

# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM

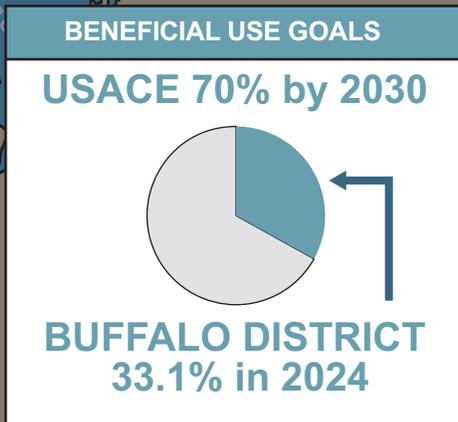
## 2024

### COMMERCIAL and RECREATIONAL HARBORS



US Army Corps  
of Engineers®  
Buffalo District

HARBOR	TOTAL DREDGED (CY)	AVG \$/CY
Ashtabula, OH	-	-
Cleveland, OH	250,000	\$34.48
Conneaut, OH	80,000	\$53.84
Fairport, OH	110,000	\$33.64
Lorain, OH	62,000	\$48.01
Sandusky, OH	-	-
Toledo, OH	600,000	\$7.02
Erie, PA	100,000	\$6.82
Buffalo, NY	80,000	\$14.02
Oswego, NY	-	-
Rochester, NY	83,000	\$11.23
Huron, OH	-	-
Port Clinton, OH	10,000	\$20.92
Vermillion, OH	50,000	\$20.15
Barcelona, NY	-	-
Great Sodus, NY	-	-
Oak Orchard, NY	-	-
<b>Total: 1,425,000</b>		



**KEY**

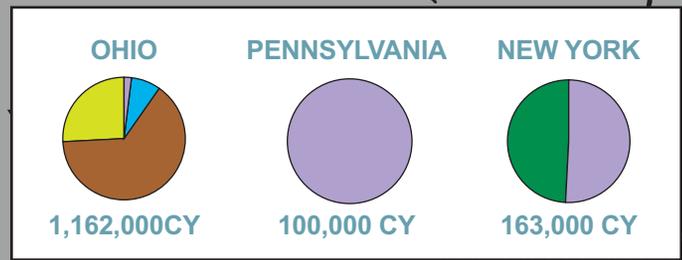
**BENEFICIAL USE**

- Littoral Placement
- Aquatic Ecosystem Restoration
- Upland Processing

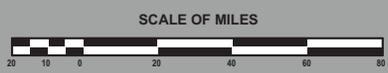
**NON-BENEFICIAL USE**

- Open Lake
- Confined Placement

Beneficial use of dredged material requires significant investment and, often, support from non-federal sponsors.



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**Disclaimers:**

- The Buffalo District includes 14 commercial harbors and 22 recreational harbors (not all are pictured)
- USACE's dredging program is subject to availability of funding
- Dredging at some harbors will require a cost-sharing partner
- Recreational harbors are dredged on an infrequent/as-needed basis

# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM

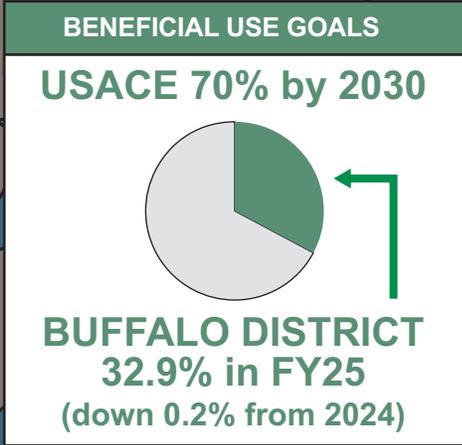
## FUTURE PLAN

### COMMERCIAL and RECREATIONAL HARBORS



US Army Corps  
of Engineers®  
Buffalo District

HARBOR	2025 PLANNED DREDGING (CY)	TARGET QUANTITY (CY)	TARGET FREQUENCY
Ashtabula, OH	85,000	110,000	Every 2 Yrs
Cleveland, OH	250,000	250,000	Annual
Conneaut, OH	60,000	80,000	Annual
Fairport, OH	130,000	180,000	Every 2 Yrs
Lorain, OH	50,000	110,000	Annual
Sandusky, OH	10,000	130,000	Annual
Toledo, OH	600,000	760,000	Annual
Erie, PA	-	150,000	Every 3 Yrs
Buffalo, NY	-	100,000	Every 2 Yrs
Oswego, NY	-	72,000	Every 4 Yrs
Rochester, NY	-	200,000	Every 2 Yrs
Huron, OH	-	As needed	Intermittent
Port Clinton, OH	-	As needed	Intermittent
Vermillion, OH	-	As needed	Intermittent
Barcelona, NY	60,000	As needed	Intermittent
Great Sodus, NY	25,000	As needed	Intermittent
Oak Orchard, NY	22,000	As needed	Intermittent
<b>Total: 1,292,000</b>			



