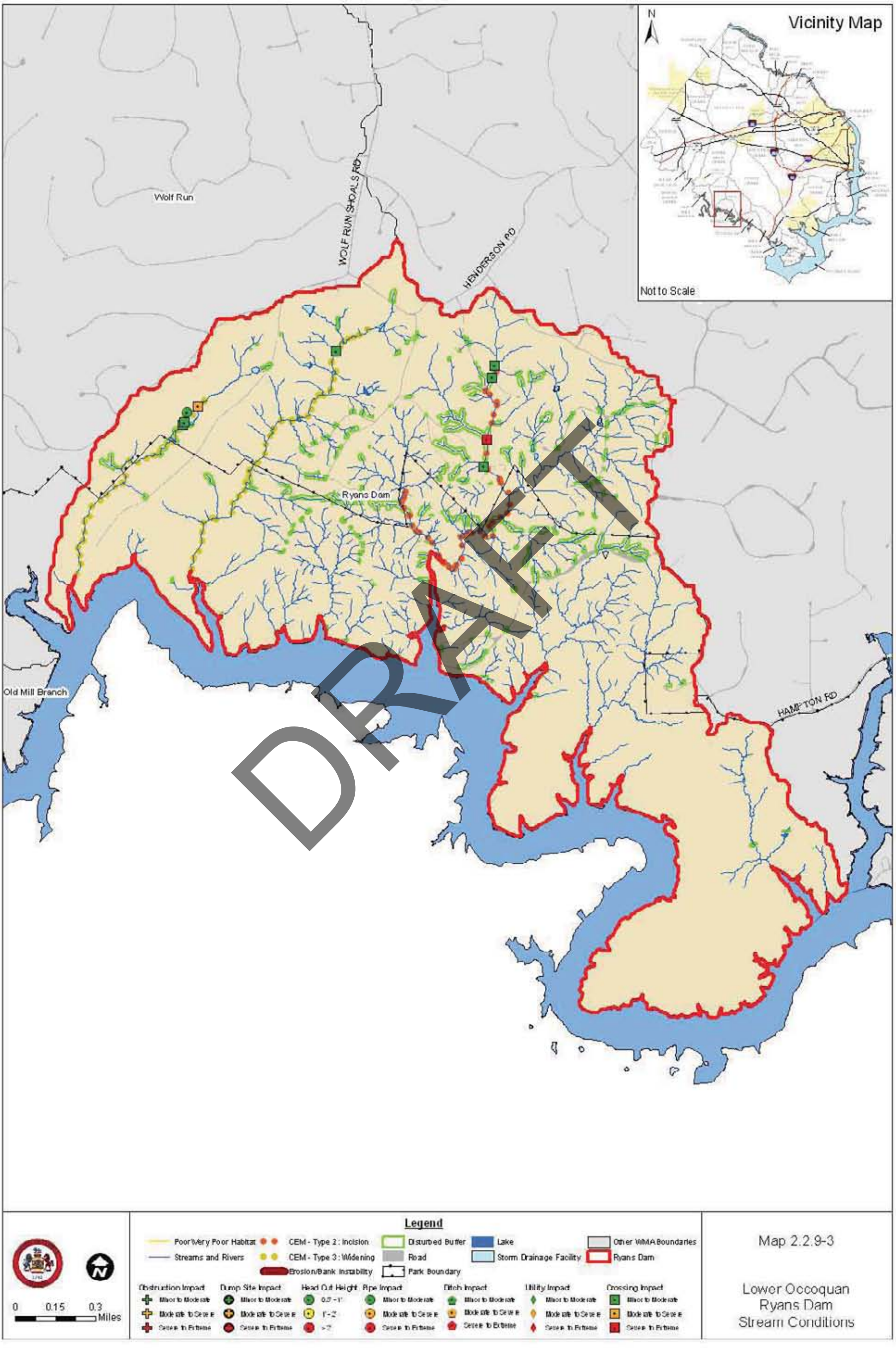
0
3,100
6,200
9,300
Feet
Legend
WMA Boundary
Agricultural
Open Space
Forested
Golf Course
Estate Residential
Low Density Residential
Medium Density Residential
High Density Residential
Transportation
Institutional
Low Intensity Commercial
High Intensity Commercial
Industrial
Water
Map 2.2.8-1
Old Mill Branch
Existing and Future Land Use

