

INDEX

1 Summary	4
Loudoun Water Mission	6
Strategic Plan Vision	6
Strategic Plan Principles	8
2 Site Analysis	10
Connect the Corridor	12
Expand Community	14
Amplify Character	18
3 Concept Plan	20
Reservoir Precincts	22
Overall Site Plan	30
Focus Areas	31
Reservoir Park	32
Reservoir Preserve	36
Western Access	40
4 Design Guidelines	44
Access and Parking	46
Entry trails	48
Primary trails	48
Boardwalks	48
Hiking trails	48
Overlooks	50
Shelters and Pavilions	50
Water-based Play	50
Storm Water Gardens	50
Edge Ecologies	51

A1 Appendix Site Discovery	52
County Inventory and Analysis	54
Regional References	58
Ecological Strategies	59
Scale Comparisons	60
Identity and Access	62
Landscape Structure	64
Existing Character	66
Existing Use and Program	68
A2 Appendix Design Workshop	72
Character Precedent Review	74
Concept Design Studies	76
A3 Appendix Phase 1 Concept Plans	78
Concept Plan Draft Phase 1	80
Site Concept Studies	82
Precinct Concept Studies	83

1 SUMMARY



SUMMARY | Mission and Vision

Loudoun Water Mission

“

To sustainably manage water resources in advocacy of *health, environment and quality of life.*

... To bring our customers *clean, healthy water* that is *safe to drink.* ”

Strategic Plan Vision

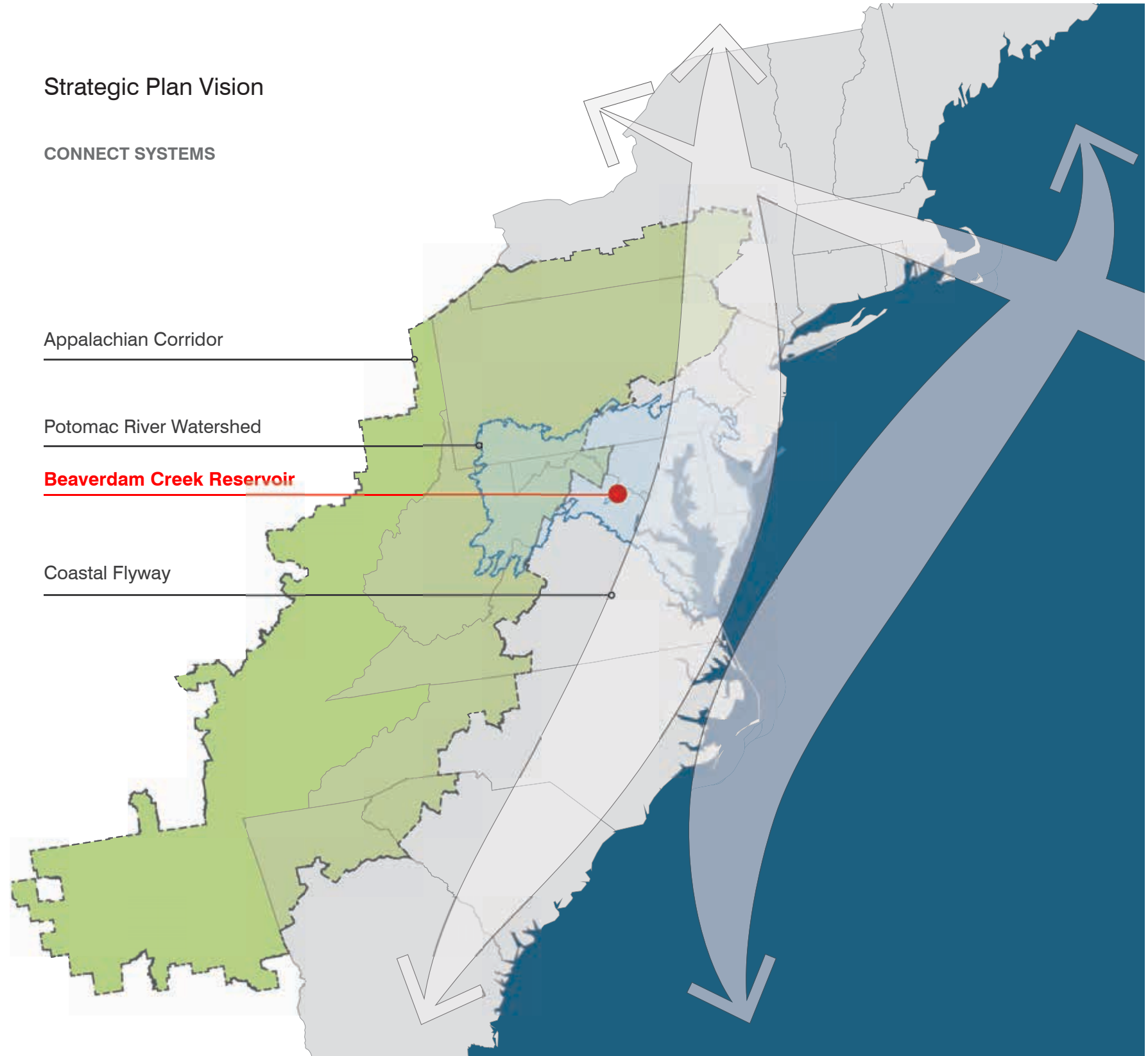
CONNECT SYSTEMS

Appalachian Corridor

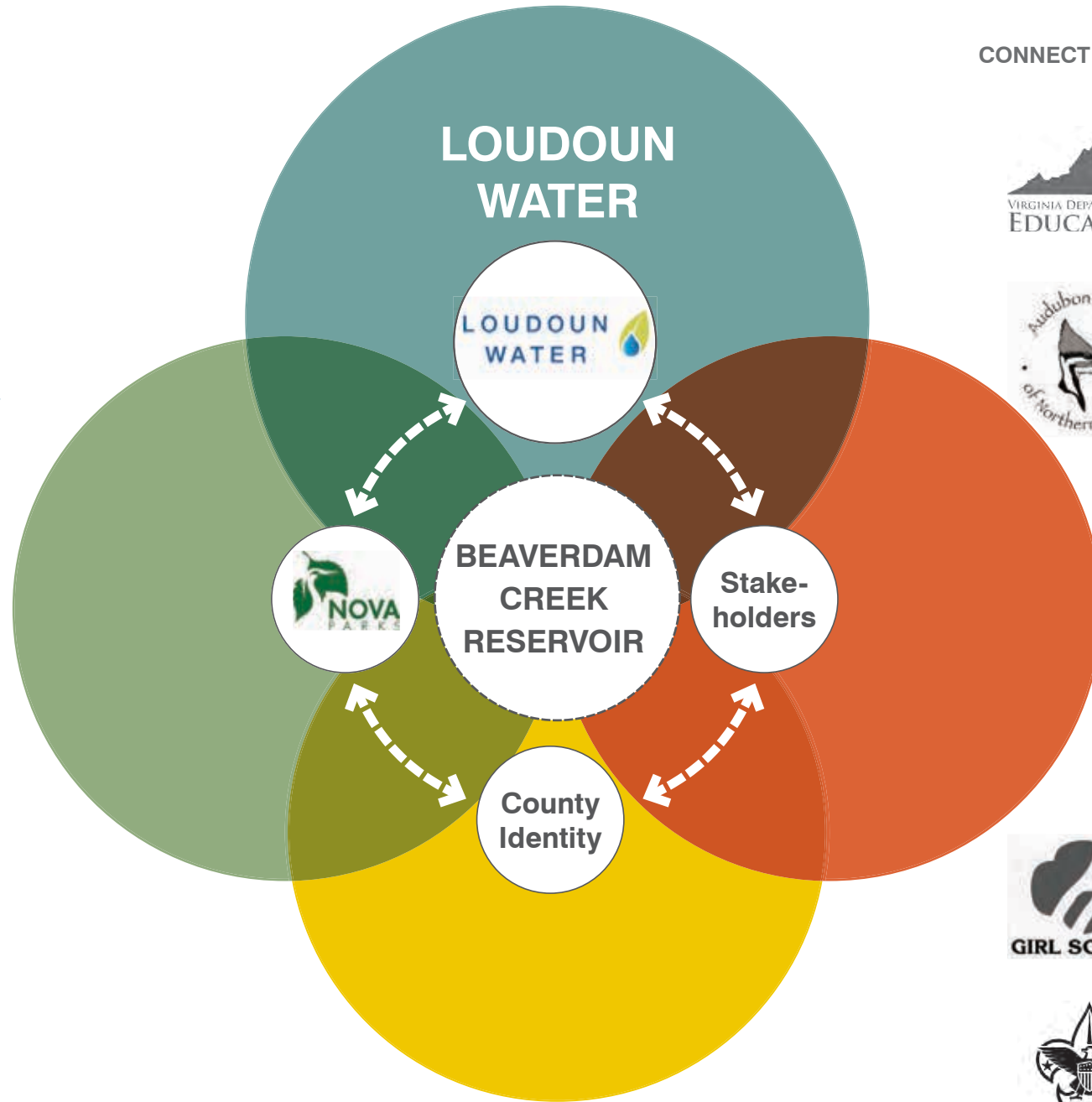
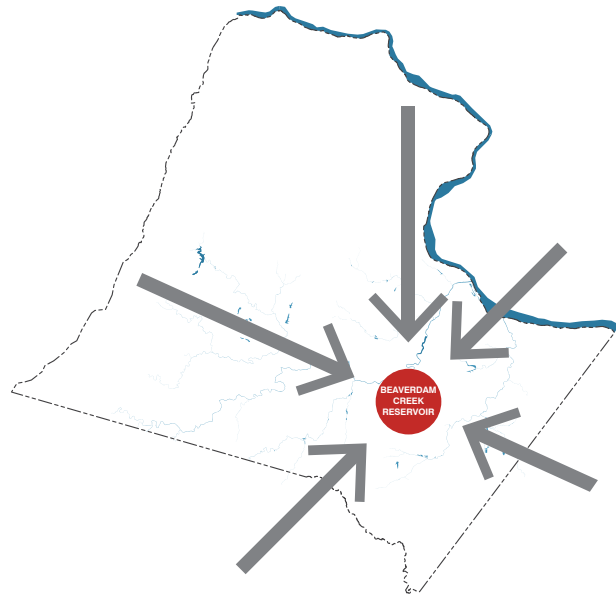
Potomac River Watershed

Beaverdam Creek Reservoir

Coastal Flyway



CONNECT THE COUNTY



CONNECT STAKEHOLDERS AND STEWARDS



SUMMARY | Principles

Strategic Plan Principles

Future design and implementation efforts at Beaverdam Creek Reservoir should support the mission of Loudoun Water and focus on articulating and expanding the value of the County water supply as a critical component of the public utility infrastructure and public space future of the County.

1 RESERVOIR AS RESOURCE

- Demonstrate value of water utility
- Articulate mission and actions that increase resilience of water supply

2 ECOLOGICAL STEWARDSHIP

- Healthy ecosystems improve water quality
- Minimize development impact and increase biodiversity
- Add outdoor labs or interpretive stations to support mission

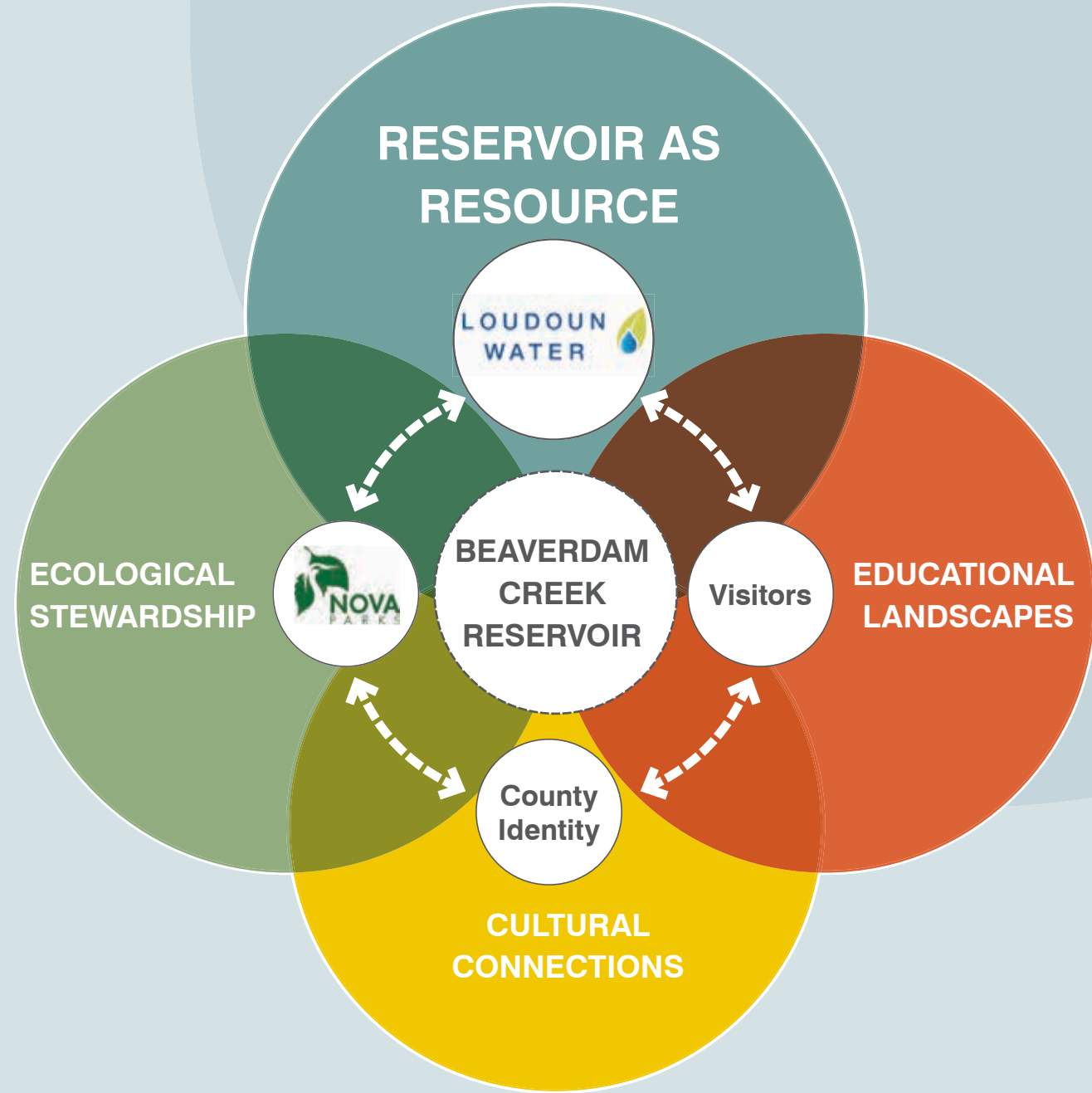
3 EDUCATIONAL LANDSCAPES

- Create a range of landscape types for a diverse community
- Encourage active play, passive recreation, and open-ended exploration

4 CULTURAL CONNECTIONS

- Cultivate strategic partnerships
- Respond to adjacent use and development
- Improve access based on existing opportunities





Loudoun Water
Service Area

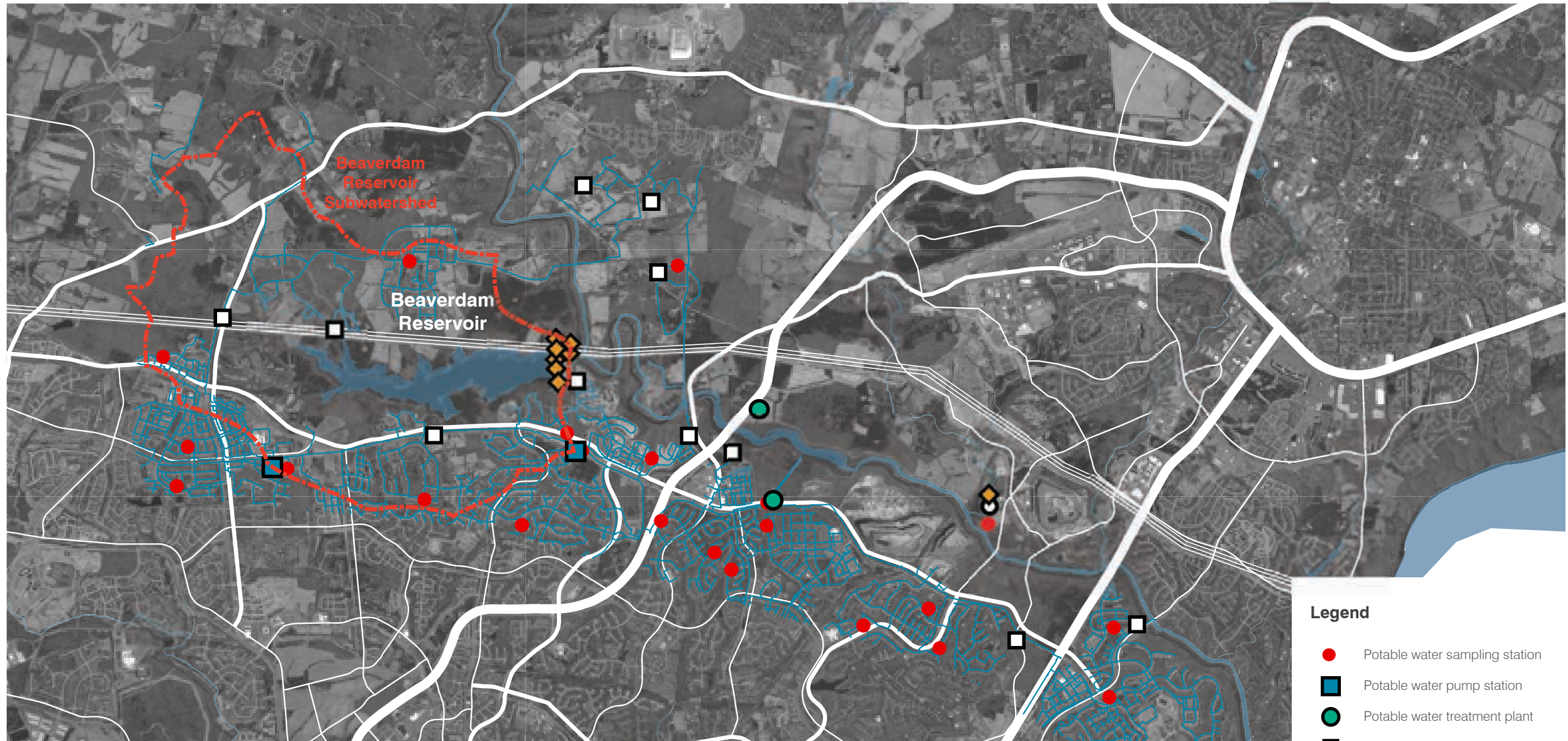
Goose Creek
Watersheds

2 SITE ANALYSIS





Public Utility Corridor



Utility infrastructure as potential armature for orientation and education within Reservoir sub-basin:

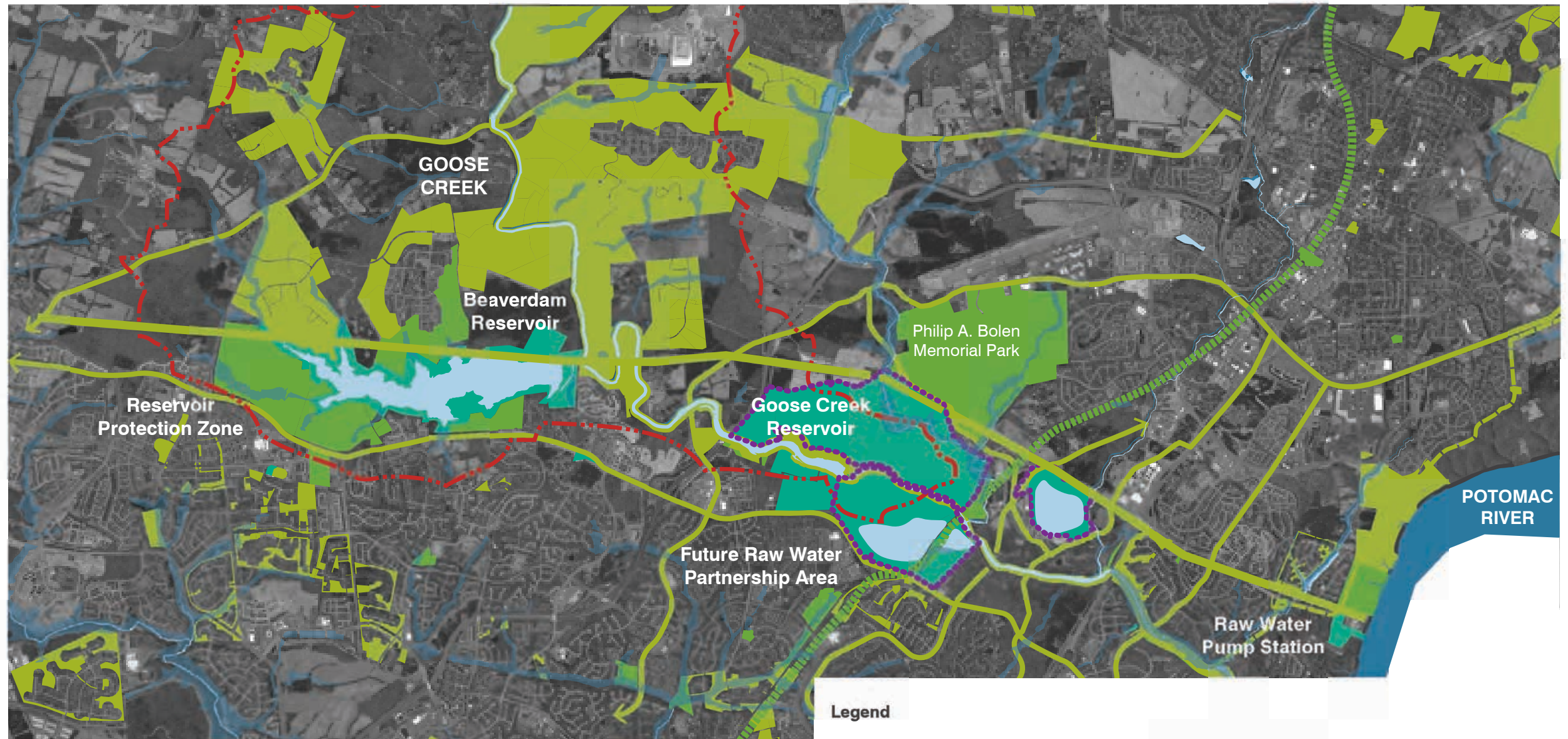
- Potable water sampling stations (6)
- Potable water pump stations (2)
- Wastewater pump stations (4)

Of the four waste water pump stations proximate to the Reservoir, two are on the site parcel, along with several wells.