**KEY**

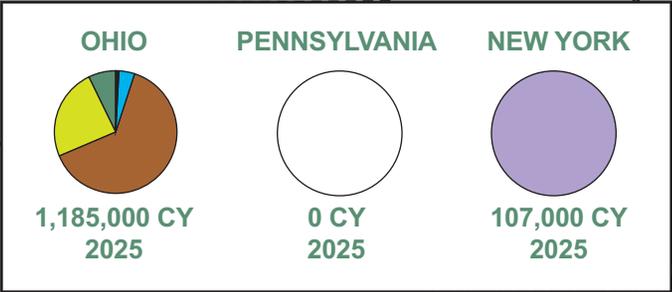
**BENEFICIAL USE**

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- Aquatic Ecosystem Restoration
- Upland Processing

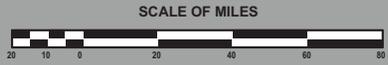
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# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM

## 2024 COMMERCIAL HARBORS



US Army Corps of Engineers  
Buffalo District

HARBOR	TOTAL DREDGED (CY)	AVG \$/CY
Ashtabula, OH	-	-
Cleveland, OH	250,000	\$34.48
Conneaut, OH	80,000	\$53.84
Fairport, OH	110,000	\$33.64
Lorain, OH	62,000	\$48.01
Sandusky, OH	-	-
Toledo, OH	600,000	\$7.02
Erie, PA	100,000	\$6.82
Buffalo, NY	80,000	14.02
Oswego, NY	-	-
Rochester, NY	83,000	\$11.23

Total: 1,365,000

**KEY**

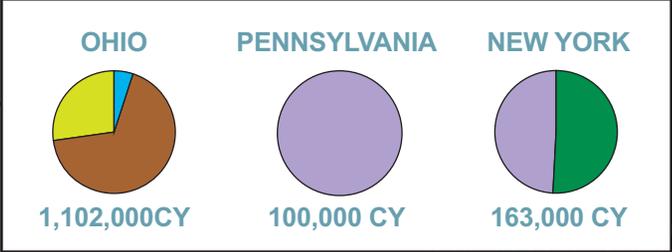
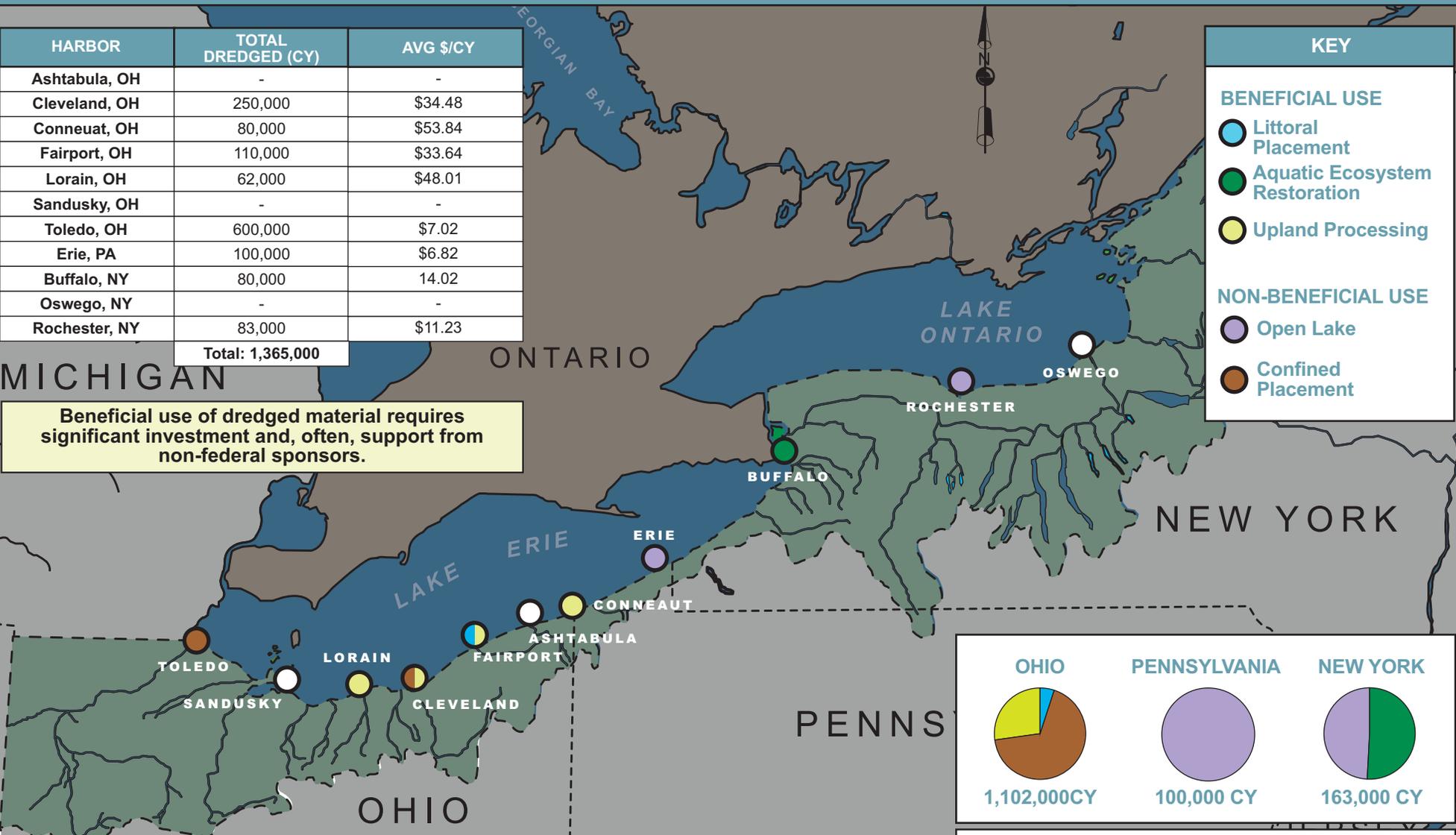
**BENEFICIAL USE**