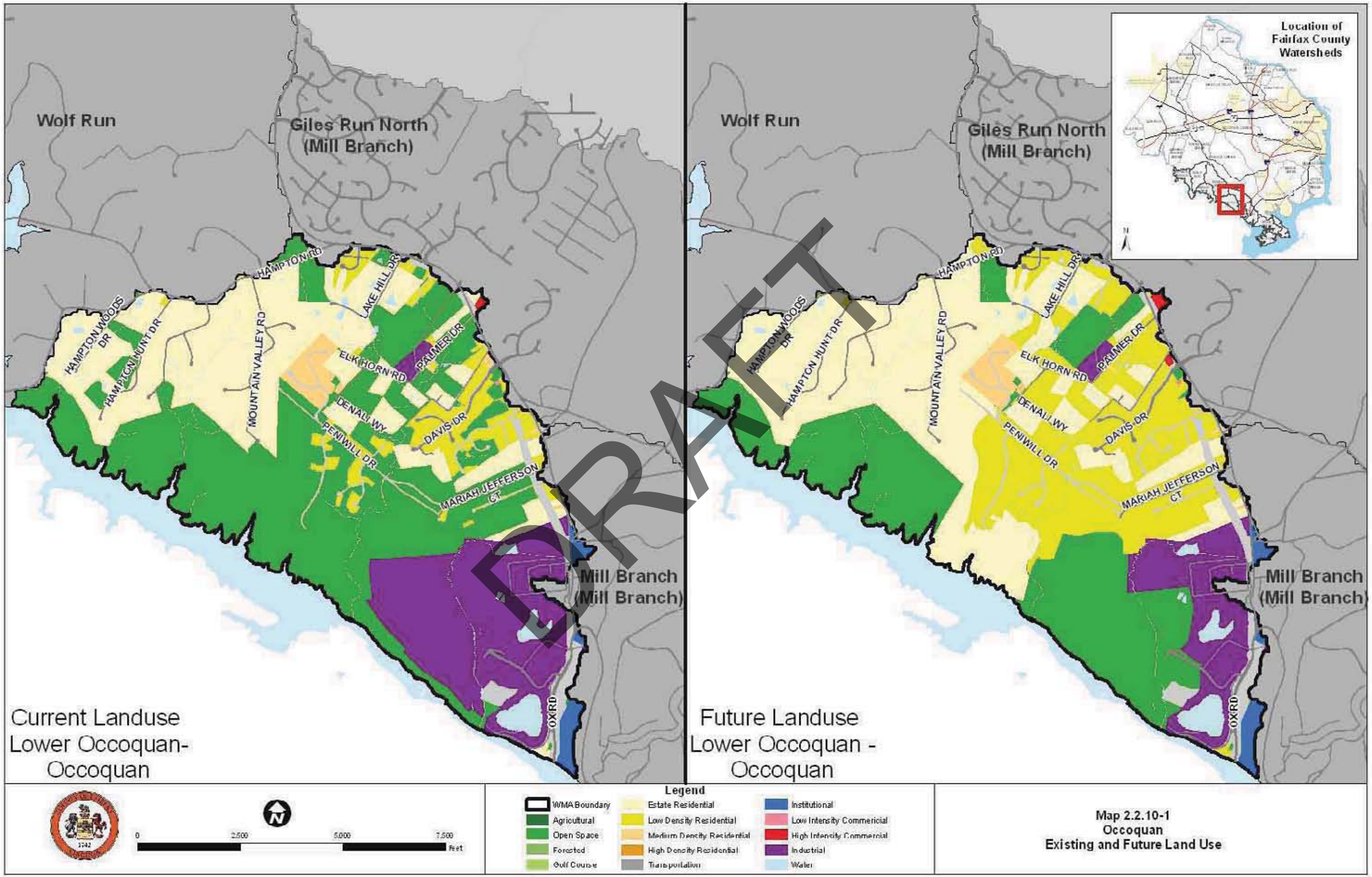
Johnny Moore Bull Run
Lower Popes Head
Vicinity Map
N
Not to Scale
HENDERSON RD
Wolf Run
Old Mill Branch
HENDERSON RD
Ryans Dam
DRAFT
Legend
Poor/Very Poor Habitat
Streams and Rivers
CEM - Type 2: Incision
CEM - Type 3: Widening
Erosion/Bank Instability
Disturbed Buffer
Road
Park Boundary
Lake
Storm Drainage Facility
Other WMA Boundaries
Old Mill Branch
Obstruction Impact
Dump Site Impact
Head Cut Height
Pipe Impact
Ditch Impact
Utility Impact
Crossing Impact
0 0.15 0.3 Miles
Map 2.2.8-3
Lower Occoquan
Old Mill Branch
Stream Conditions