Legend

- Potable water sampling station
- Potable water pump station
- Potable water treatment plant
- Wastewater pump station
- Wastewater treatment plant
- ◆ Well
- Potable water service lines

Public Space Corridor



Legend

- | | | |
|---|---|---|
|  River and waterways |  Parks (NOVA & County) |  Reservoir protection zone |
|  Floodplains |  W&OD Trail |  Raw water partnership area (Loudoun Water & Luck Stone) |
| |  Easements & other buffers | |
| |  Greenways & trails | |

SITE ANALYSIS | Expand Community

Development Patterns

The Reservoir context has changed dramatically over time as farmland has given way to new neighborhoods of development.

1757 to 1926

Hand-drawn maps of the pre-existing conditions at the Reservoir site show the emergence of a small community and cultural buildings at the confluence of county roads and stream corridors.

1957

Farmland is the primary use of land in Loudoun County.

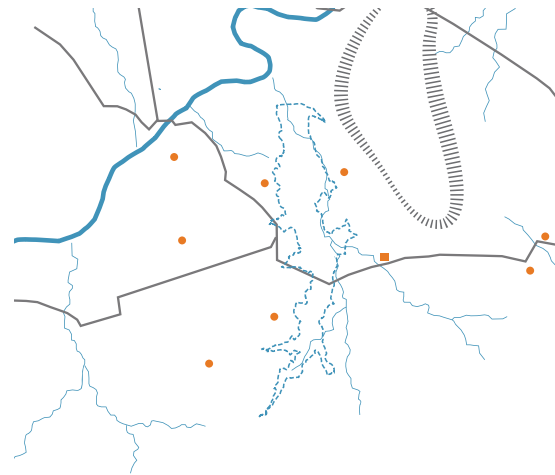
1988

The 350-acre Beaverdam Creek Reservoir is completed in 1972 in order to add water storage capacity to the existing Goose Creek Reservoir and safeguard against drought. Dulles Airport was dedicated in 1962 and contributed to the growth of the County.

2002 to 2016

Development communities expand at Broadlands, Waxpool, and Brambleton neighborhoods.

1853 GOOSE CREEK AS COUNTY SPINE



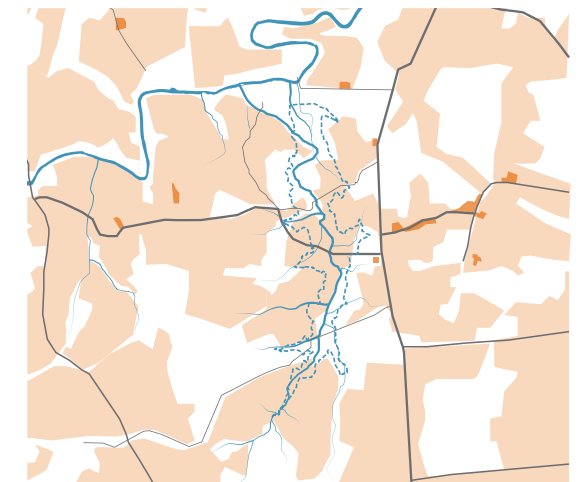
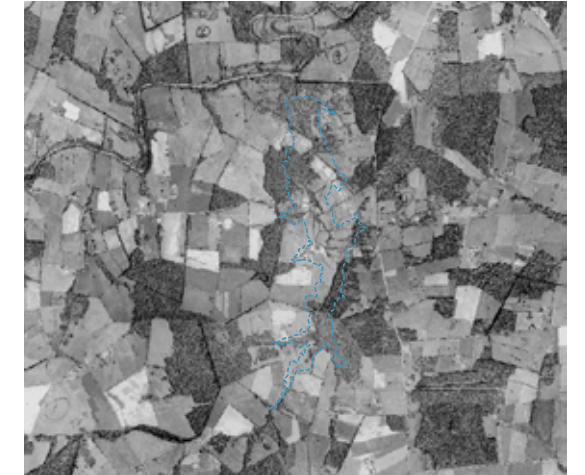
Fewer primary roads mapped. Streams and nearby plateau drawn as prominent landscape figures. District boundaries subdividing the County correlate directly with roads - and Goose Creek.

1926 NEIGHBORS AND NEW ROADS



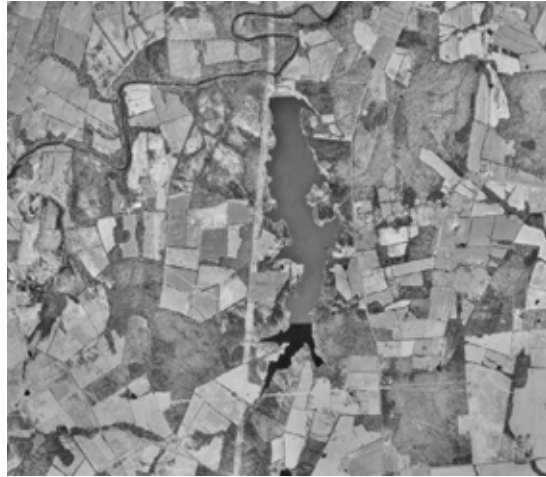
Waxpool neighborhood established. Belmont Ridge Road precursor developed along eastern edge of Beaverdam Creek.

1957 AGRICULTURAL FIELDS



Truss bridge over Beaverdam Creek remains in place, visible when water drawn down or low during drought (1999 & 2007).

1988 AERIAL (RESERVOIR COMPLETE 1972)



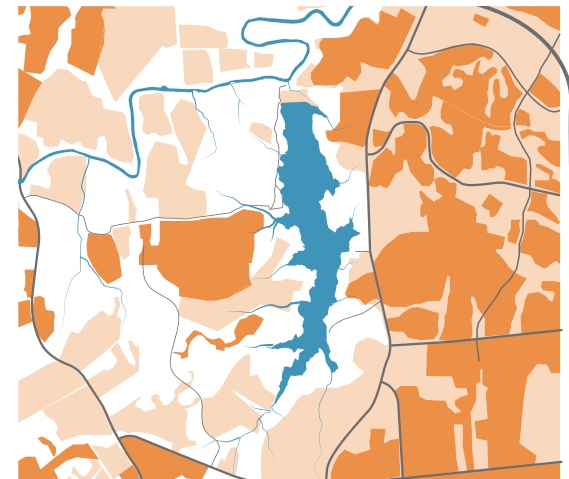
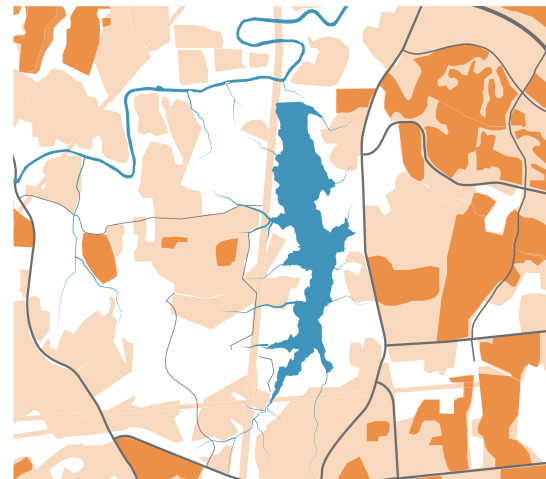
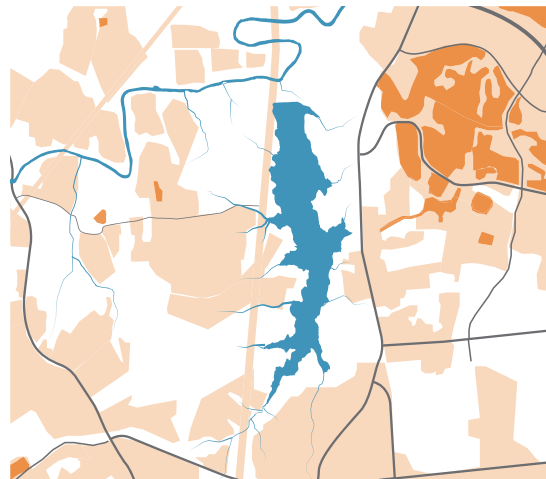
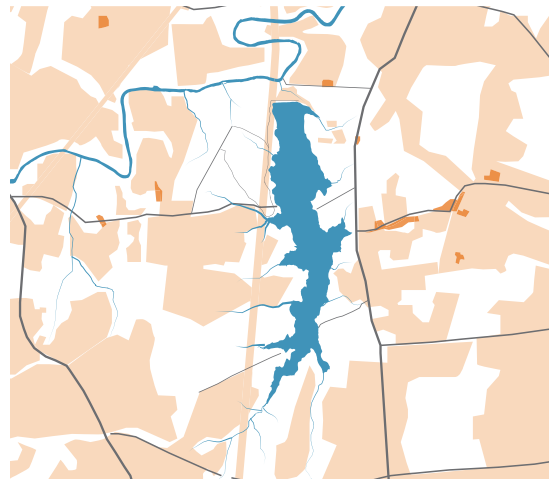
2002 BROADLANDS EXPANDS



2006 WAXPOOL & BRAMBLETON



2016 EXPANDED COMMUNITY



- Reservoir completed in 1972
- Added 1.34 million gallons of water storage to existing Goose Creek Reservoir as safeguard to drought

- Former farmland at northwest corner of reservoir remains as one of largest adjacent areas of intact forest

SITE ANALYSIS | Expand Community

From Singular to Signature

The Reservoir exists as an ecological and program hotspot largely hidden from neighbors by dense woods and marginally accessible at challenging entry points.

EXISTING SINGULAR IDENTITY CONNECT TO ADJACENT RESIDENTS



Land use pressure from adjacent development suggests a response that consolidates future access adjacent to already developed areas to better serve the existing communities.

EMBRACE ECOLOGY LIMIT ACCESS TO IMPROVE HABITATS

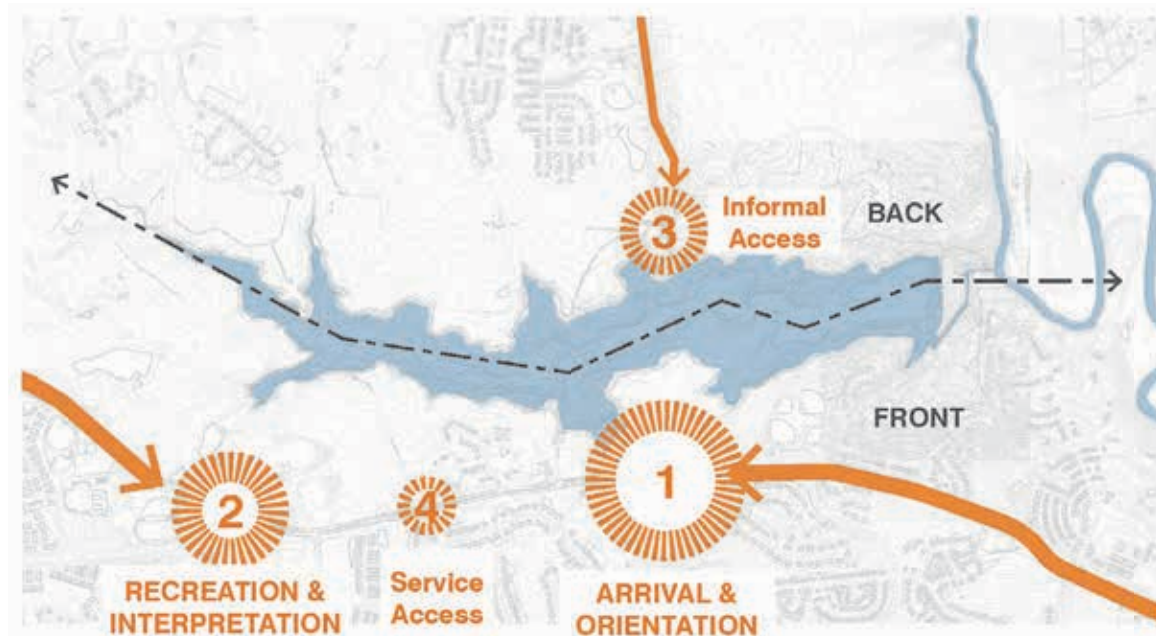


Ecological energies should be amplified to increase biodiversity by strategic control of public access and impact to land and water.

Legend

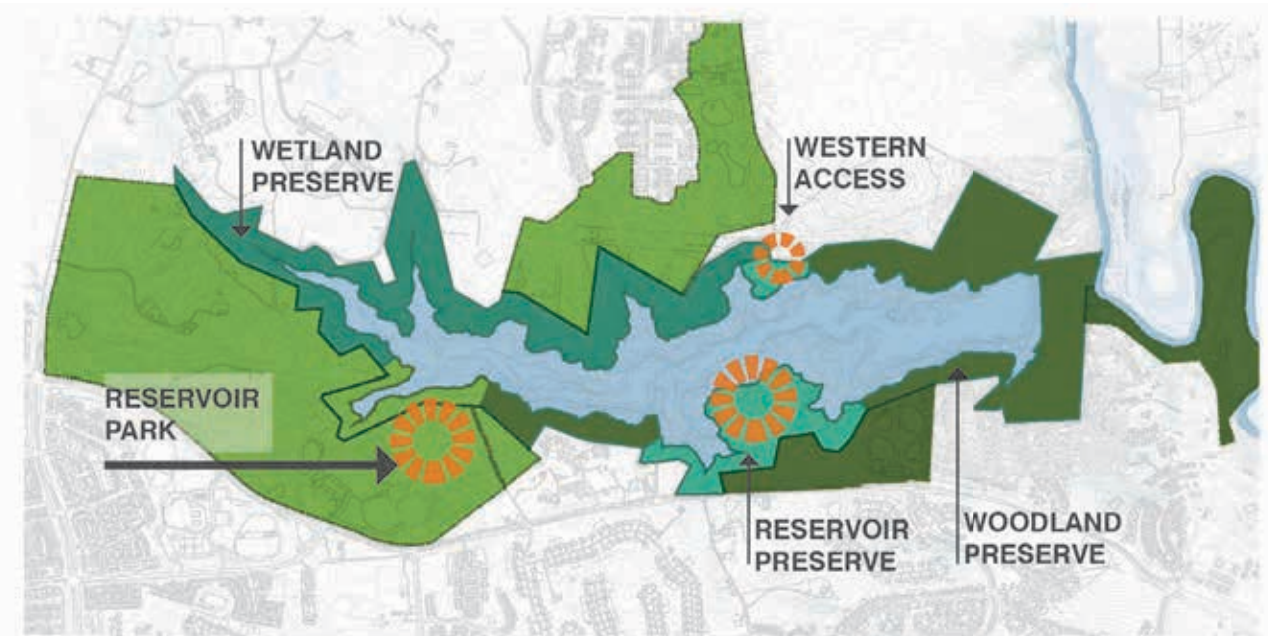
- ← Development pressure
- ← Ecological potential

CONSOLIDATE ACCESS PRIORITIZE FUTURE PROGRAM



Access consolidated to two new and primary entry points, with existing secondary access maintained for informal and service use.

SIGNATURE SPACES PRECINCTS AND PROGRAMS



The primary entry point establishes a new reservoir identity, where land-focused precincts give way to water-focused recreation and interpretation.

SITE ANALYSIS | Amplify Character

Preserve Existing Character

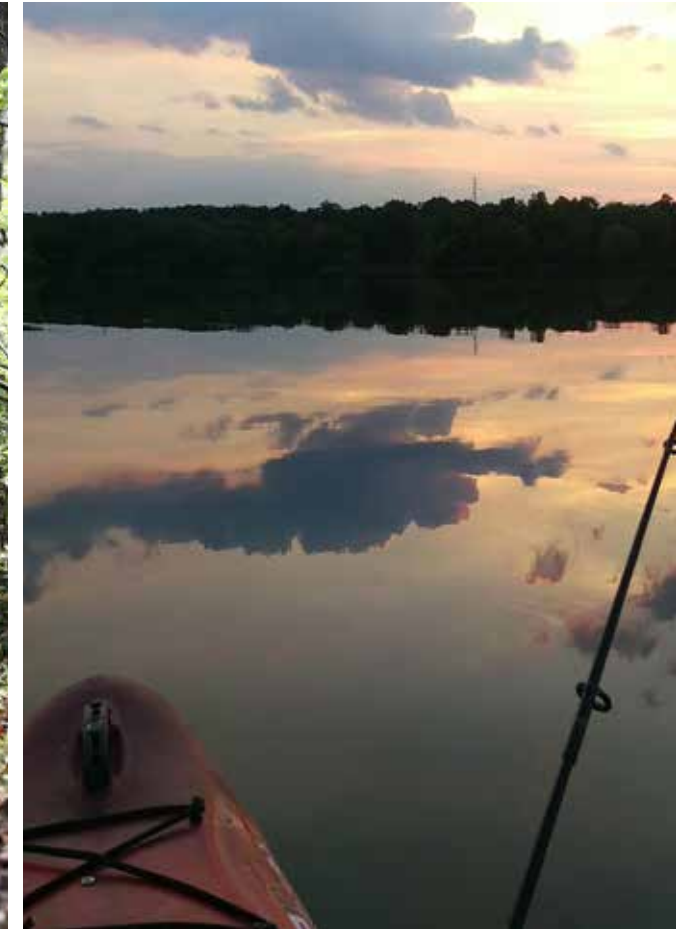
The Reservoir is well-used and appreciated by visitors and neighbors for the range of experiences it offers, from rest and refuge to exercise and activity. Future development for public use should maintain these aspects as much as possible where they are compatible with the goals and mission of the water utility.