- Littoral Placement
- Aquatic Ecosystem Restoration
- Upland Processing

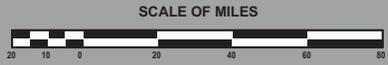
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# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM

## FUTURE PLAN

### COMMERCIAL HARBORS

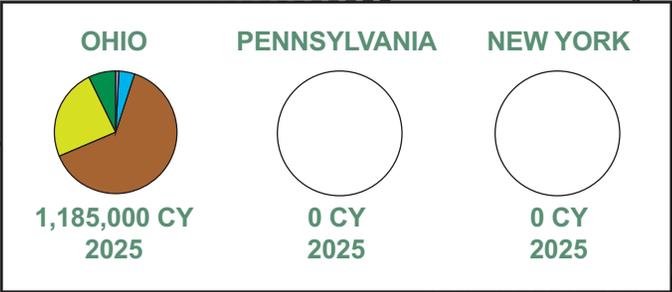
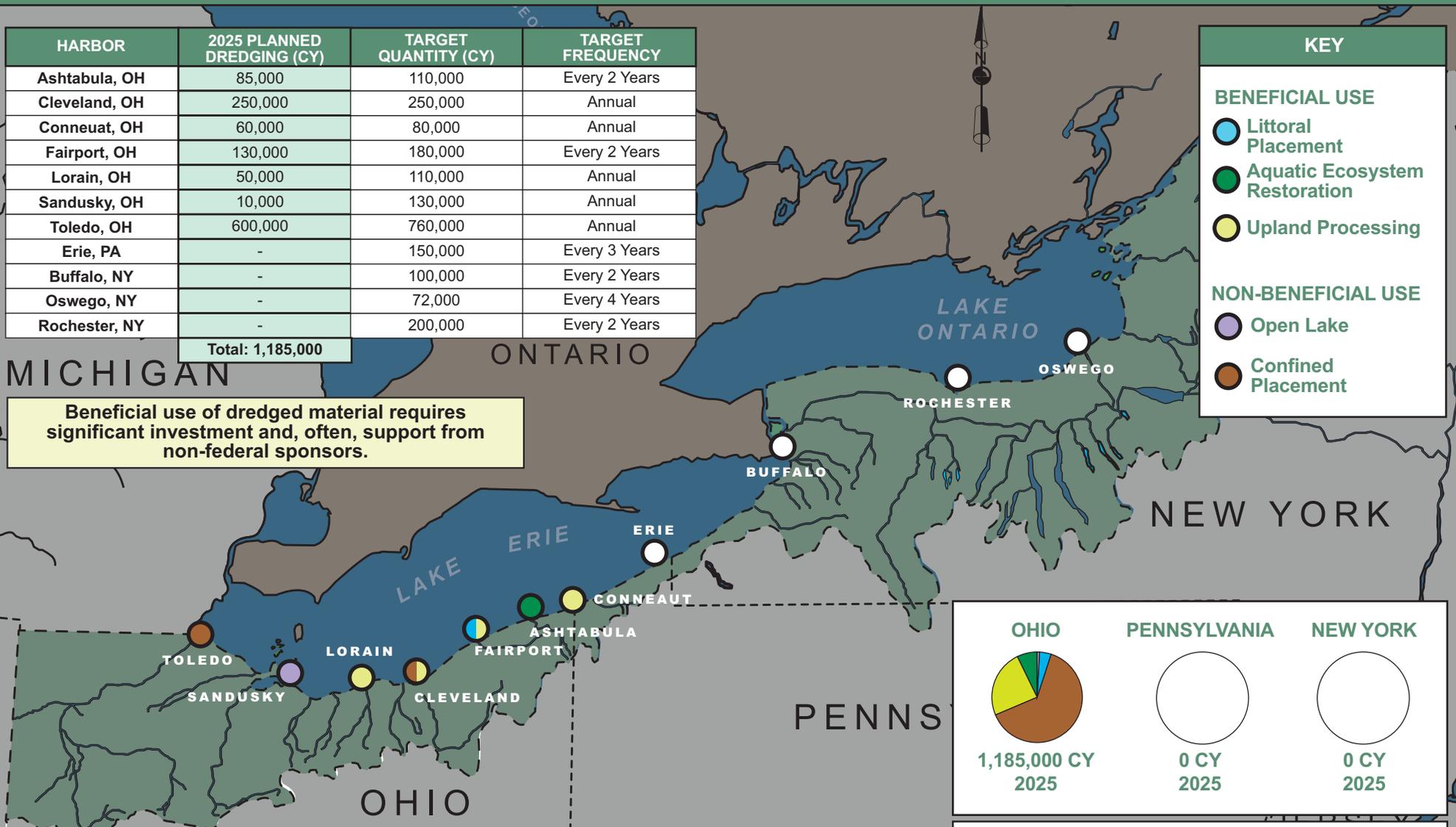