Map 2.2.9-1
Lower Occoquan - Ryans Dam
Existing and Future Land Use

Vicinity Map
N
Not to Scale
Wolf Run
WOLF RUN SHOALS RD
HENDERSON RD
Ryans Dam
Old Mill Branch
HAMPTON RD
DRAFT
0
0.25
0.5
Miles
Legend
Storm Drainage
Rivers and Streams
Road
Park Boundary
Building
Drainage Complaint
Lake
Storm Drainage Facility
Other WMA Boundaries
Ryans Dam
Map 2.2.9-2
Lower Occoquan
Ryans Dam
Stormwater Infrastructure


Vicinity Map
N
Not to Scale
Wolf Run
WOLF RUN SHOALS RD
HENDERSON RD
Ryans Dam
Old Mill Branch
HAMPTON RD
DRAFT
Legend
Poor/Very Poor Habitat
Streams and Rivers
CEM - Type 2 : Incision
CEM - Type 3 : Widening
Erosion/Bank Instability
Disturbed Buffer
Road
Park Boundary
Lake
Storm Drainage Facility
Other WMA Boundaries
Ryans Dam
Obstruction Impact
Dump Site Impact
Head Cut Height
Pipe Impact
Ditch Impact
Utility Impact
Crossing Impact
Minor to Moderate
Moderate to Severe
Severe to Extreme
0.5 - 1'
1' - 2'
> 2'
0 0.15 0.3 Miles
Map 2.2.9-3
Lower Occoquan
Ryans Dam
Stream Conditions