Paddle canoes and kayaks as low-impact recreation.



Natural areas and hiking trails.



Quiet moments in morning and evening.

Promote Health and Habitat

On the water, amplify existing use where appropriate; promote health and habitat.



Fishing, bird-watching, and other wildlife-focused recreation.



Paddleboard yoga attracts residents of all ages.



Crew access and training is a major use on the Reservoir.

3 CONCEPT PLAN



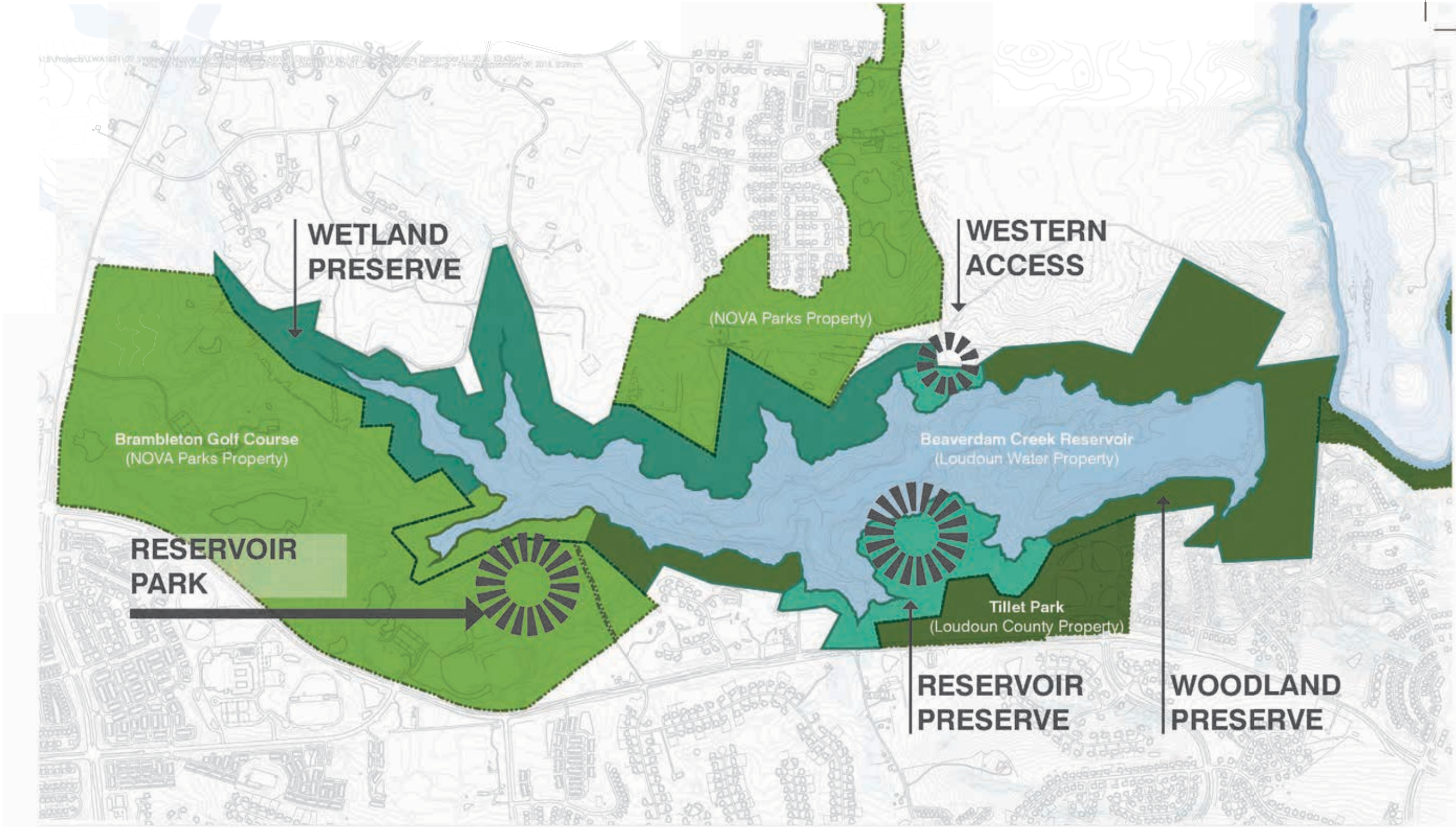


Reservoir Precincts

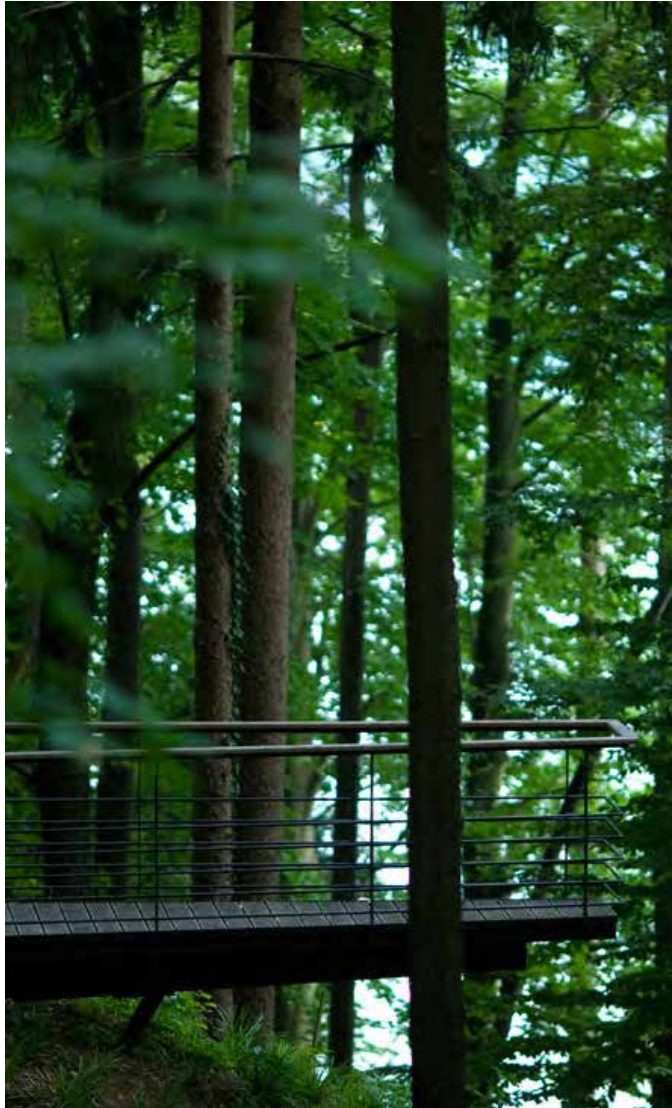
New access to the Reservoir helps orient visitors to the Park spaces and establish a framework for guiding the character of future development and use.

Phased development

The primary access areas may be developed in coordination with adjacent stakeholders and landowners. NOVA Parks and Loudoun County Parks will become strategic partners in expanding amenity offerings and maintaining park spaces.



The primary entry point establishes a new reservoir identity, where land-focused precincts give way to water-focused recreation and interpretation.



1 RESERVOIR PRESERVE

Public arrival without direct access to water
Pedestrians remain above water
Refined material palette, salvage on-site materials

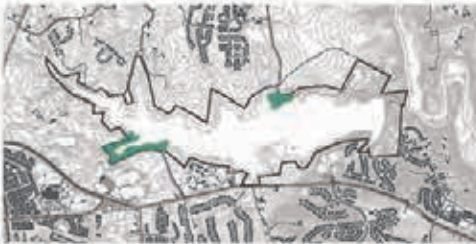






2 RESERVOIR PARK

Public access to water mediated as appropriate to activity
Discrete moments of pause and discovery
Coarser material palette

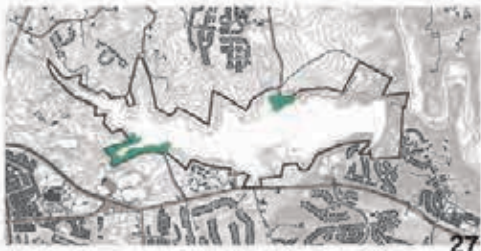




3

WATER ACCESS

Public access to water mediated as appropriate to activity
Discrete moments of pause and discovery
Coarser material palette





4 WOODLAND RESERVE
Focus on land and forest
Contemplative spaces
Unique relationship to land and planted form





5

WETLAND RESERVE

Limited public access to water

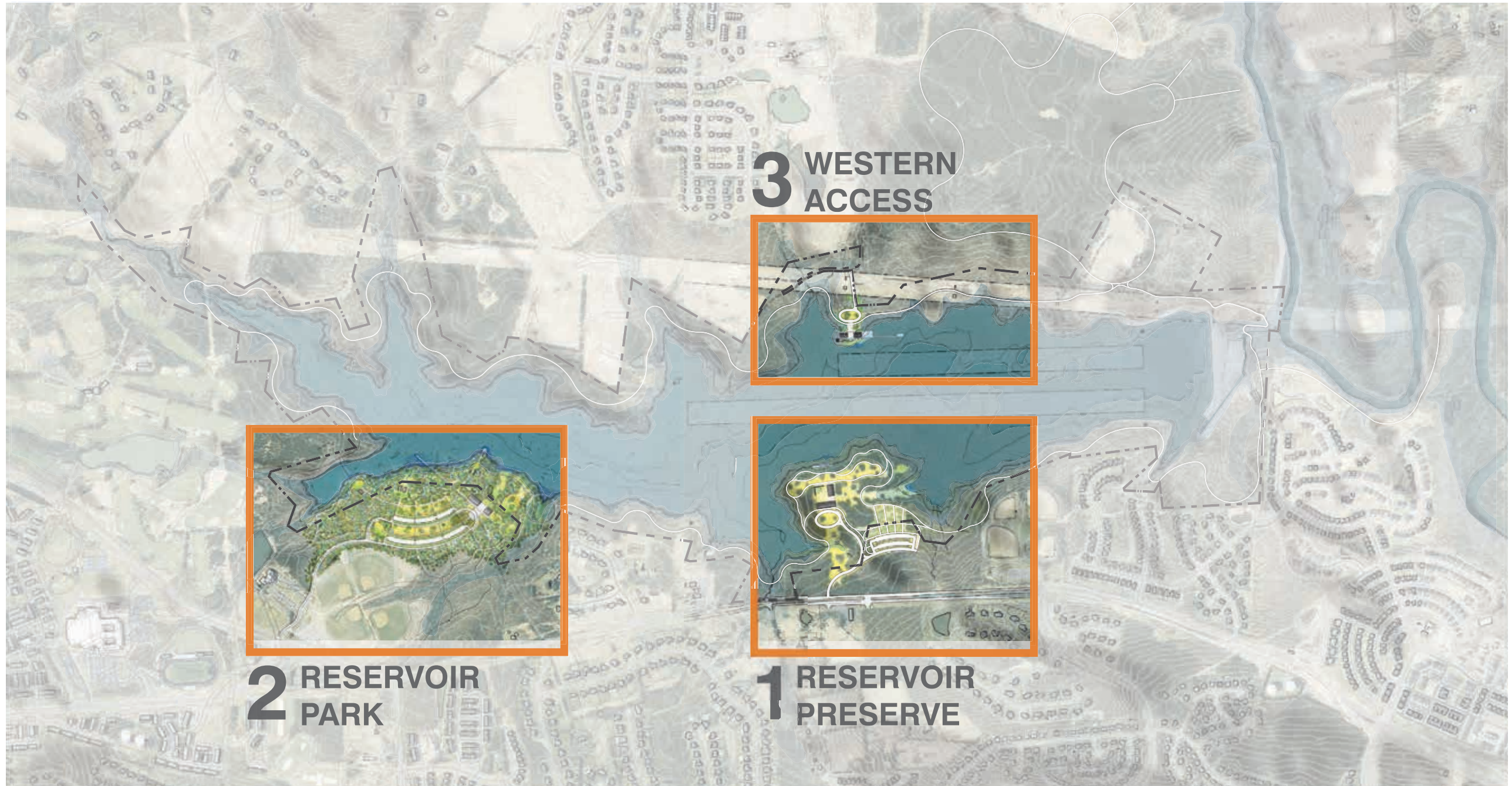
Immersive experience of expanded (more diverse) wetland ecology



Overall Site Plan



Focus Areas



3 WESTERN ACCESS

2 RESERVOIR PARK

1 RESERVOIR PRESERVE

CONCEPT PLAN | Precinct Plans

Reservoir Park

1. Entry gate
Reservoir-focused signage
2. Entry drive & turnarounds
Plowable paved surfaces
3. Parking areas
Permeable surfaces (approximately 300 spaces)
4. Storm water bioretention gardens
5. Parking paths
Major routes from parking
6. Primary spine
Accessible surfaces at major trails
7. Boating path
Access for crew & other boating
8. Reservoir trails
Natural surface, completes proposed Reservoir Circuit Trail
9. Reservoir Pavilion
Interpretation and boat storage
10. Reservoir shelters
100-person capacity (30' x 60')
11. Rental boat operation
(approximately 20' x 30')
12. Water-focused interpretation
Play & informal gathering
13. Reservoir overlook
14. Boardwalks
15. Boating docks
Crew & recreational access
16. Alford Road access
Service road
17. Stream gardens
18. Wetland gardens



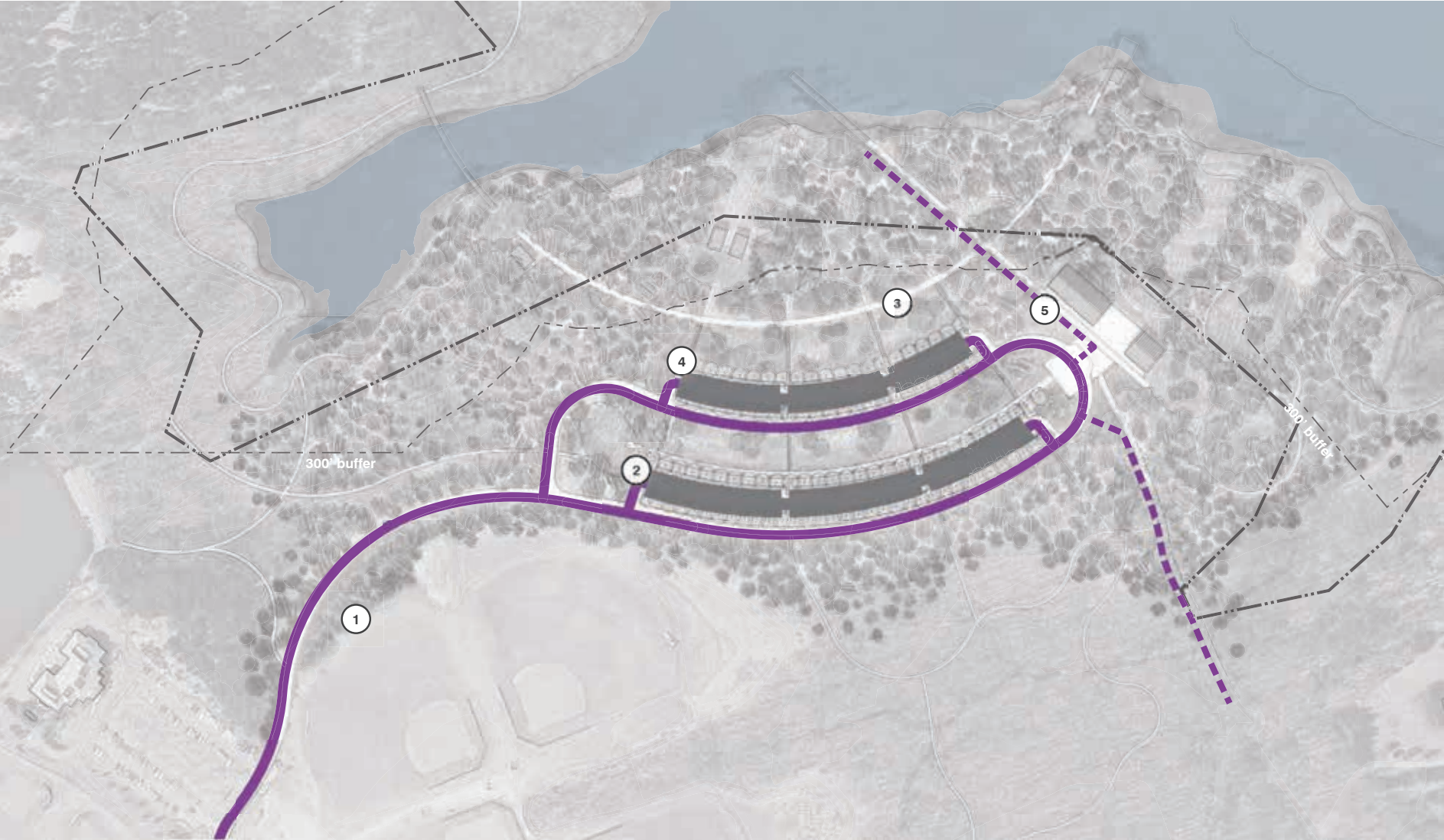


CONCEPT PLAN | Precinct Plans

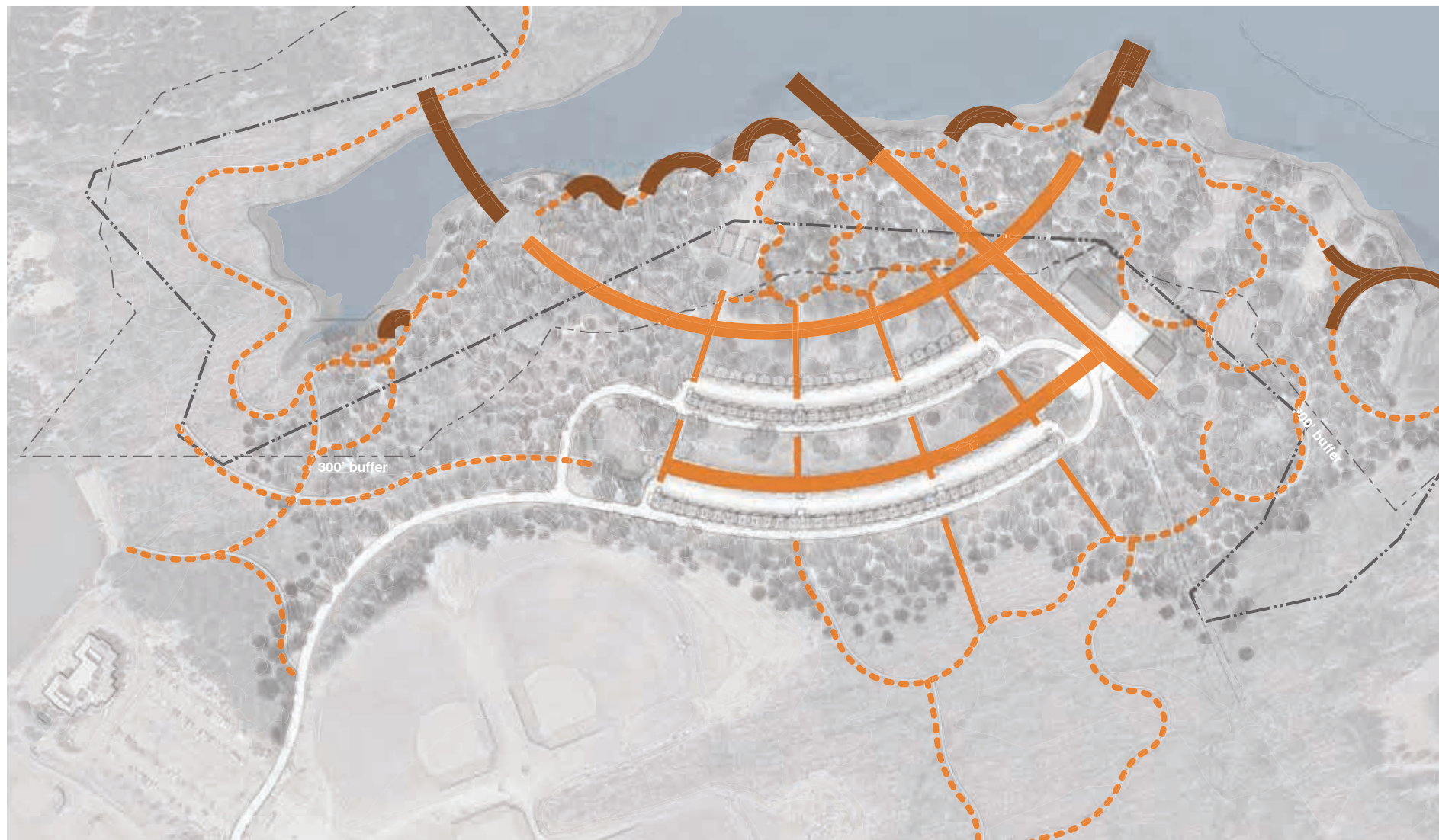
Reservoir Park | Access and Parking

Legend

- Vehicular road
- - - Service road
- Entry path
- Primary path
- - - Multi-use circuit trail
- Hiking trails
- Boardwalks
- Parking