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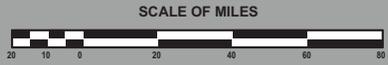
HARBOR	2025 PLANNED DREDGING (CY)	TARGET QUANTITY (CY)	TARGET FREQUENCY
Ashtabula, OH	85,000	110,000	Every 2 Years
Cleveland, OH	250,000	250,000	Annual
Conneaut, OH	60,000	80,000	Annual
Fairport, OH	130,000	180,000	Every 2 Years
Lorain, OH	50,000	110,000	Annual
Sandusky, OH	10,000	130,000	Annual
Toledo, OH	600,000	760,000	Annual
Erie, PA	-	150,000	Every 3 Years
Buffalo, NY	-	100,000	Every 2 Years
Oswego, NY	-	72,000	Every 4 Years
Rochester, NY	-	200,000	Every 2 Years
<b>Total: 1,185,000</b>			

KEY	
<b>BENEFICIAL USE</b>	
	Littoral Placement
	Aquatic Ecosystem Restoration
	Upland Processing
<b>NON-BENEFICIAL USE</b>	
	Open Lake
	Confined Placement

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# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM

## 2024

### OHIO COMMERCIAL HARBORS



US Army Corps  
of Engineers®  
Buffalo District

HARBOR	TOTAL DREDGED (CY)	AVG \$/CY
Ashtabula, OH	-	-
Cleveland, OH	250,000	\$34.48
Conneuat, OH	80,000	\$53.84
Fairport, OH	110,000	\$33.64
Lorain, OH	62,000	\$48.01
Sandusky, OH	-	-
Toledo, OH	600,000	\$7.02
<b>Total: 1,102,000</b>		