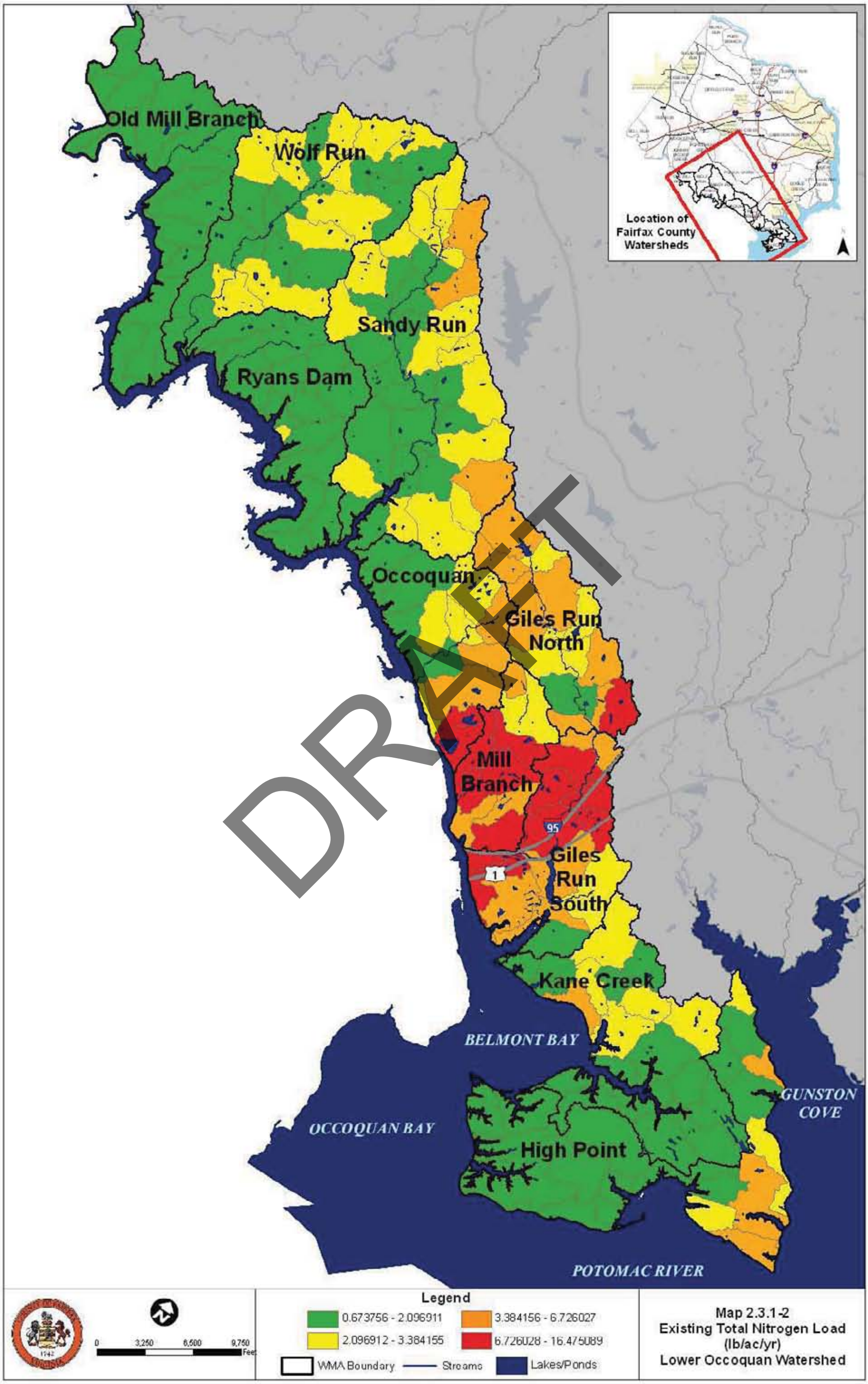

Wolf Run
Giles Run North
(Mill Branch)
Mill Branch
(Mill Branch)
HAMPTON RD
LAKE HILL DR
HAMPTON WOODS DR
HAMPTON HUNT DR
MOUNTAIN VALLEY RD
ELK HORN RD
PALMER DR
DENALI WY
PENWILL DR
DAVIS DR
MARIAH JEFFERSON CT
OX RD
Current Landuse
Lower Occoquan-
Occoquan
Future Landuse
Lower Occoquan -
Occoquan
Location of
Fairfax County
Watersheds
N
0
2,500
5,000
7,500
Feet
Legend
WMA Boundary
Agricultural
Open Space
Forested
Golf Course
Estate Residential
Low Density Residential
Medium Density Residential
High Density Residential
Transportation
Institutional
Low Intensity Commercial
High Intensity Commercial
Industrial
Water
Map 2.2.10-1
Occoquan
Existing and Future Land Use