Paths and Trails



CONCEPT PLAN | Precinct Plans

Reservoir Preserve

- 1. Entry gate
Reservoir signage
- 2. Entry drive
View to arrival garden
- 3. Parking & stormwater gardens
Approx 60 spaces
- 4. Arrival garden
- 5. Visitor education center
Gathering lawn
- 6. Woodland lawn
- 7. Wetland garden
Biofiltration & weirs
- 8. Woodland clearing
Preserve existing trees
- 9. Reservoir overlook
- 10. Reservoir boardwalk
Limited water access
- 11. Reservoir trails
Natural surfaces





CONCEPT PLAN | Precinct Plans

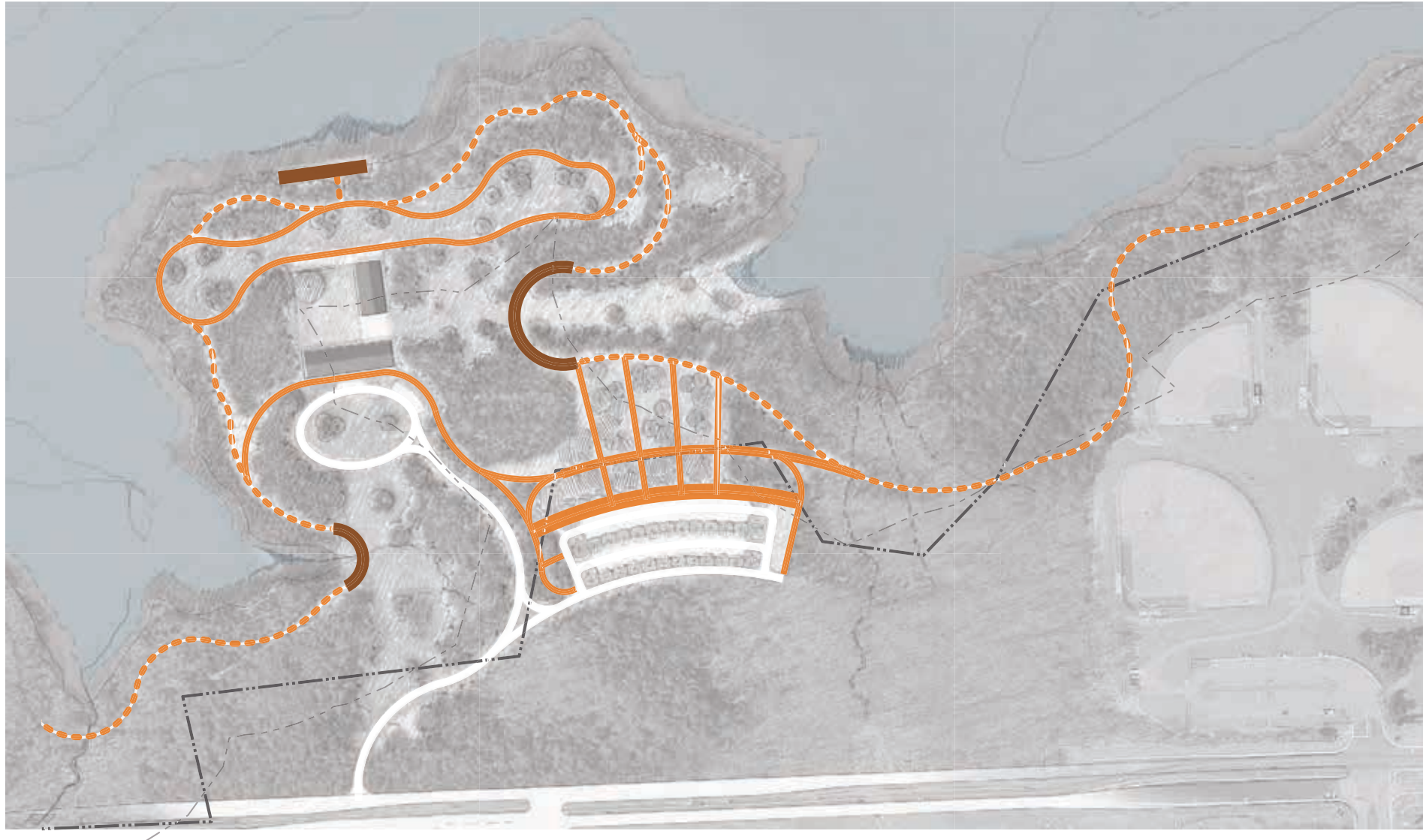
Reservoir Preserve | Entry and Parking

Legend

- Vehicular road
- - - Service road
- Entry path
- Primary path
- - - Multi-use circuit trail
- Hiking trails
- Boardwalks
- Parking



Paths and Trails



CONCEPT PLAN | Precinct Plans

Western Access

1. Entry gate
Reservoir signage

2. Entry road
View to Reservoir

3. Parking & stormwater
gardens
Boat trailers
(approx 6 spaces)

4. Arrival garden

5. Woodland clearing meadow
Warm-season native
grasses at existing utility
easement

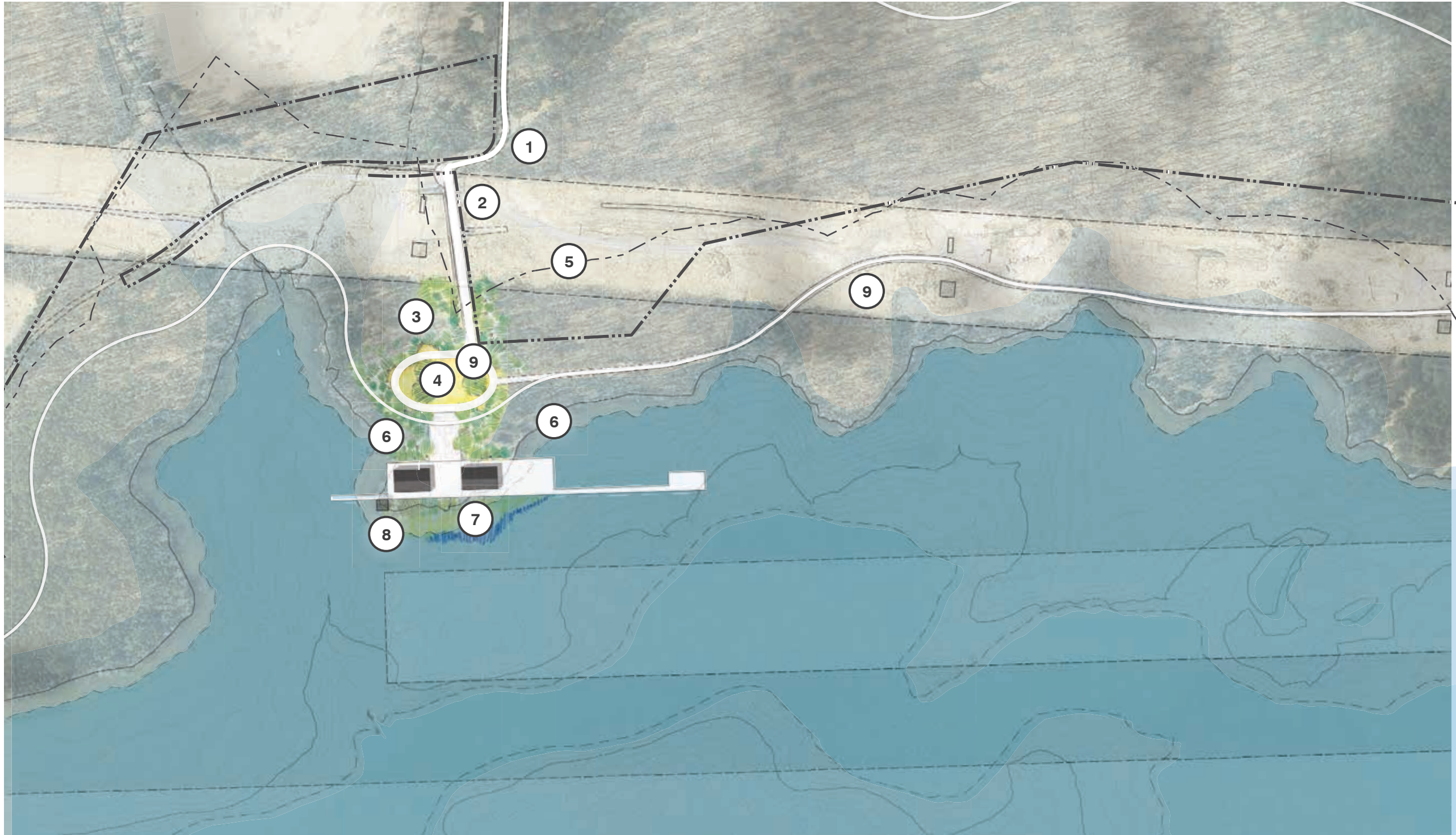
6. Wetland garden
Biofiltration & weirs

7. Boating deck & pavilions
Direct water access
Storage & infrastructure

8. Boating tower
Restricted access

9. Reservoir trails
Natural surfaces



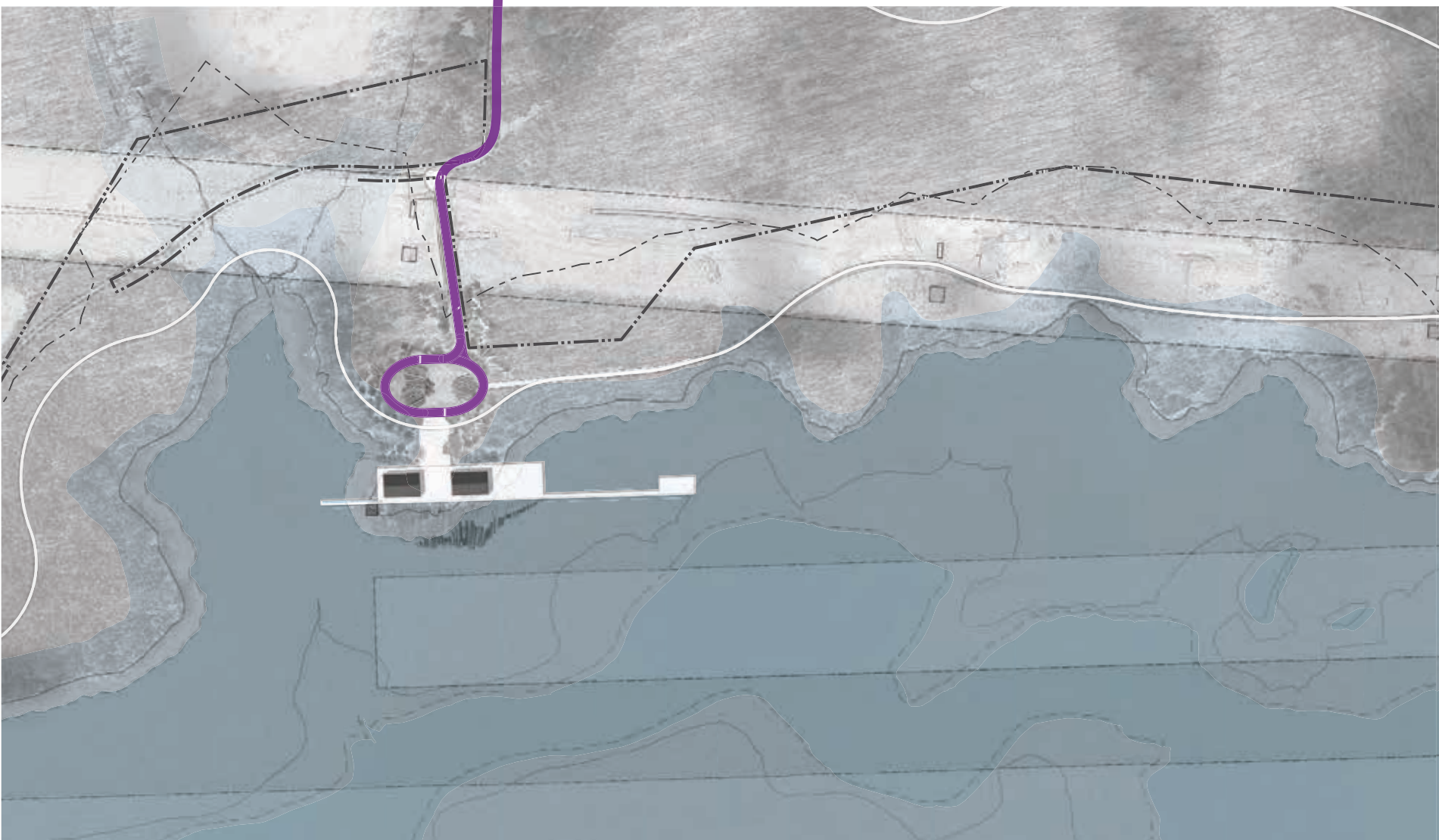


CONCEPT PLAN | Precinct Plans

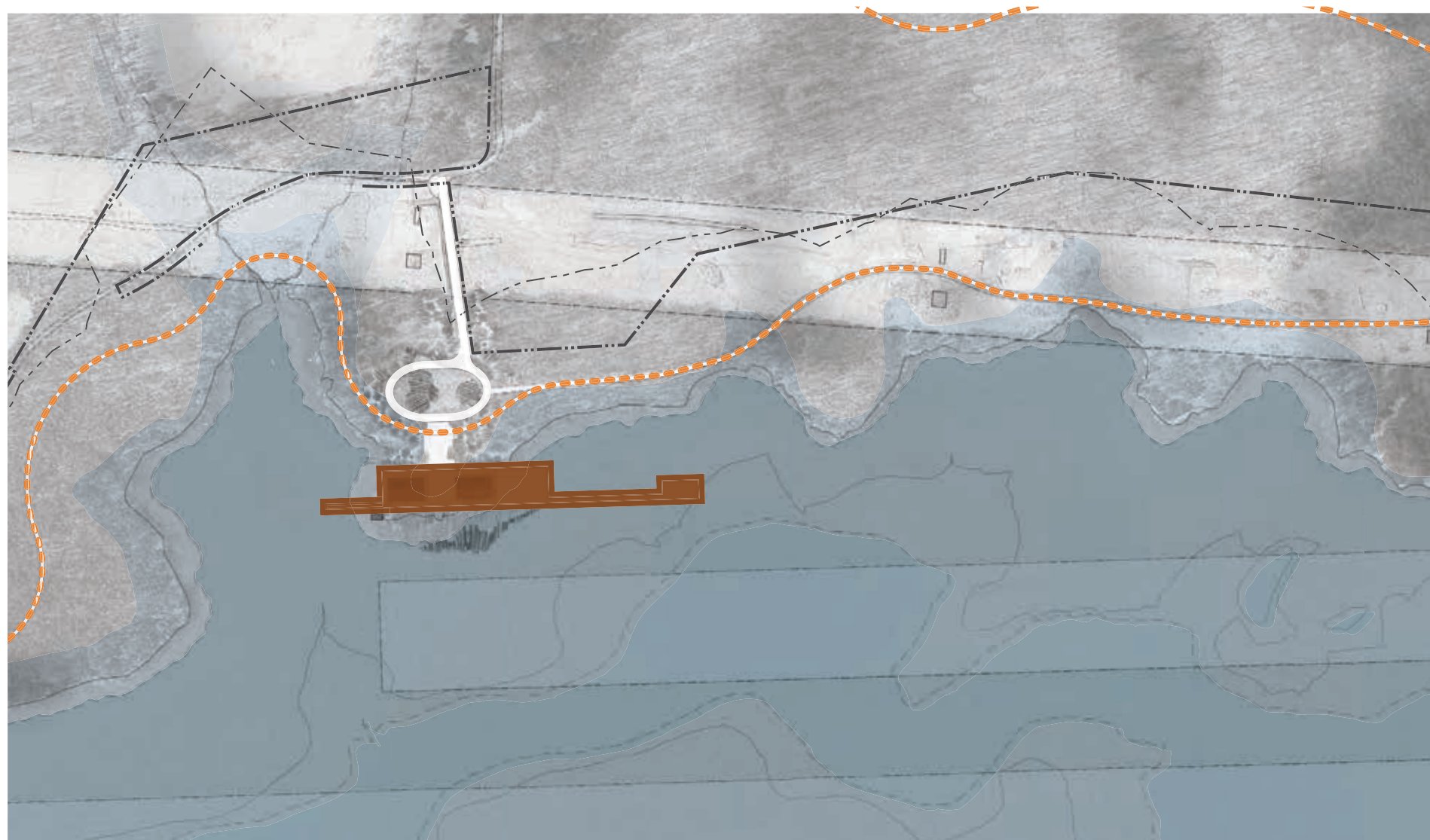
Western Access | Entry and Parking

Legend

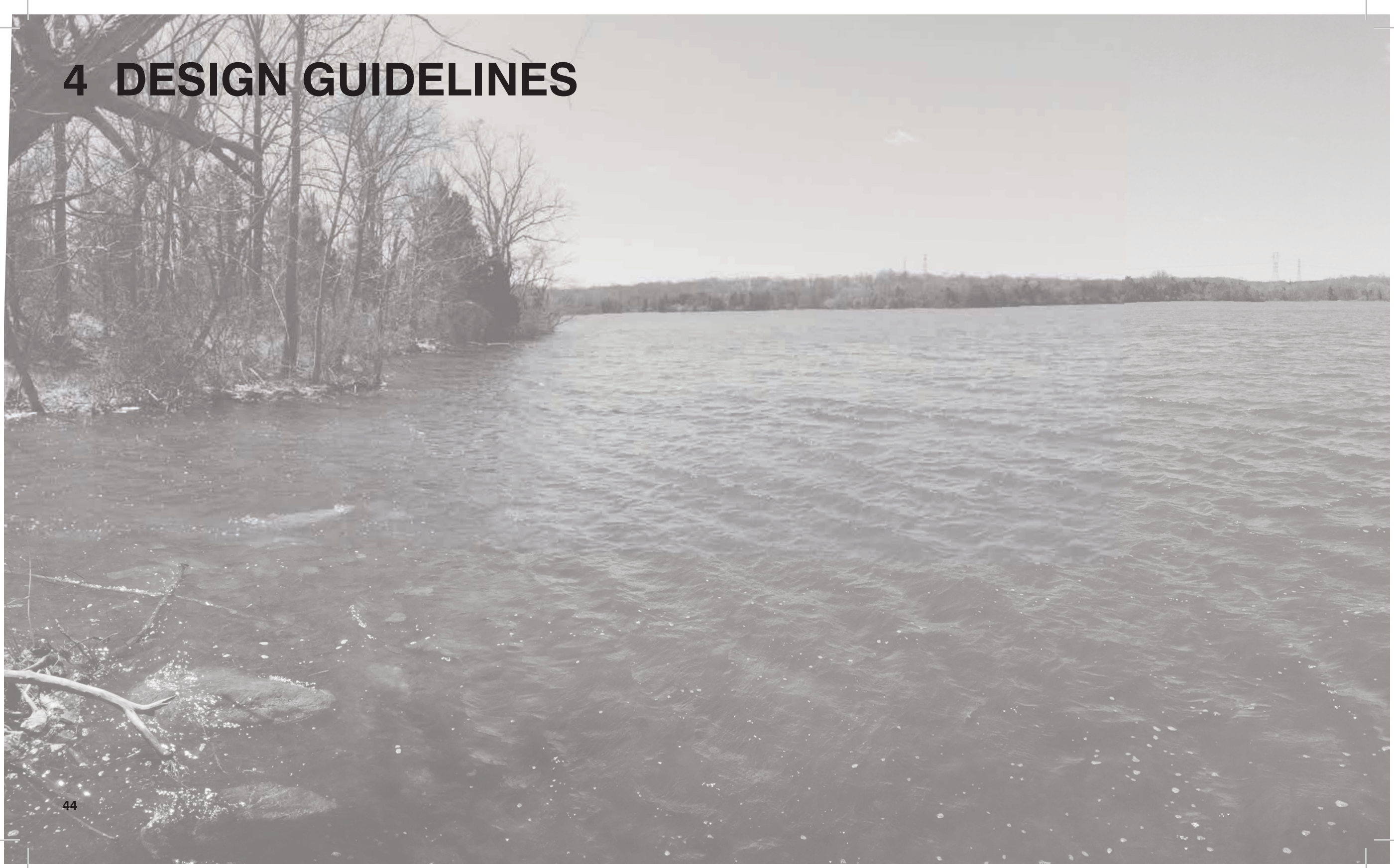
- Vehicular road
- - - Service road
- Entry path
- Primary path
- - - Multi-use circuit trail
- Hiking trails
- Boardwalks
- Parking