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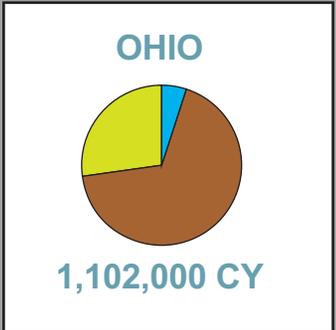
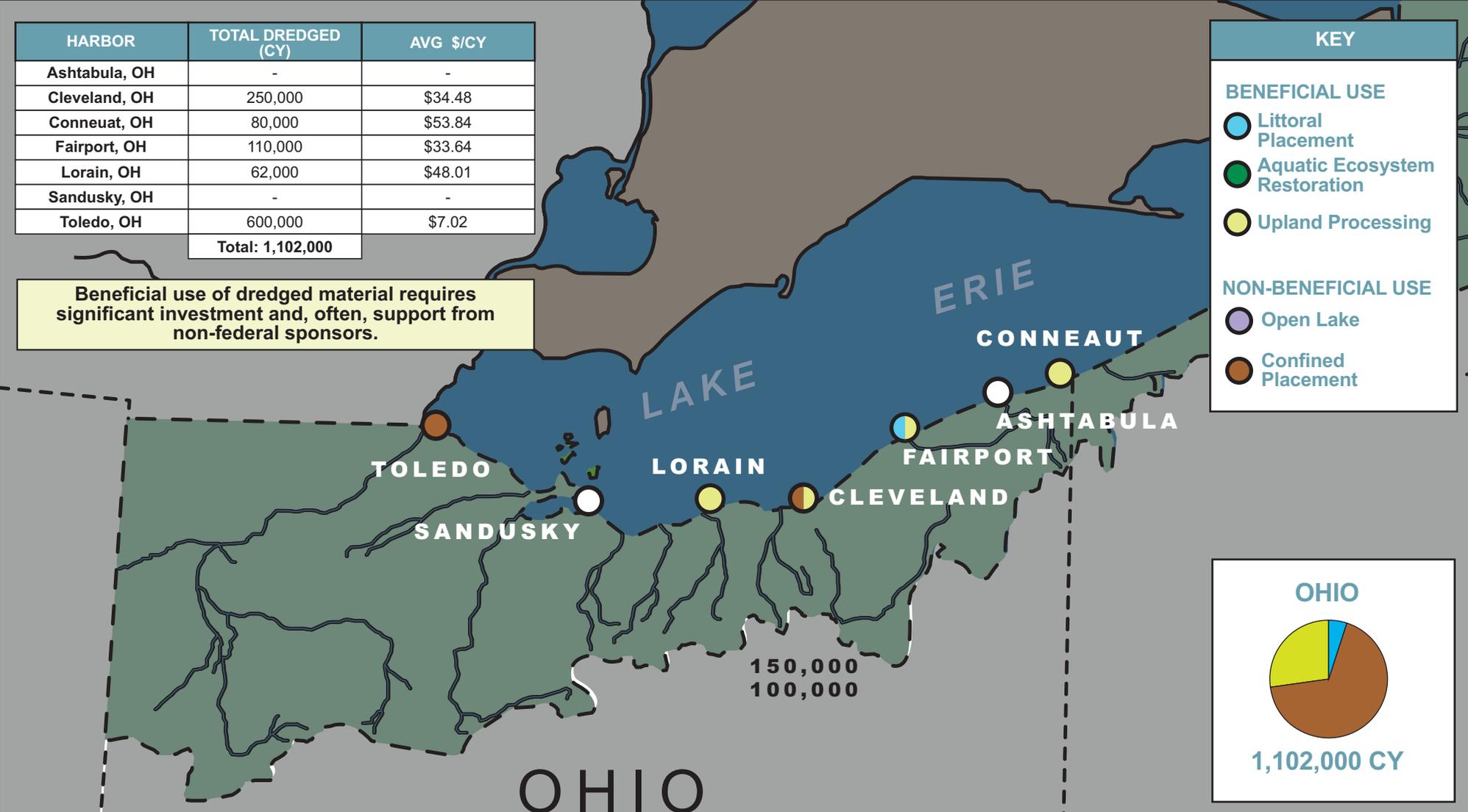
**KEY**

**BENEFICIAL USE**

- Littoral Placement
- Aquatic Ecosystem Restoration
- Upland Processing

**NON-BENEFICIAL USE**

- Open Lake
- Confined Placement



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# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM FUTURE PLAN OHIO COMMERCIAL HARBORS



US Army Corps  
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Buffalo District

HARBOR	2025 PLANNED DREDGING (CY)	TARGET QUANTITY (CY)	TARGET FREQUENCY
Ashtabula, OH	85,000	110,000	Every 2 Years
Cleveland, OH	250,000	250,000	Annual
Conneaut, OH	60,000	80,000	Annual
Fairport, OH	130,000	180,000	Every 2 Years
Lorain, OH	50,000	110,000	Annual
Sandusky, OH	10,000	130,000	Annual
Toledo, OH	600,000	760,000	Annual
<b>Total: 1,185,000</b>			