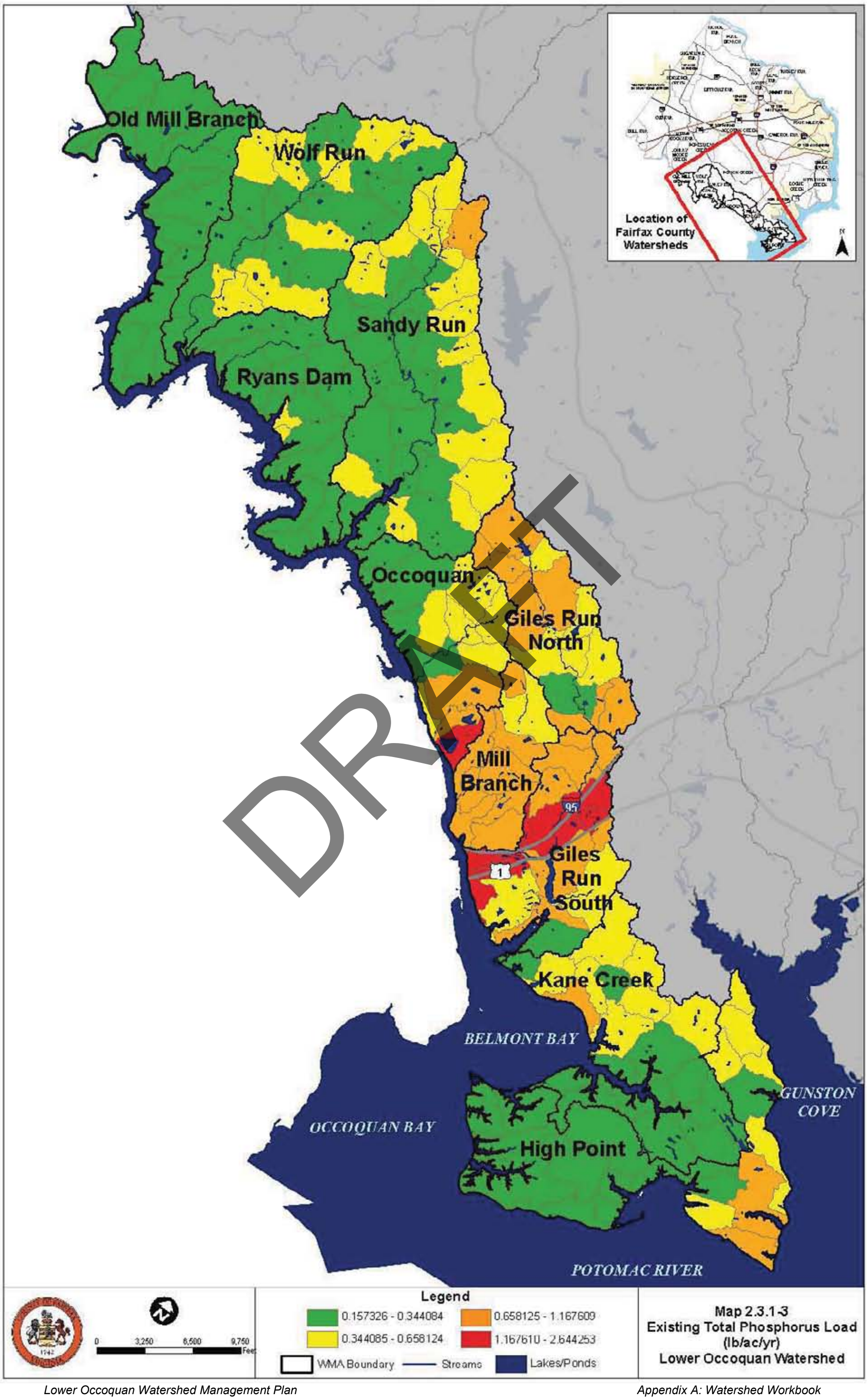
DRAFT

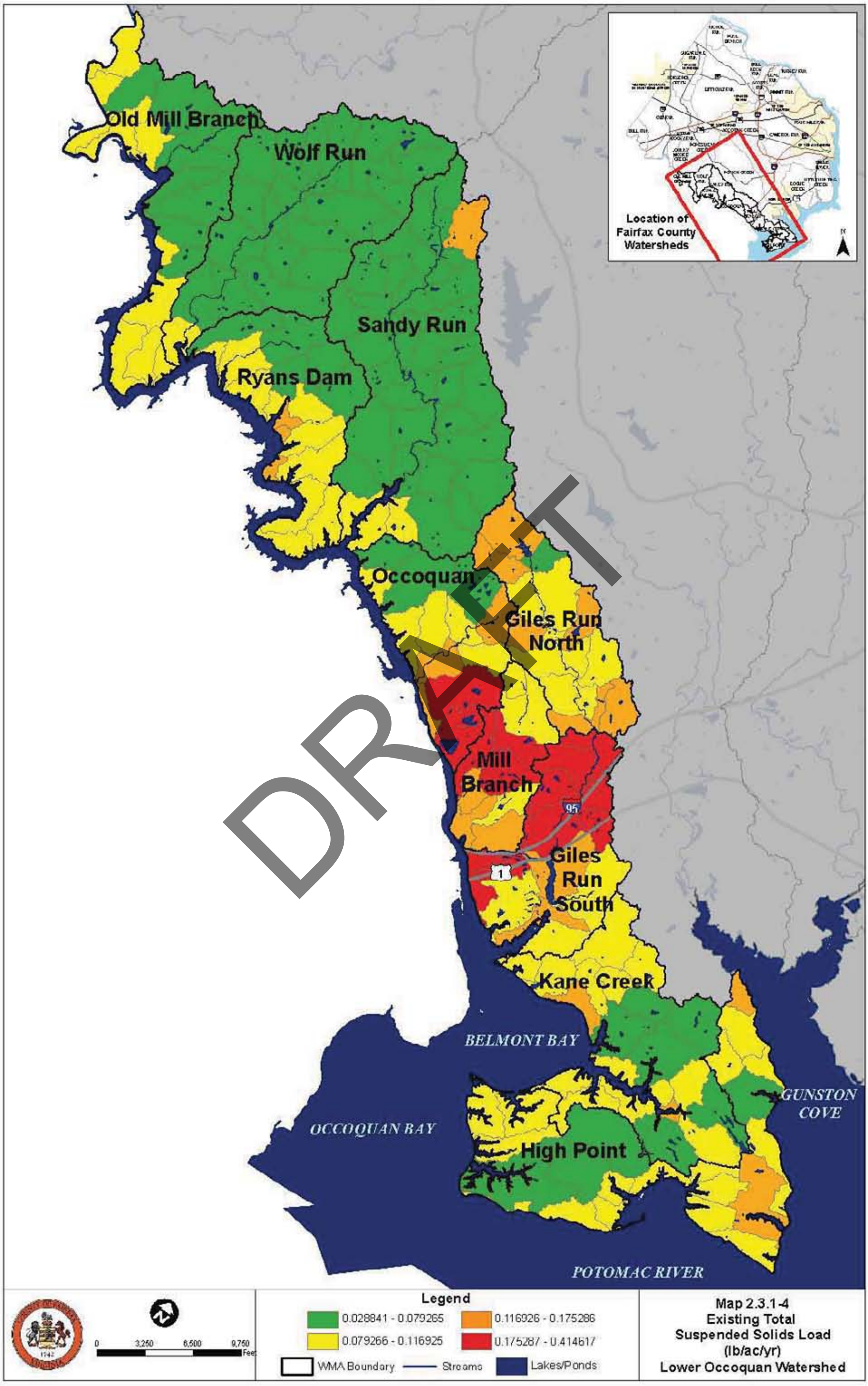
Vicinity Map
N
Not to Scale
Pohick - Middle South R
Sandy Run
HAMPTON RD
Mill Branch- Giles Run North
HOOSE RD
FURNACE RD
Occoquan
Mill Branch- Mill Branch
DRAFT
0
0.3
0.6
Miles
Legend
Storm Drainage
Rivers and Streams
Road
Park Boundary
Building
Drainage Complaint
Lake
Storm Drainage Facility
Other WMA Boundaries
Occoquan
Map 2.2.10-2
Lower Occoquan
Occoquan
Stormwater Infrastructure