Paths and Trails



4 DESIGN GUIDELINES



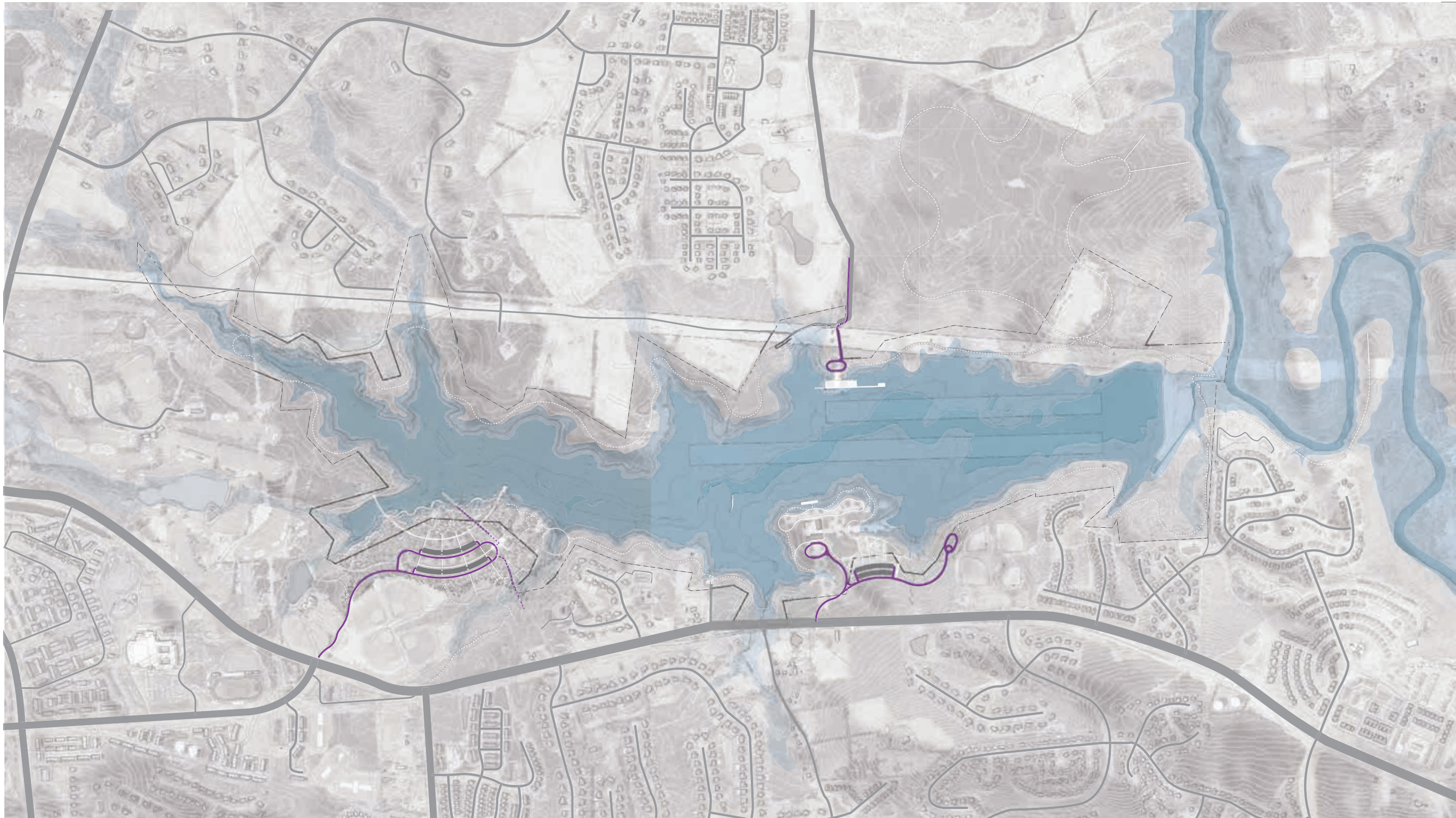


Access and Parking

Legend

- Vehicular road
- Service road
- Entry path
- Primary path
- Multi-use circuit trail
- Hiking trails
- Boardwalks
- Parking





Entry Trails

Connection to Reservoir Park

Major entry trails

The entry trails will be the major links to the park and carry higher volumes of non-vehicular traffic. Typically 16' wide with an asphalt or concrete surface, these paths allow multiple kinds of users to move to the Reservoir Park and beyond.

designed use



Primary Trails

Connection within Reservoir Park

Circuit trails

The primary circulation pathways allow access to the interior of Reservoir Park as well as providing smaller scale connections to adjoining neighborhoods. Typically 12' wide with a crushed stone surface and curb edge these pathways provide an accessible surface for multiple user groups.

designed use



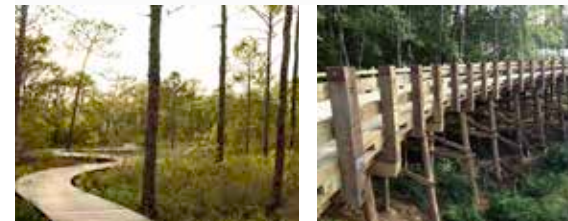
Boardwalk Trails

Destination within Reservoir Park

Boardwalks

The Boating Arc Trail is an additional orienting and structuring device of the Reservoir Park. It is typically 12' wide, crushed stone surface and has no edging in order to minimize impact on adjacent ecologies. Timber frame bridges, boardwalks, and overlooks span stream crossings and reservoir edge.

designed use



Hiking Trails

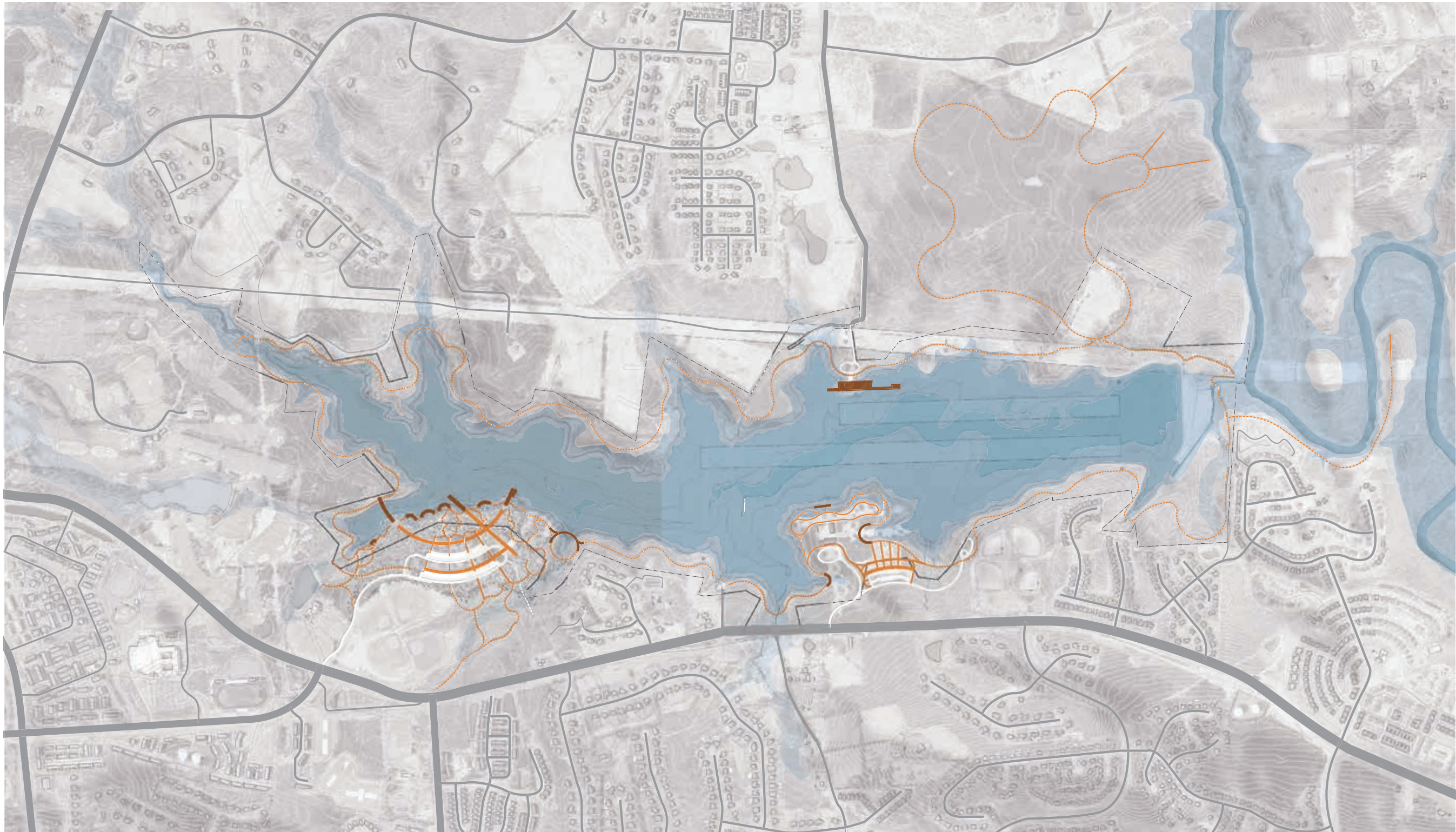
Circuit around the Reservoir

Hiking trails

The hiking trails are primarily located within the riparian portion of the park. These trails will not allow mountain bikes and will provide access to scenic elements of the riparian forest and barrancos. These paths will be natural surface trails typically 2'-3' wide allowing for a more rugged experience within the park.

designed use





DESIGN GUIDELINES | Beaverdam Reservoir

Overlooks

Overlooks around the reservoir could take on a myriad of forms. Some should be terrestrially based while others should float above the water surface. Overlooks should have varying experiences: from close-up wetland and cove views, to long, down-water views. Where possible, overlooks should be constructed from material from the site (stone, site harvested timber) and should be built no more than 30" above grade to minimize the need for handrails that could block views.



Shelters and Pavilions

Structures should be as 'light on the land' and sited to minimize site grading and clearing, using materials that, if not harvested from the site, blend in to the existing character of the site. This could include natural timbers, weathering steel, or stone. Structures should emphasize water collection and, ultimately, diversion or flow to the reservoir. These could employ rain chains instead of downspouts, splash zones instead of gutters, or downspout discharge areas that emphasize and articulate the presence of water runoff.



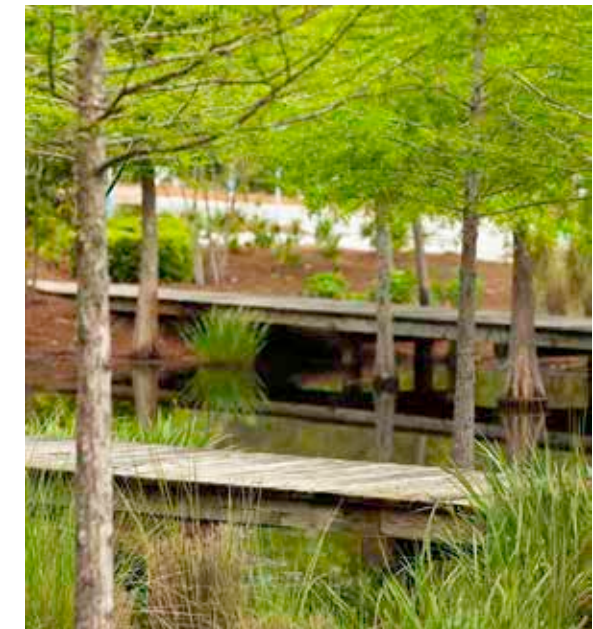
Water-based Play

Play areas and facilities adjacent to the reservoir should reinforce the narrative of water as a resource, thus highlighting the mission of Loudoun Water. Such areas encourage play that is as educational as it is fun. Natural ground surfaces (mulch or stone) are safe for falls. Structures are not brightly painted and remain visual "background" in the surrounding forest. The playground should be sited to remove as few trees as possible and retain as much shade as possible without requiring new planting.



Storm Water Gardens

Storm water gardens help filter surface water runoff and enhance the amount native, hydric plant species on site. In addition to filtering water and removing phosphorous, storm water gardens provide habitat for pollinators and small mammals and amphibians. These gardens are typically adjacent to pedestrian through-ways and take advantage of existing slopes and drainage ways to minimize the need for clearing and grading.



Edge Ecologies

Reshaping the reservoir edges should focus on increasing native wetland vegetation to support indigenous mammals and amphibians. Wetland banks are graded to promote a wider range of hydric plant types than currently exist at the reservoir.

Invasive plants are managed around more highly developed areas during and after construction, and at select edges of the water to minimize spreading.



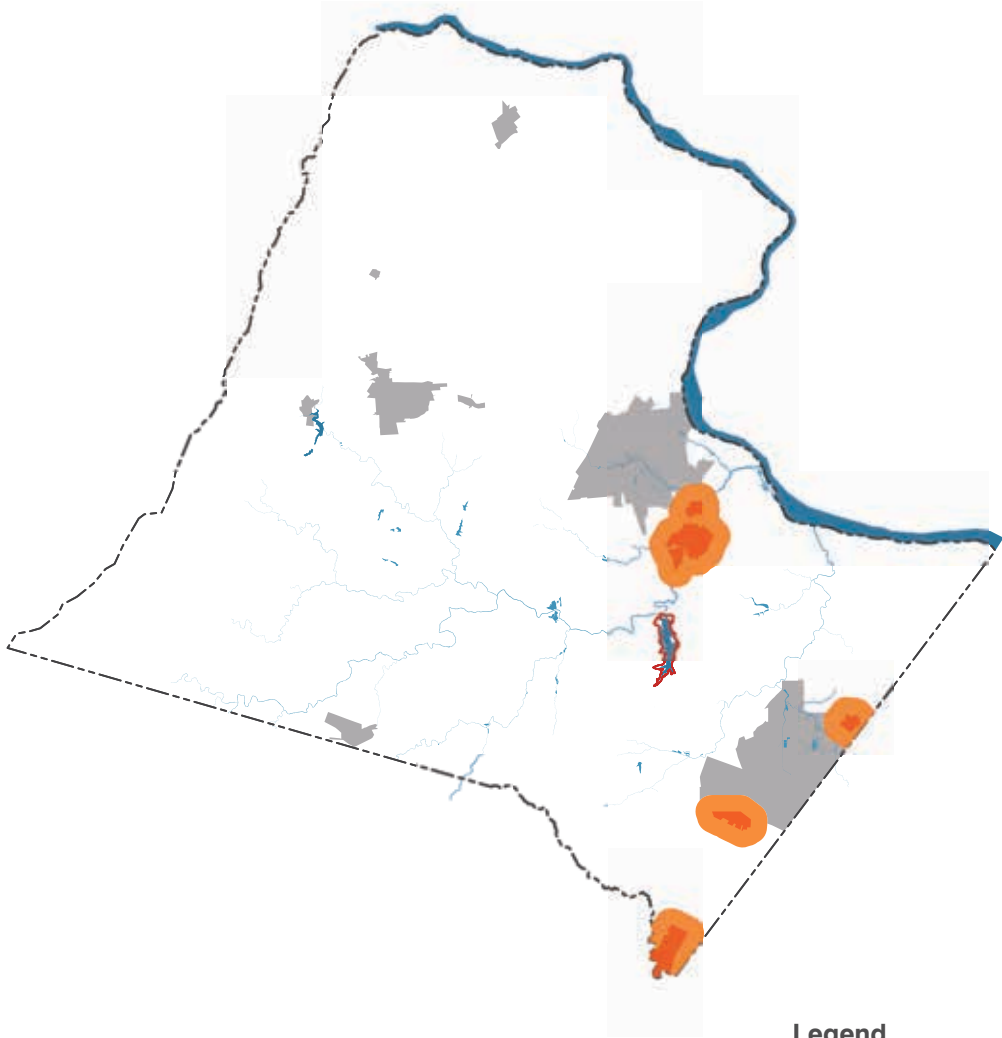
A1 APPENDIX | SITE DISCOVERY





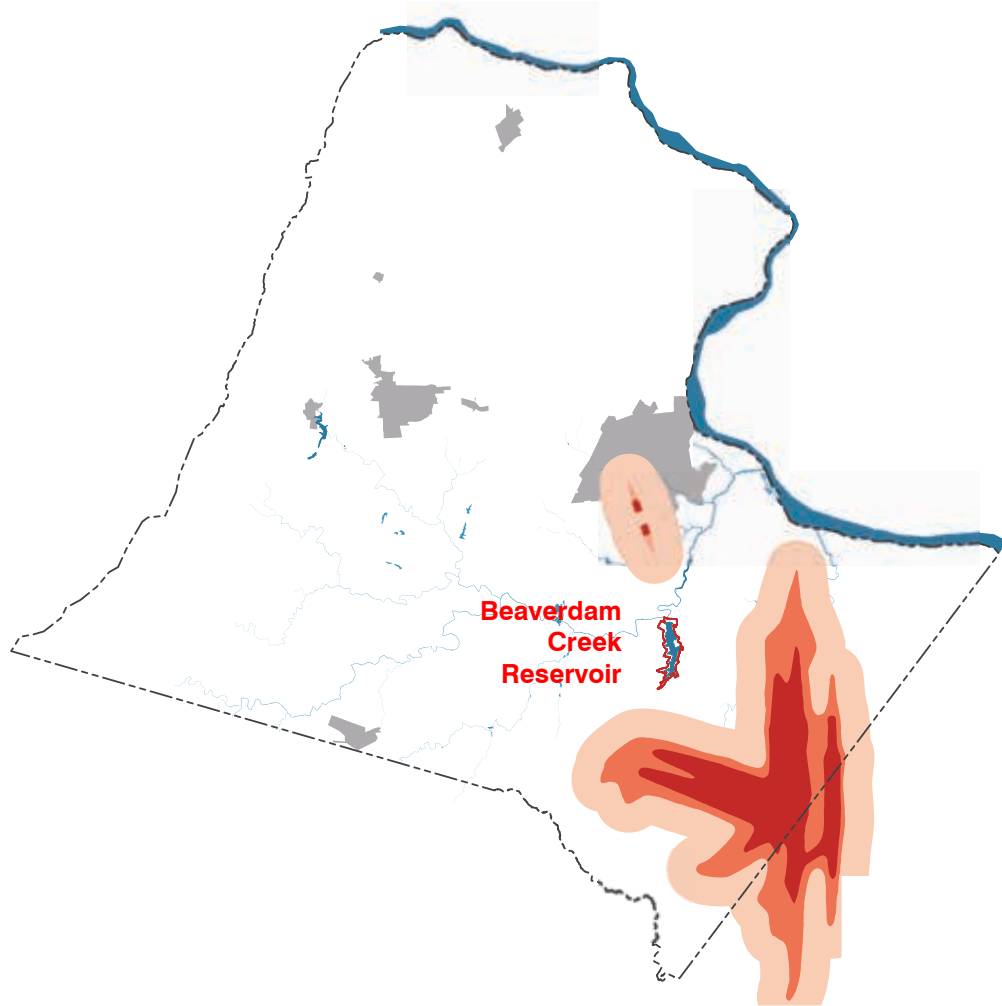
SITE DISCOVERY | County Inventory and Analysis