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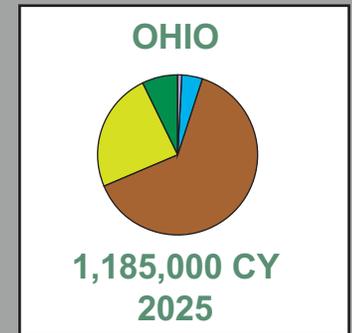
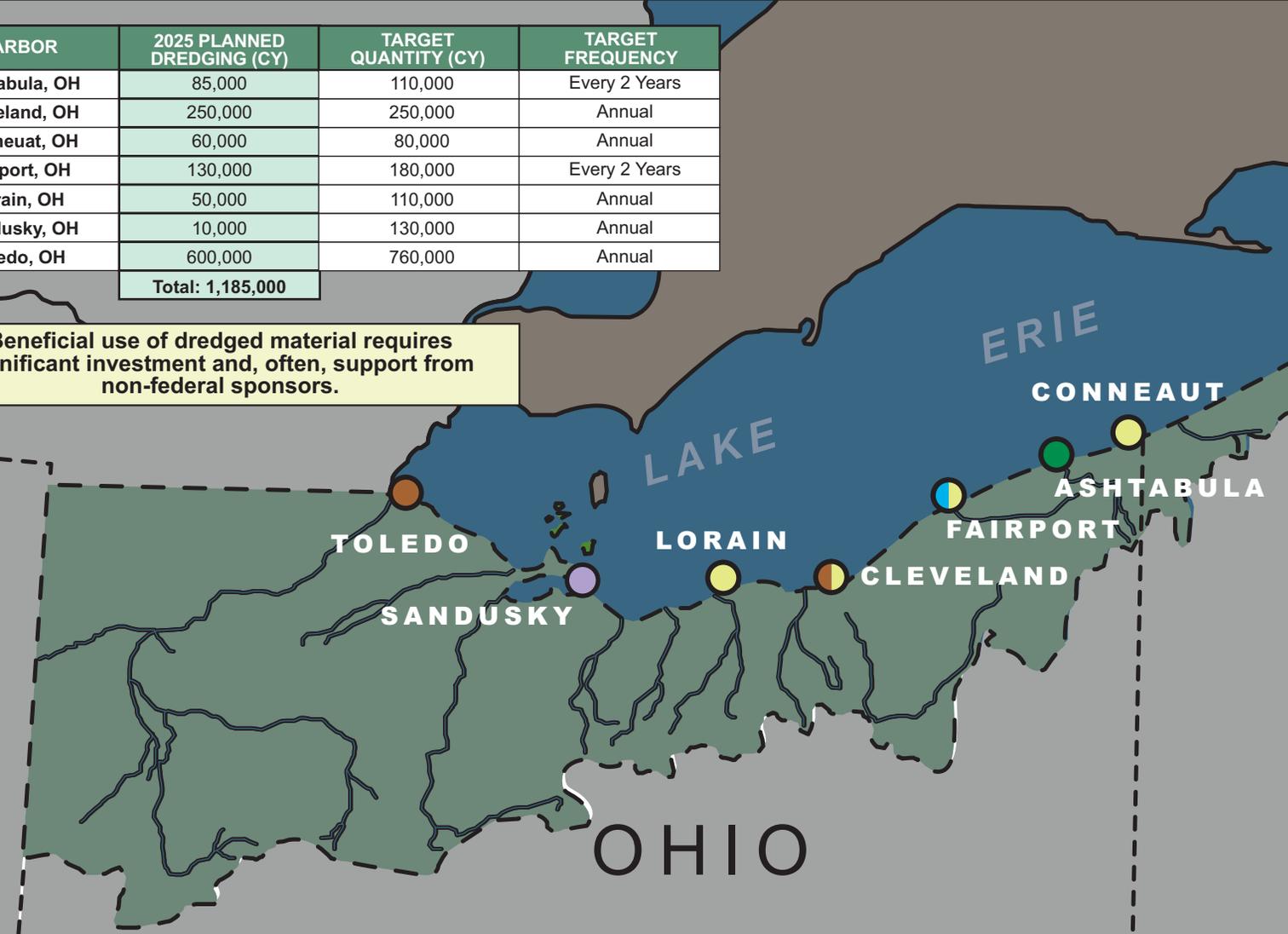
**KEY**

**BENEFICIAL USE**

- Littoral Placement
- Aquatic Ecosystem Restoration
- Upland Processing

**NON-BENEFICIAL USE**

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- Confined Placement



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# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM 2024 NEW YORK / PENNSYLVANIA COMMERCIAL HARBORS



US Army Corps  
of Engineers®  
Buffalo District

HARBOR	TOTAL DREDGED (CY)	AVG \$/CY
Erie, PA	100,000	\$6.82
Buffalo, NY	80,000	\$14.02
Oswego, NY	-	-
Rochester, NY	83,000	\$11.23
<b>Total: 263,000</b>		

Beneficial use of dredged material requires significant investment and, often, support from non-federal sponsors.