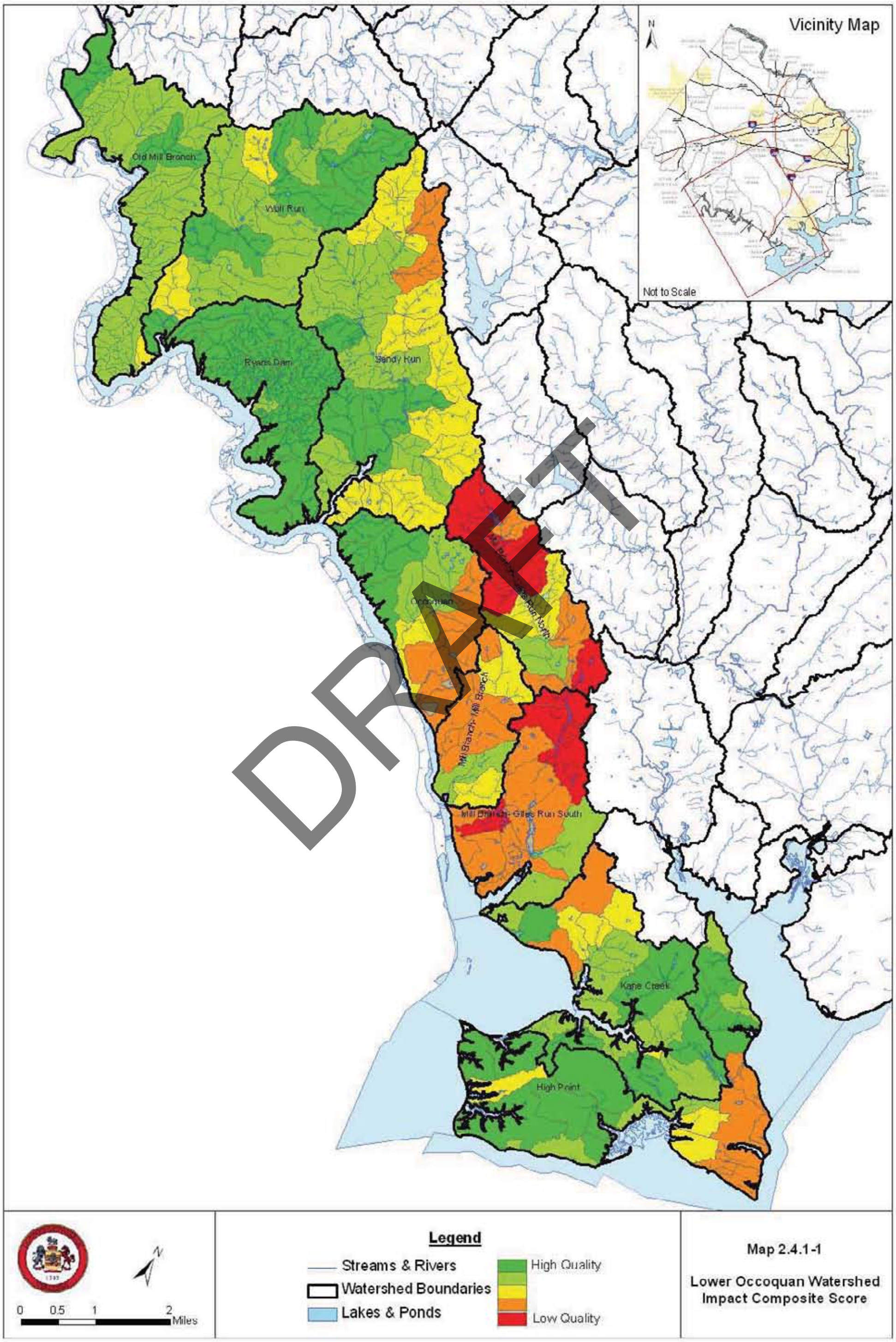
Vicinity Map
N
Not to Scale
Pohick - Middle South R
Sandy Run
HAMPTON RD
Mill Branch- Giles Run North
HOOSE RD
FURNACE RD
Occoquan
Mill Branch- Mill Branch
DRAFT
Legend
Poor/Very Poor Habitat
Streams and Rivers
CEM - Type 2: Incision
CEM - Type 3: Widening
Erosion/Bank Instability
Disturbed Buffer
Road
Park Boundary
Lake
Storm Drainage Facility
Other WMA Boundaries
Occoquan
Obstruction Impact
Dump Site Impact
Head Cut Height
Pipe Impact
Ditch Impact
Utility Impact
Crossing Impact
Minor to Moderate
Moderate to Severe
Severe to Extreme
0.5 - 1'
1' - 2'
> 2'
0
0.15
0.3
Miles
Map 2.2.10-3
Lower Occoquan
Occoquan
Stream Conditions