QUARRY IMPACT



Legend
 Quarry impact zone
 Quarry limit

AIRPORTS ATTRACT & IMPACT

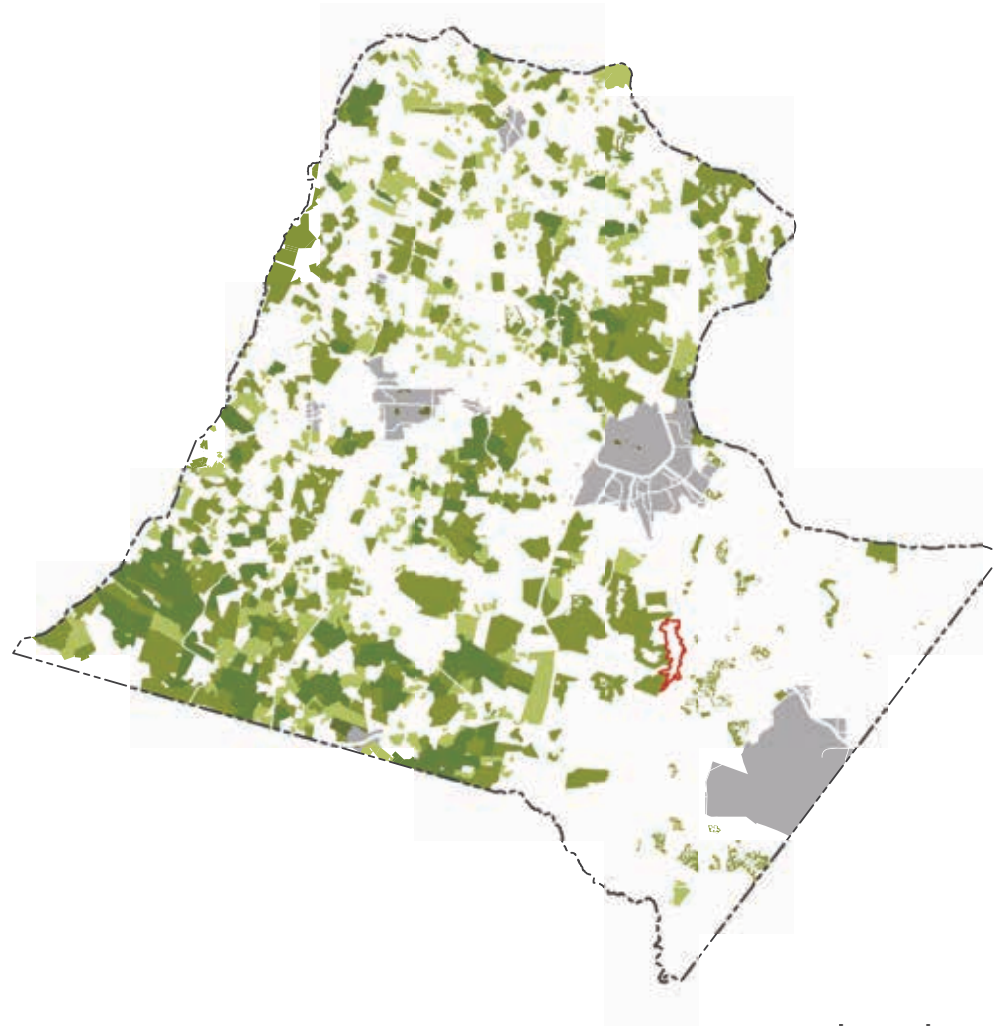


Beaverdam Creek Reservoir is proximate and between two major sources airports:
 • Dulles Airport
 • Leesburg Executive Airport




Following the dedication of Dulles Airport in 1982, the county has seen rapid expansion and is one of the fastest growing counties in Northern Virginia.

Legend
 Highest sound impact
 Medium impact
 Low impact

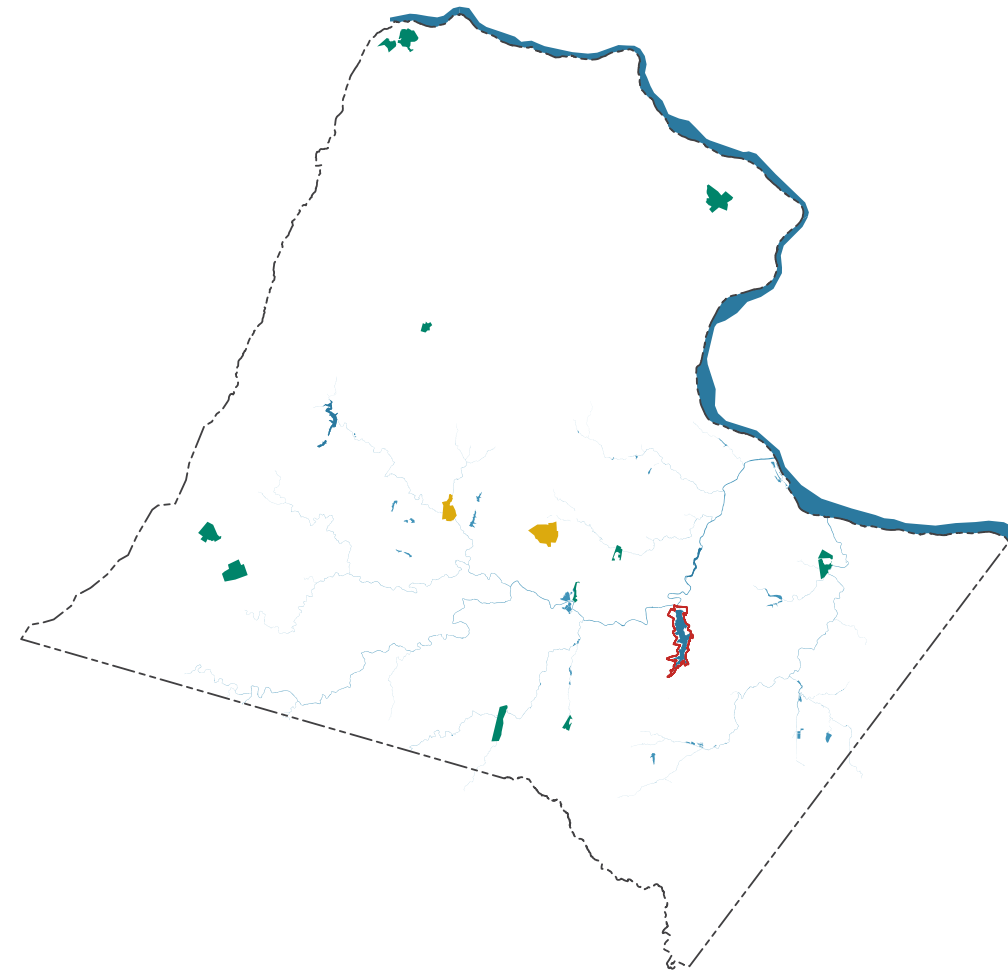
AGRICULTURE & EASEMENTS





Legend

-  Conservation easements
-  Agricultural districts in conservation
-  Agricultural districts

WETLAND BANKS

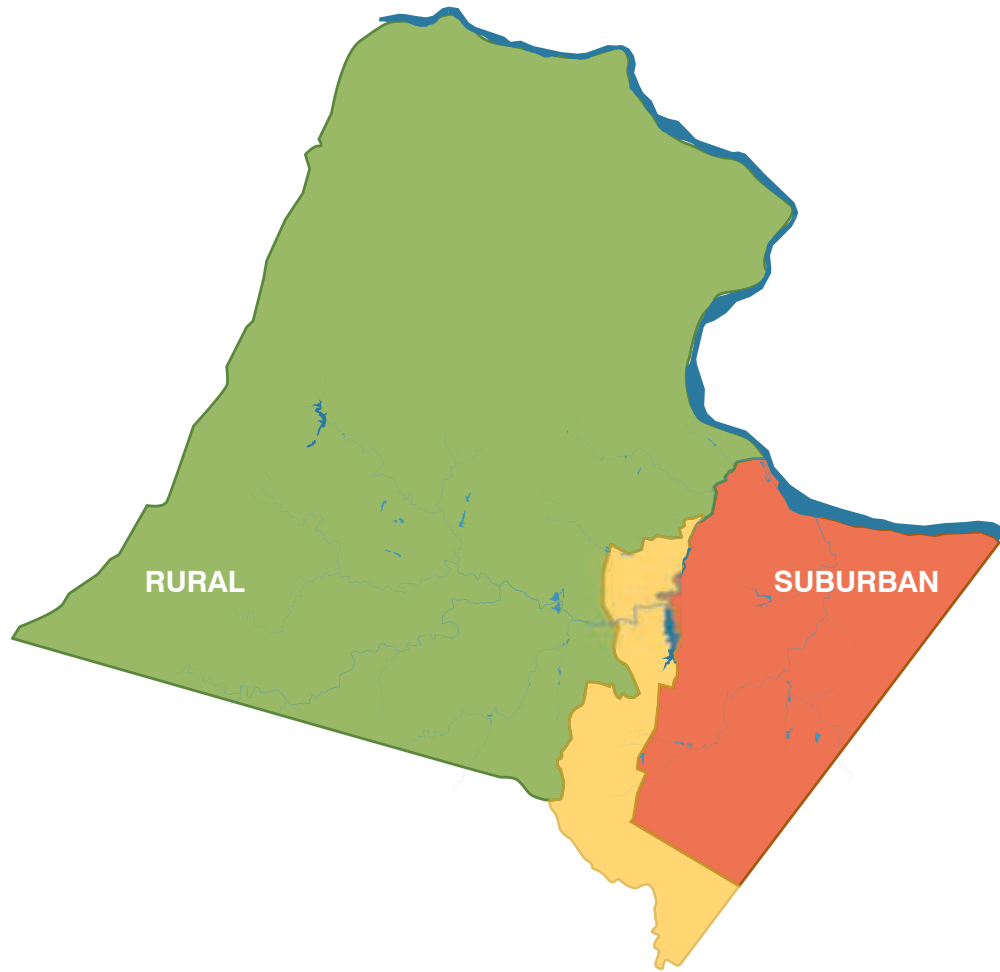


Legend

-  Wetland banks
-  Proposed wetland banks

SITE DISCOVERY | County Inventory and Analysis

POLICY ZONES TRANSITION ZONE FOCUS



Loudoun County has been rapidly expanding from the east adjacent to Fairfax County and Dulles Airport. The county is known as a major DC suburb, with strong connections to its agricultural and rural heritage.

The division of suburban growth and agricultural interests is

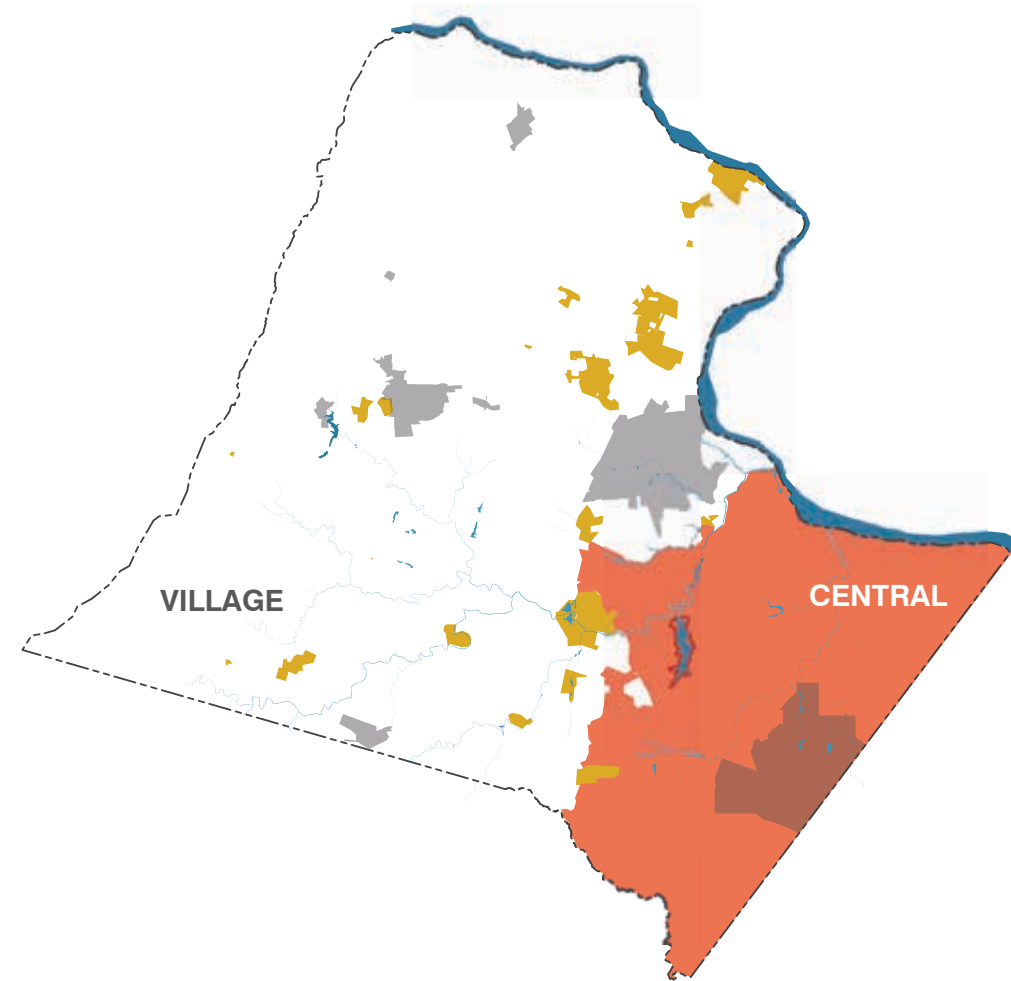
underscored by Policy Areas that divide the county along north-south lines, closely approximated by Route 15 and Belmont Ridge Road:

- Suburban
- Transitional
- Rural

Legend

- Policy Area - Suburban
- Policy Area - Rural
- Policy Area - Transitional

WATER UTILITY SERVICE AREAS



Loudoun Water provides water to approximately 230,000 residents of Loudoun County from two primary sources: Goose Creek and the Potomac River.

Reservoirs in Maryland, West Virginia, and Virginia augment the Potomac River through shared supply agreements. Goose Creek receives water from Beaverdam Creek Reservoir and Goose Creek

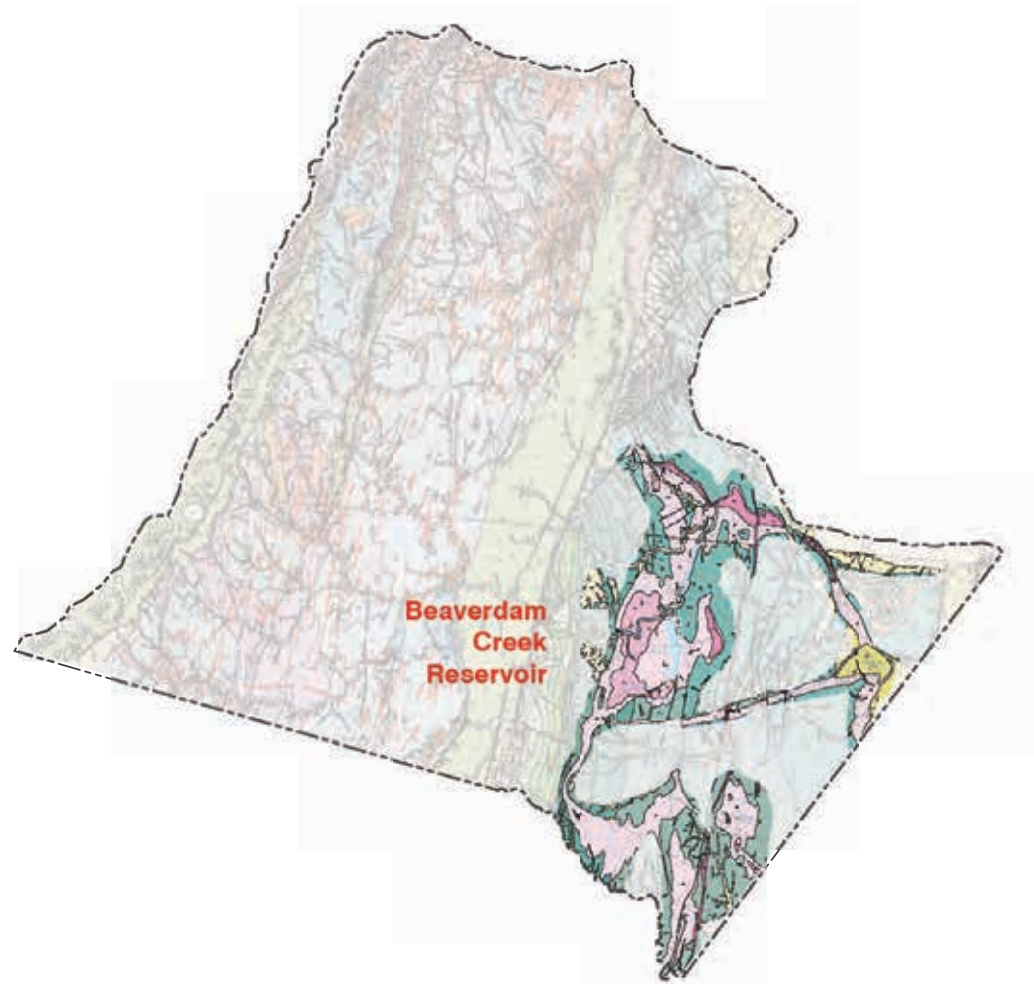
Reservoir. Beaverdam Reservoir fills Goose Creek Reservoir when water levels get low and vice versa.

As of January 2014, Loudoun Water treats drinking water from Goose Creek. Loudoun Water purchased Goose Creek Water Treatment Facility from Fairfax in 2014 and completed numerous upgrades to ensure the quality of water provided to customers.

Legend

- Central service area
- Village service areas

GEOLOGIC SEAM DIABASE DIKES

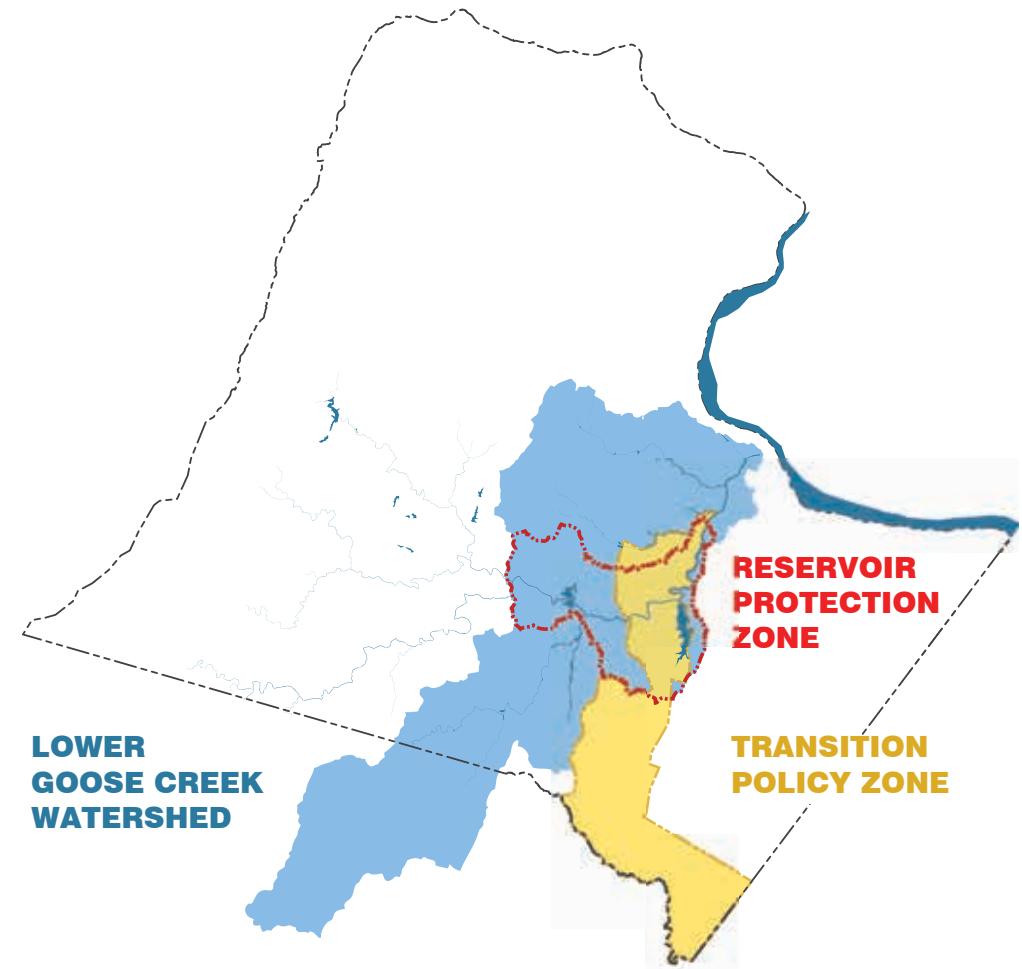


Characteristic geology of land adjacent to the reservoir includes a seam of narrow dikes and differentiated sheets of high-titanium, quartz-normative tholeiitic diabase.