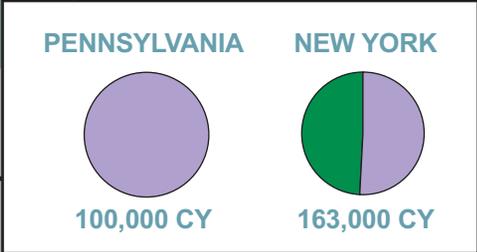
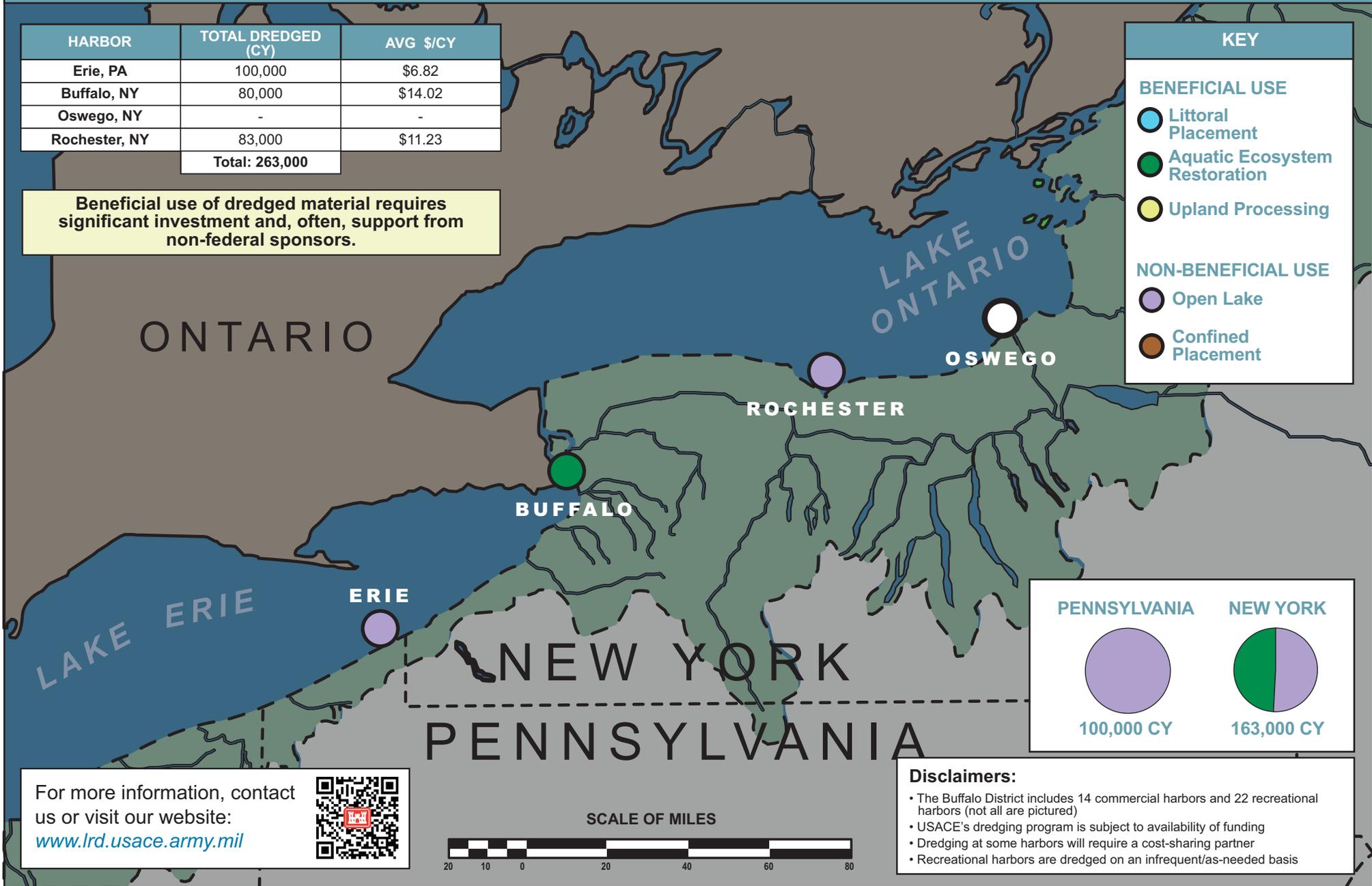
**KEY**

**BENEFICIAL USE**

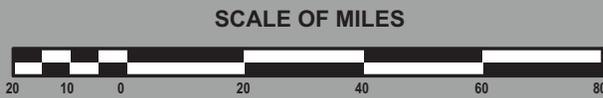
- Littoral Placement
- Aquatic Ecosystem Restoration
- Upland Processing

**NON-BENEFICIAL USE**

- Open Lake
- Confined Placement



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# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM FUTURE PLAN NEW YORK / PENNSYLVANIA COMMERCIAL HARBORS



US Army Corps  
of Engineers®  
Buffalo District

HARBOR	2025 PLANNED DREDGING (CY)	TARGET QUANTITY (CY)	TARGET FREQUENCY
Erie, PA	-	150,000	Every 3 Years
Buffalo, NY	-	100,000	Every 2 Years
Oswego, NY	-	72,000	Every 4 Years
Rochester, NY	-	200,000	Every 2 Years
<b>Total: 0</b>			