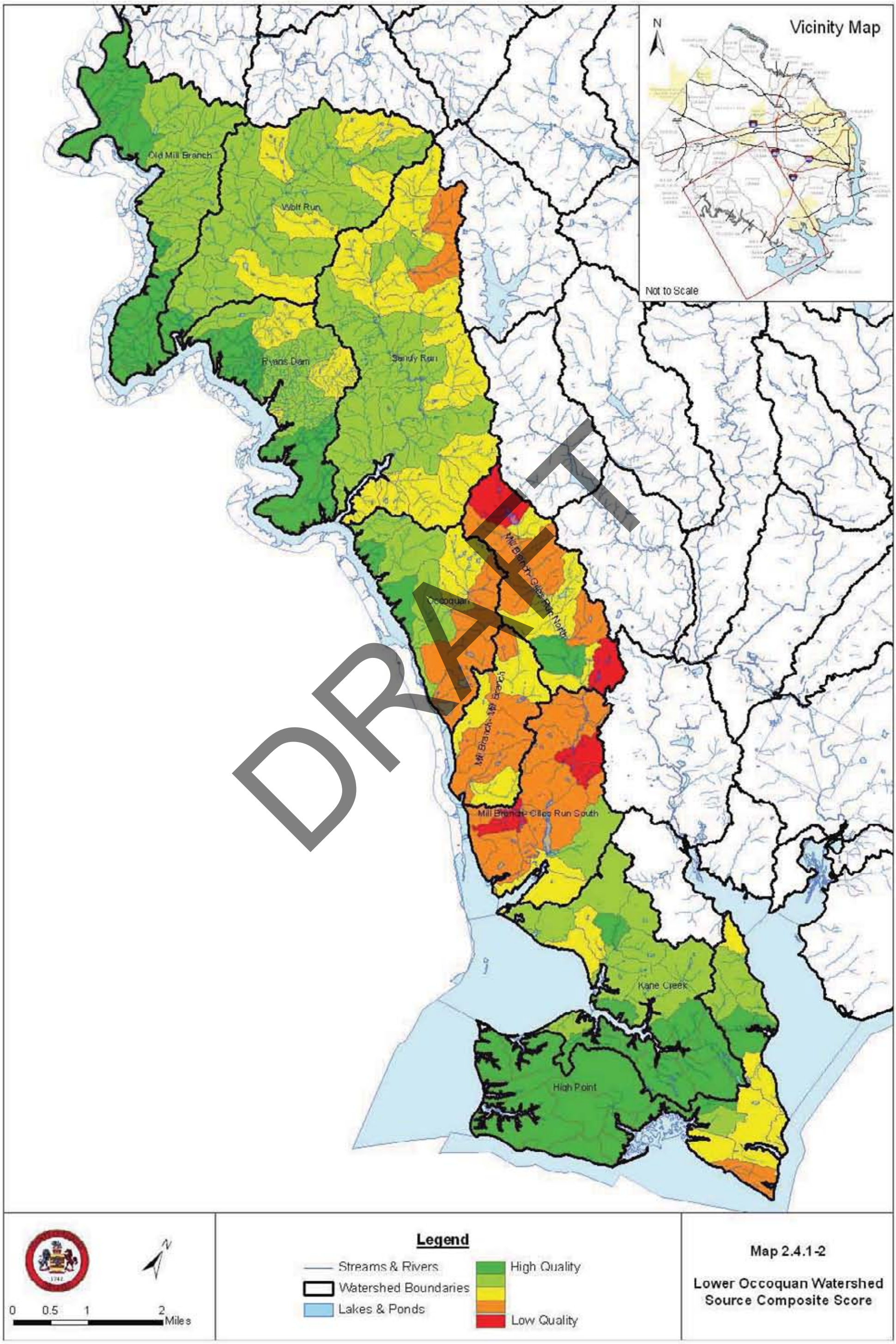
Old Mill Branch
Wolf Run
706
Ryans Dam
Sandy Run
556
584
Occoquan
Giles Run North
563
576
Mill Branch
718
Giles Run South
9
Kane Creek
BELMONT BAY
High Point
OCCOQUAN
GUNSTON COVE
28
POTOMAC RIVER
Location of Fairfax County Watersheds
DRAFT
0 3,400 6,800 10,200 Feet
Legend
GIS Nodes (SWMM)
Map 2.3.1-1
Lower Occoquan
SWMM Node Location