Dikes vary from several feet to more than 500 feet wide and sheets exceed 2,000 feet in thickness. Diabase - also known as "trap rock" - is used as crushed stone and as

ornamental stone. It has been used as a building stone, for landscaping and to erect dry-stone farm walls.

RESERVOIR IN TRANSITION WATER UTILITY CENTRAL TO COMMUNITY



Beaverdam Creek Reservoir is uniquely positioned to help redefine policy boundaries with a hydrologic focus to be a new water-focused policy area that could connect adjacent ecological areas of the state and region.

The estimated 1,000 miles of perennial streams

in Loudoun County drain directly or indirectly into the Potomac River and ultimately into the Chesapeake Bay.

The county helps collect information on streamflow as part of its Water Resources Monitoring Program.

Reservoir Protection Zones are areas defined

in the Facilities Standards Manual (FSM) that are required to follow additional regulations and development standards to ensure the integrity of public drinking water sources. The data are to be used as tools in the development review and planning phases.

SITE ANALYSIS | Amplify Character

Regional References

Related projects by NBW help inform future Park character and establish a framework for guiding development and use at the Reservoir.



WaterColor, Santa Rosa (FL)



Summit Scouting Reserve (WV)



The Dell, University of Virginia (VA)



Duke Water Reclamation Pond (NC)

Ecological Strategies

LOW-IMPACT | NO WATER ACCESS



Habitat program for low-impact and no direct access to water from land:

1. Filtering wetlands introduced as buffer to keep feet off of the shoreline, and as the focus of educational opportunities and passive recreation opportunities such as bird-watching and walking.

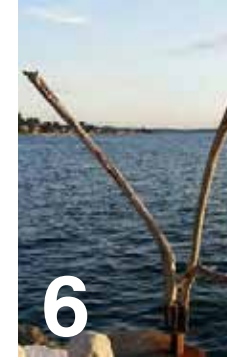
2. Boardwalks become habitat enhancements in their own right, functioning to:

- provide concealment habitat for game fish and fish prey
- provide nursery habitat for small fish

3. Standing snags would also be appropriate in this precinct:

- perch sites and nesting habitat for birds of prey, wading birds, bats, insects
- partially submerged, nursery habitat for small fish
- stalking habitat for wading birds

LOW-IMPACT | ACTIVE RECREATION



Habitat program for active recreation - fishing, paddling, rowing, hiking, yoga - and introduce habitat amendments to increase wildlife diversity:

4. Submerged or partially submerged coarse woody debris, brush piles, stake beds:

- concealment habitat for game fish and fish prey
- basking sites for reptiles
- perching, stalking habitat for birds

5. Rocks:

- concealment for game fish and fish prey
- attractive for crustaceans, mollusks, amphibians
- breakwaters

6. Standing snags:

- perch sites and nesting habitat for birds of prey, wading birds, bats, insects
- when partially submerged provides nursery habitat for small fish

7. Aquatic emergent vegetation:

- nursery habitat for fish
- stalking habitat for wading birds
- feeding & nesting for diverse waterfowl & songbird species
- habitat for dragonflies pollinators
- food & sheltering habitat for aquatic mammals such as beaver, muskrat, otter, mink

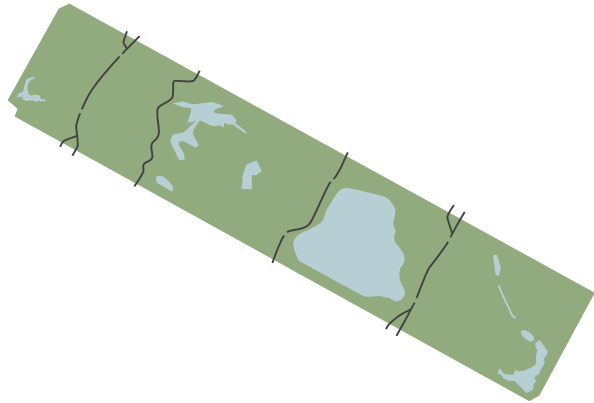
SITE ANALYSIS | Scale Comparison

Public Works as Public Space

Comparing related park and natural areas to Beaverdam Creek Reservoir suggests the range of program and access types that are possible at such a large body of water.

CENTRAL PARK
NEW YORK NY

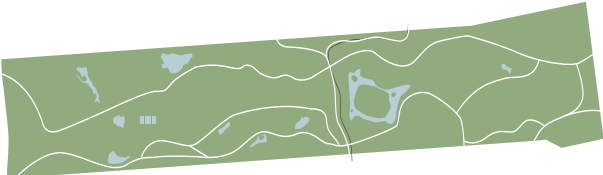
Constructed reservoir as civic amenity and vital city resource



Turtle Pond

GOLDEN GATE PARK
SAN FRANCISCO CA

Trails link a series of small constructed reservoirs.



Botanical Garden Trail

GREAT FALLS PARK
GREAT FALLS VA

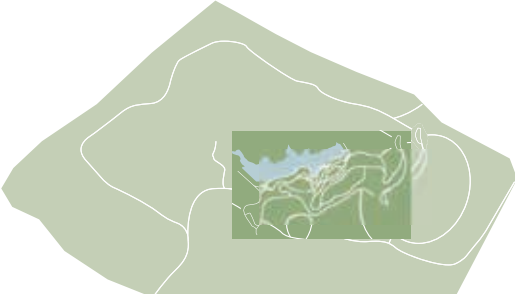
Intimate and expansive experiences along trail network that includes broad range of relationships to the river.



Billy Goat Trail

**THE SUMMIT BECHTEL SCOUTING RESERVE
GLEN JEAN WV**

Wetland edges of primary lake that serves as water resource for thousands of acres of camp development.



Amphitheater during Jamboree

**DUKE WATER RECLAMATION POND
DURHAM NC**

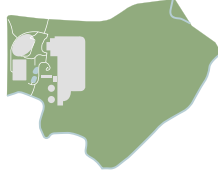
Low-impact opportunities for viewing that encourage education and limit access to water storage.



Overlook at forebay

**LOUDOUN WATER AQUARIY
LOUDOUN COUNTY VA**

Constructed stormwater catchment as educational landscape



Scupper wall

SITE ANALYSIS | Reservoir Site Inventory

Identity and Access

New public access to the Reservoir might priorities for the .



EXISTING ACCESS OPPORTUNITIES & CONSTRAINTS

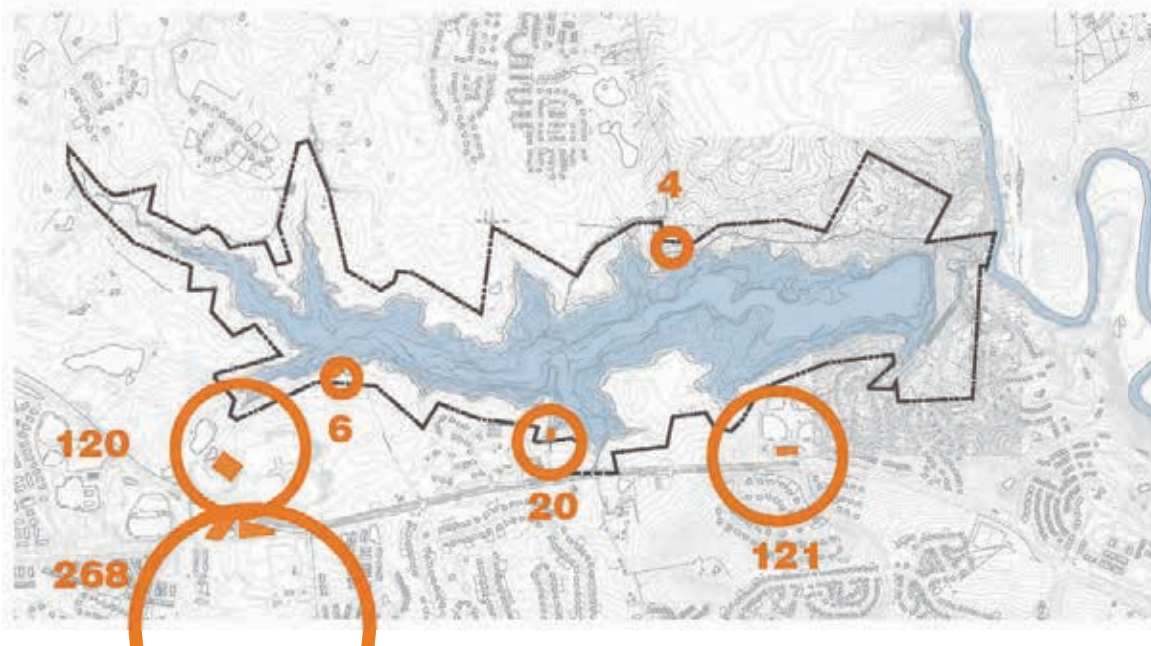


1. The primary access point adjacent to Mount Hope Church conflates the Reservoir and Church identities and parking areas.
2. Access at Alford Road is challenging due to limited visibility and a steep shoulder.
3. The access road from Evergreen Mills Road is long, winding, and narrow.

Visitors drive past several housing developments and private lots, which confuses the Reservoir identity.

4. Informal access from Beaverdam Drive uses neighborhood and utility maintenance roads and is not desirable for future public access.

EXISTING PARKING CAPACITY



Existing parking lots within LWA parcels and adjacent to Beaverdam Creek Reservoir:

- Total spaces on-site: 30
- Total spaces adjacent: 389

Expanding parking at adjacent parcels could remove pressure from development at Reservoir edges.

EXISTING TRAILS INCOMPLETE CIRCUIT

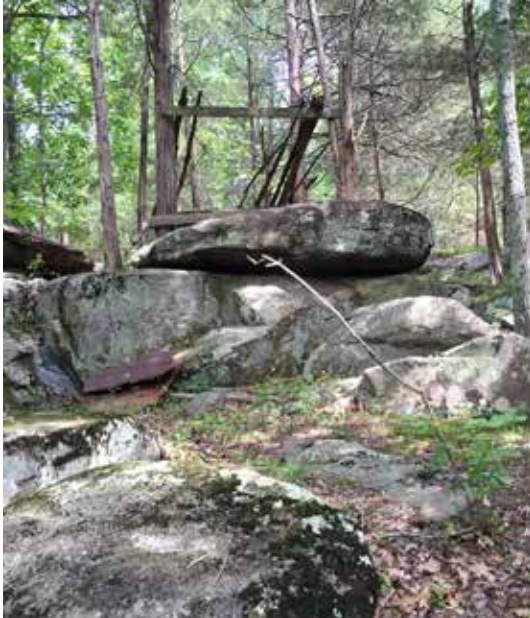


The Beaverdam Creek Trail is recognized locally and used by many hikers. Limiting access to the dam would be important for expanding the trail network.

Trails mapped by NBW and from data at AllTrails.com.



Landscape Structure



PROSPECT RIDGES LINK VISITORS TO VIEWS



Terrain in and around the Reservoir is characterized by broad, flat peninsulas and low-lying ground mostly accessible on foot.

STEEP SLOPES CONNECTIONS TO CREEK

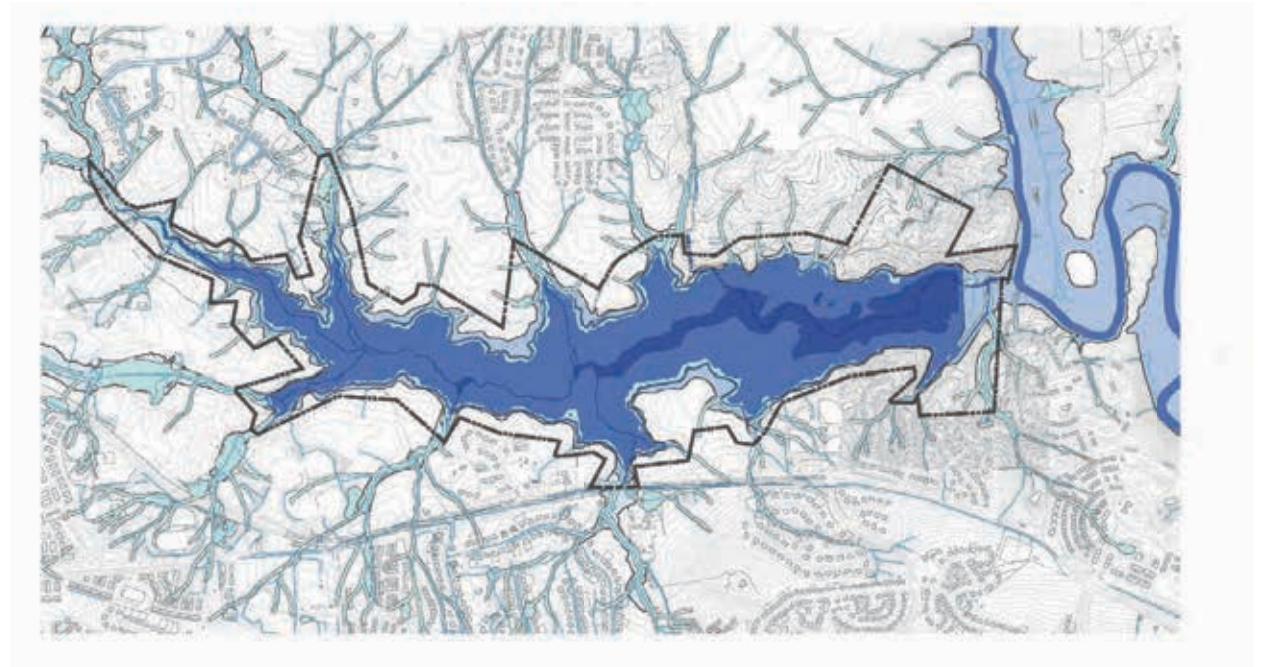


Terrain in and around the Reservoir is characterized by broad, flat peninsulas and low-lying ground mostly accessible on foot.

Legend

- Steep slopes (>15%)

SUBTLE FLUCTUATIONS REVEAL SWEEPING FLATS



Water levels at the Reservoir fluctuate mildly except during construction or dam maintenance projects when the Reservoir is drained to 25-feet below operating level.

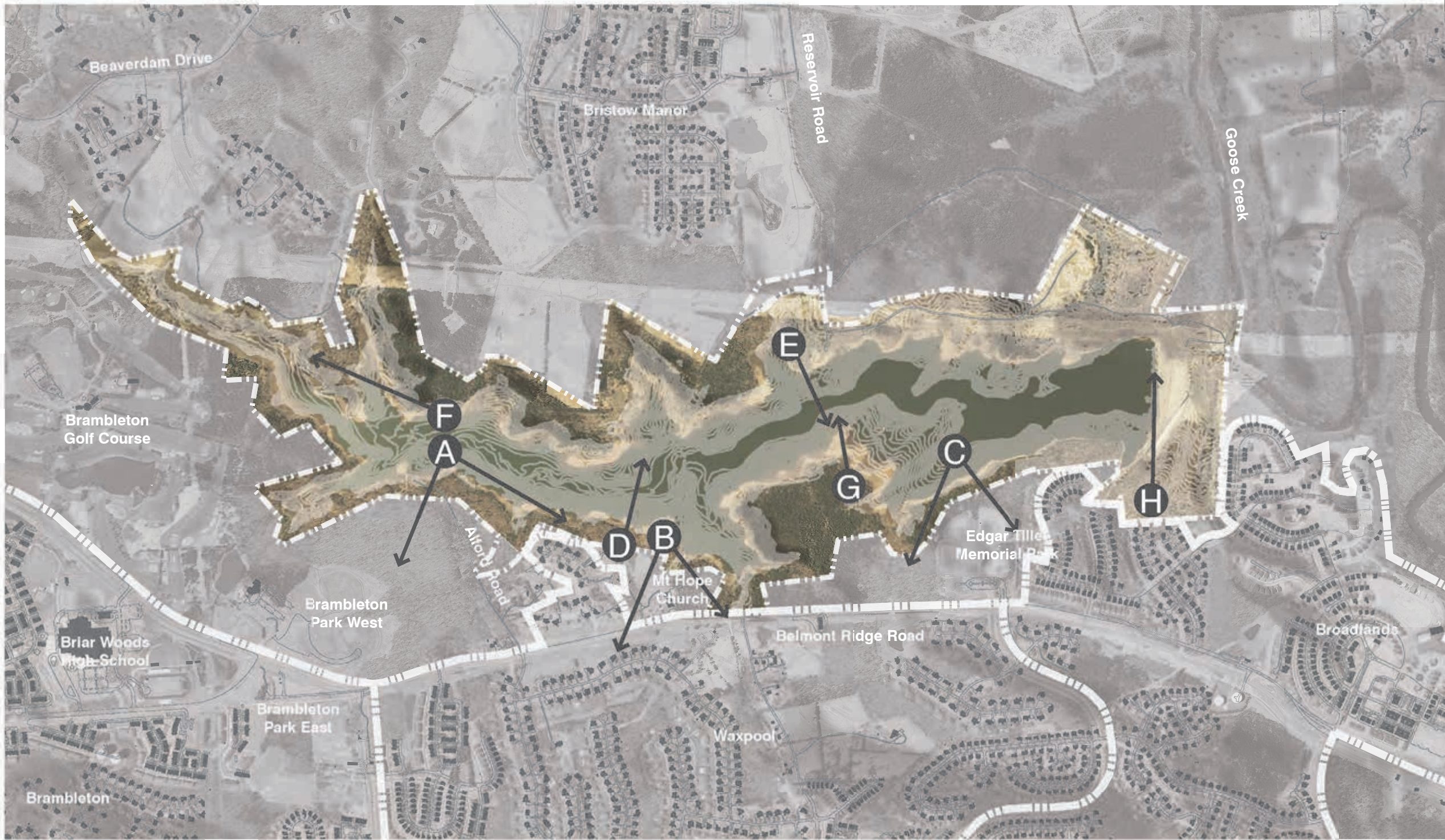
Legend

- Goose Creek
- Former Beaverdam Creek
- Reservoir Typical Water Level
- Reservoir Low Water (Maintenance)
- Reservoir High Water (Operation)
- County Wetlands
- County Drainageways
- FEMA Base Flood Elevations
- FEMA 500-year Flood Elevations

SITE INVENTORY | Existing Reservoir Character

Existing features



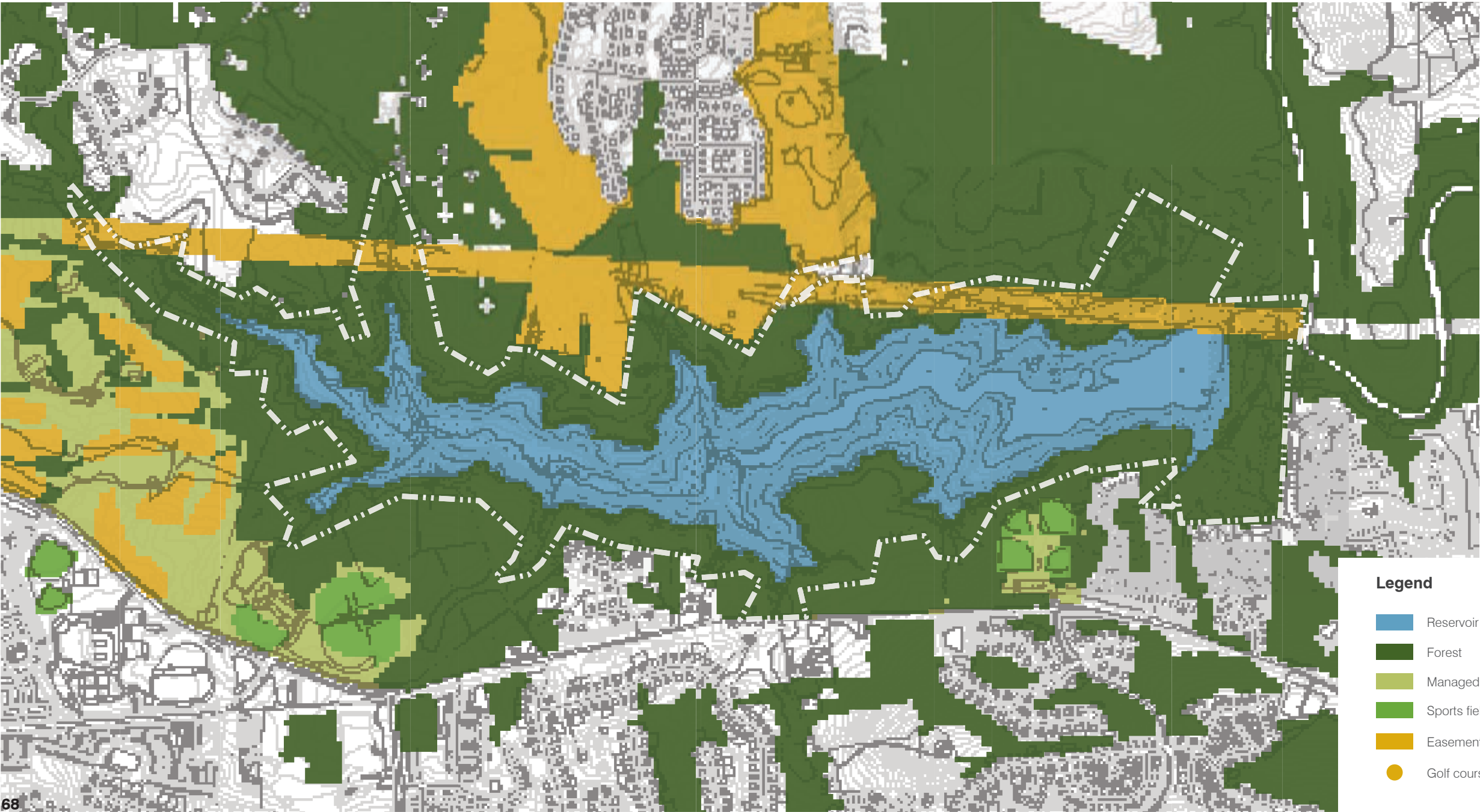


1" = 1000'

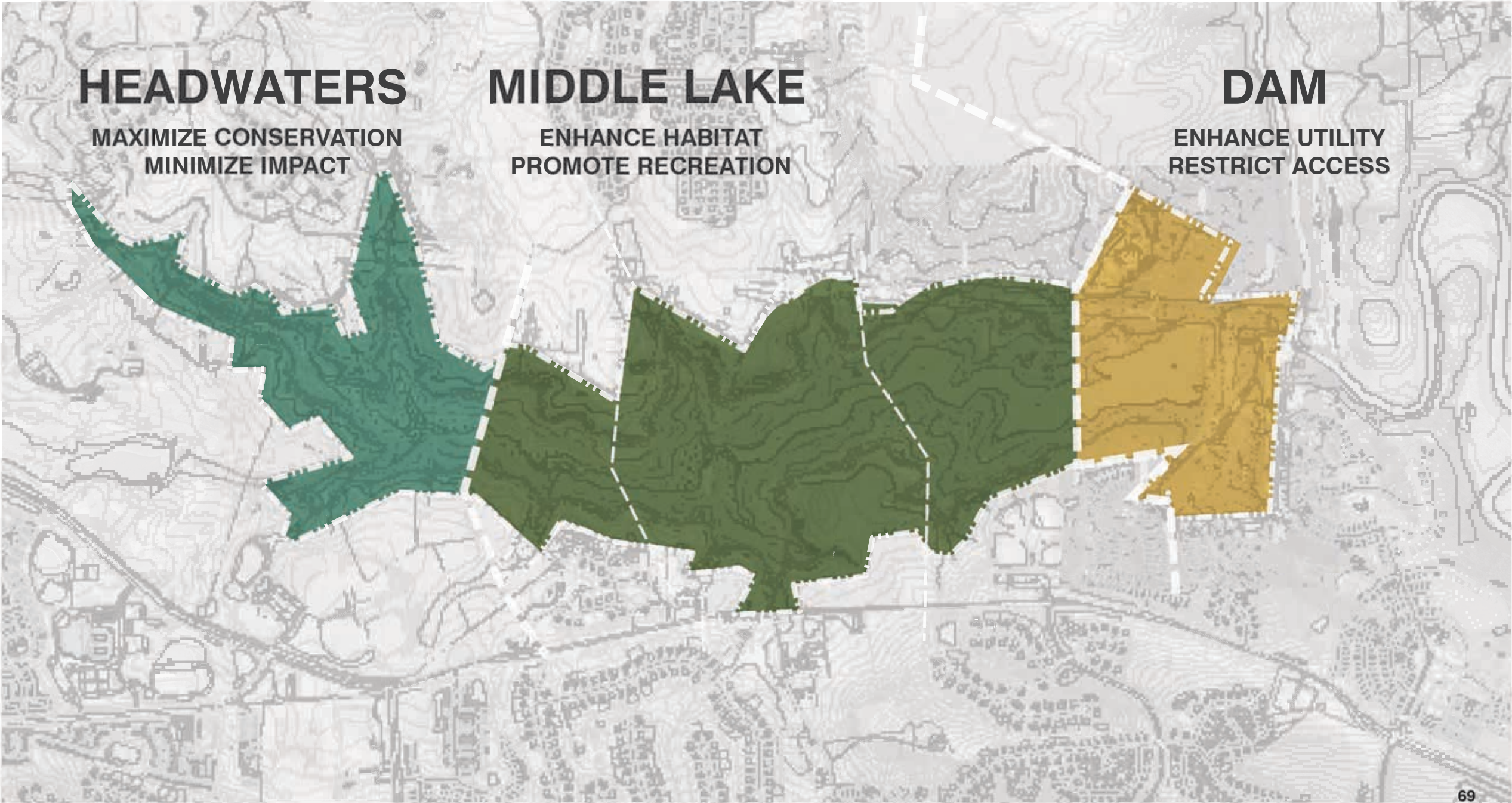
0' 500' 1000' 2000'



Existing Features



Existing Water Use Areas



SITE INVENTORY | Reservoir Site Inventory

Existing Crew Access

Observations

Current crew access is informal and unstructured. Access will be maintained for use of Reservoir as practice facility. No current intention by Loudoun Water or NOVA Parks to host formal crew races or events at the Reservoir.



A2 APPENDIX | DESIGN WORKSHOP





DESIGN WORKSHOP | Beaverdam Reservoir Concept Plan

Character Precedent Review

VEHICULAR ACCESS AND PARKING



THRESHOLDS / PUBLIC EDGE



INTERPRETATION / EXHIBITS



SHORELINE EDGE / WATER ACCESS



PEDESTRIAN CIRCULATION



GATHERING SPACES AND SPECIAL PLACES

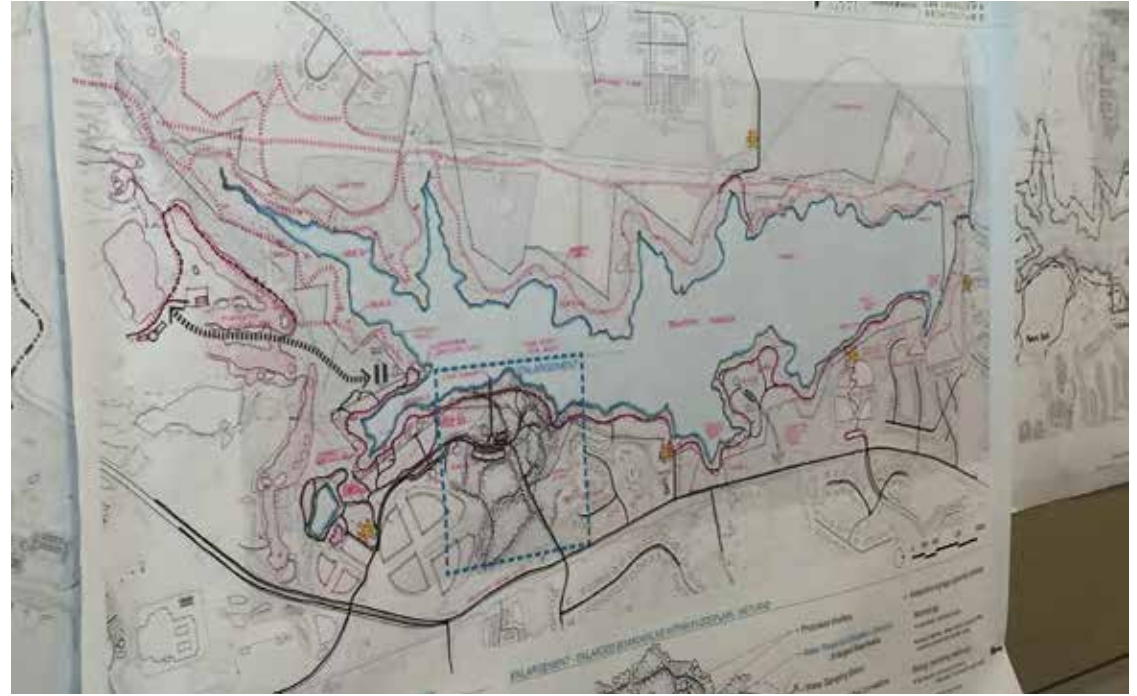


VISITOR CENTER



PAVILION / INTERPRETIVE STATION

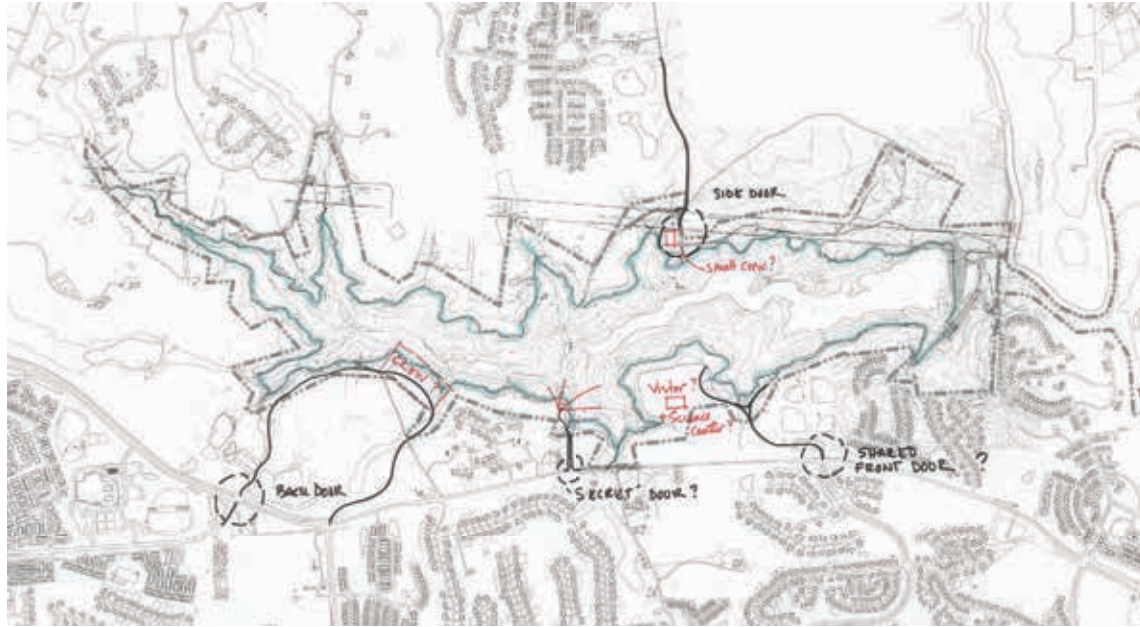




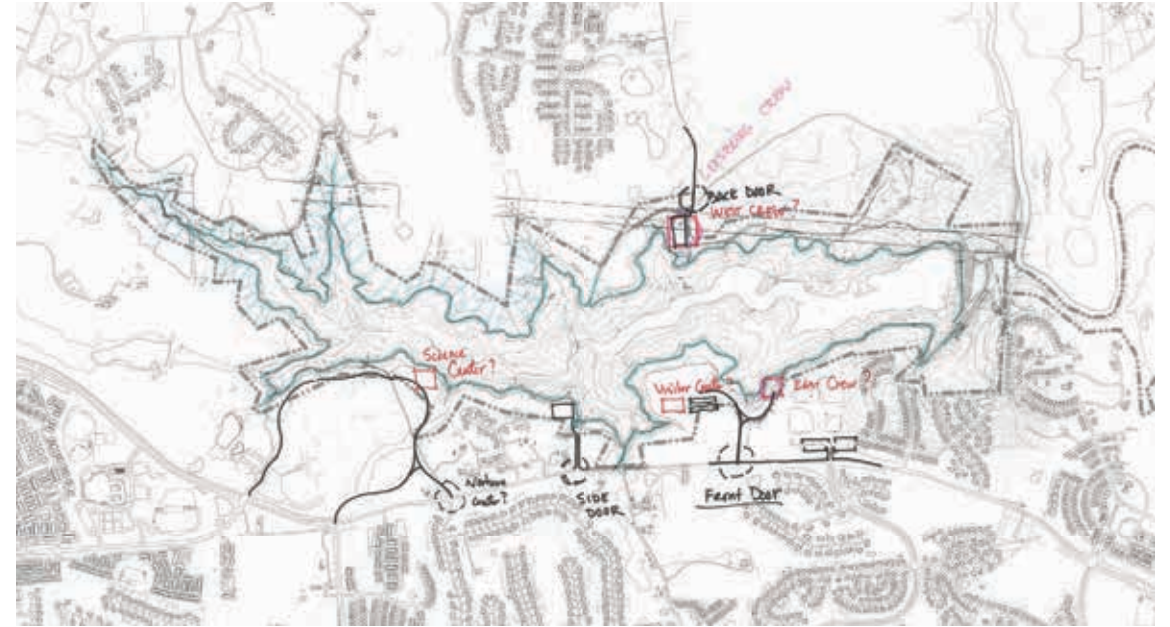
DESIGN WORKSHOP | Beaverdam Reservoir Concept Plan

Concept Design Studies

CONCEPT 1 | SHARED FRONT DOOR



CONCEPT 2 | NEW FRONT DOOR



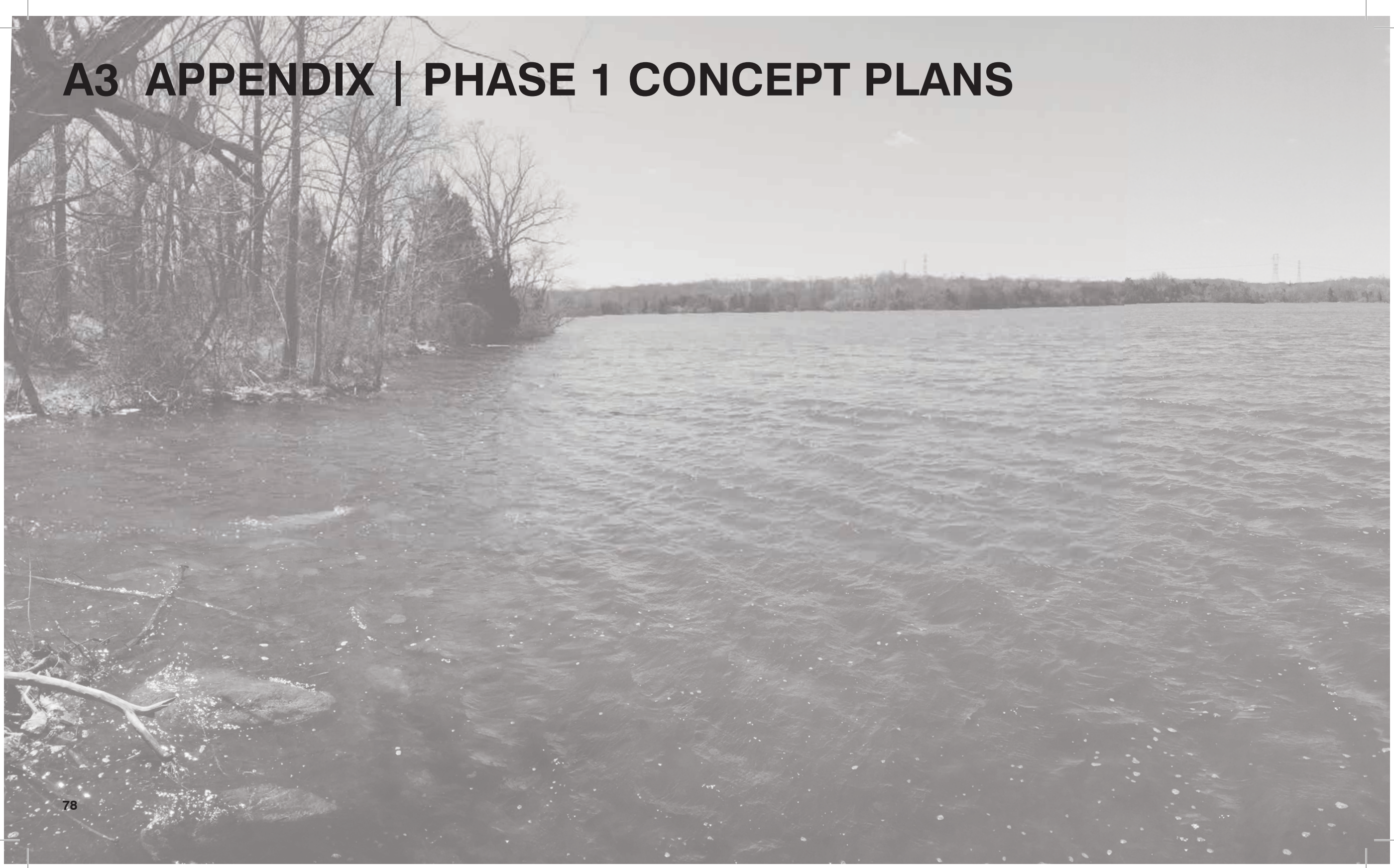
CONCEPT 3 | CREW REALIGNMENT



CONCEPT 4 | CONSOLIDATE AND SEPARATE



A3 APPENDIX | PHASE 1 CONCEPT PLANS





CONCEPT DESIGN STUDIES | Beaverdam Creek Reservoir Concept Plan

Concept Plan Draft | Phase 1

NOVA Parks presented a Phase 1 Concept Plan for coordinated development with NBW and Loudoun Water based on Strategic Concept Plan guidelines.

NOVA PARKS PHASE 1 PLAN



NBW RESERVOIR PARK PRECINCT PLAN





CONCEPT DESIGN STUDIES | Beaverdam Creek Reservoir Concept Plan

Site Concept Studies

PRECINCTS AND ACCESS



LARGE CROSSINGS



CONSOLIDATE PROGRAM AREAS



MAXIMUM WATER ACCESS



Precinct Concept Studies

WEST RESERVOIR ACCESS



RESERVOIR PARK



RESERVOIR PRESERVE VISITOR CENTER