Old Mill Branch
Wolf Run
Sandy Run
Ryans Dam
Occoquan
Giles Run North
Mill Branch
95
1
Giles Run South
Kane Creek
BELMONT BAY
GUNSTON COVE
OCCOQUAN BAY
High Point
POTOMAC RIVER
Location of Fairfax County Watersheds
DRAFT
0 3,250 6,500 9,750 Feet
Legend
0.673756 - 2.096911
2.096912 - 3.384155
3.384156 - 6.726027
6.726028 - 16.475089
WMA Boundary
Streams
Lakes/Ponds
Map 2.3.1-2
Existing Total Nitrogen Load
(lb/ac/yr)
Lower Occoquan Watershed


Old Mill Branch
Wolf Run
Sandy Run
Ryans Dam
Occoquan
Giles Run North
Mill Branch
95
1
Giles Run South
Kane Creek
BELMONT BAY
GUNSTON COVE
OCCOQUAN BAY
High Point
POTOMAC RIVER
Location of Fairfax County Watersheds
N
DRAFT
0 3,250 6,500 9,750 Feet
Legend
0.157326 - 0.344084
0.344085 - 0.658124
0.658125 - 1.167609
1.167610 - 2.644253
WMA Boundary
Streams
Lakes/Ponds
Map 2.3.1-3
Existing Total Phosphorus Load (lb/ac/yr)
Lower Occoquan Watershed


Old Mill Branch
Wolf Run
Sandy Run
Ryans Dam
Occoquan
Giles Run North
Mill Branch
Giles Run South
Kane Creek
BELMONT BAY
GUNSTON COVE
OCCOQUAN BAY
High Point
POTOMAC RIVER
Location of Fairfax County Watersheds
DRAFT
Legend
0.028841 - 0.079265
0.079266 - 0.116925
0.116926 - 0.175286
0.175287 - 0.414617
WMA Boundary
Streams
Lakes/Ponds
0 3,250 6,500 9,750 Feet
Map 2.3.1-4
Existing Total
Suspended Solids Load
(lb/ac/yr)
Lower Occoquan Watershed


Vicinity Map
N
Not to Scale
Old Mill Branch
Mill Run
Ryans Dam
Sandy Run
Occoquan
Mill Branch-Giles Run South
Kane Creek
High Point
DRAFT
0 0.5 1 2 Miles
N
Legend
Streams & Rivers
Watershed Boundaries
Lakes & Ponds
High Quality
Low Quality
Map 2.4.1-1
Lower Occoquan Watershed
Impact Composite Score


Vicinity Map
N
Not to Scale
Old Mill Branch
Wolf Run
Ryans Dam
Sandy Run
Occoquan
Mill Branch-Gilles Run North
Mill Branch-Mill Branch
Mill Branch-Gilles Run South
Kane Creek
High Point
DRAFT
N
0 0.5 1 2 Miles
Legend
Streams & Rivers
Watershed Boundaries
Lakes & Ponds
High Quality
Low Quality
Map 2.4.1-2
Lower Occoquan Watershed
Source Composite Score