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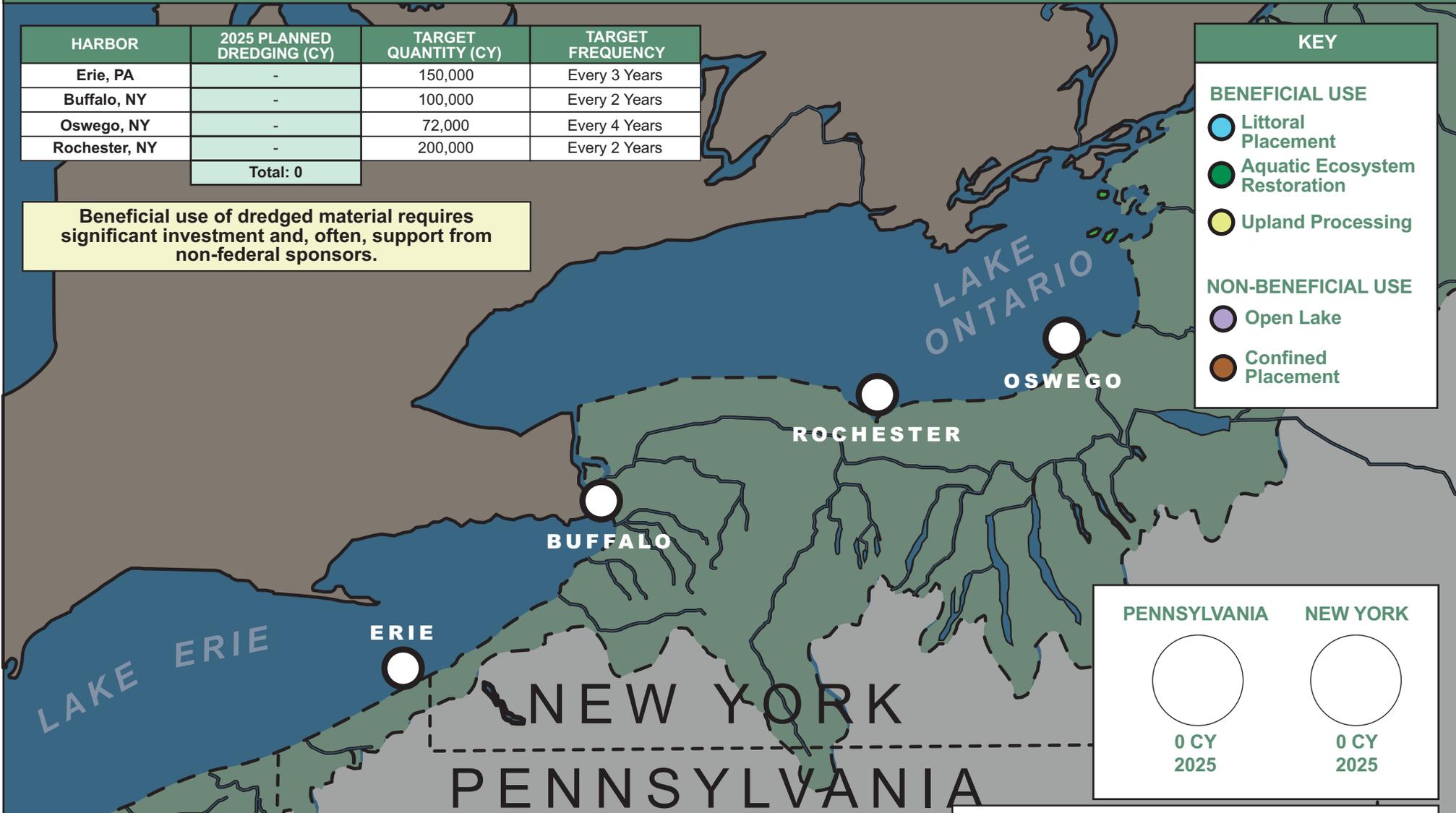
**KEY**

**BENEFICIAL USE**

- Littoral Placement
- Aquatic Ecosystem Restoration
- Upland Processing

**NON-BENEFICIAL USE**

- Open Lake
- Confined Placement



PENNSYLVANIA	NEW YORK
○	○
0 CY 2025	0 CY 2025

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# BUFFALO DISTRICT DREDGED MATERIAL MANAGEMENT PROGRAM

## 2024

### RECREATIONAL HARBORS

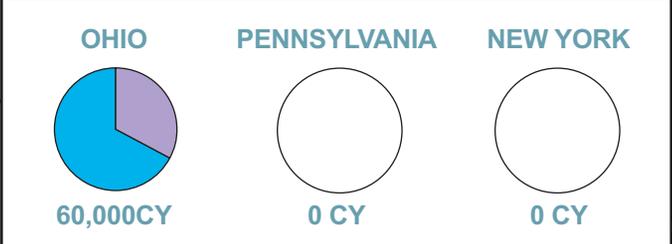
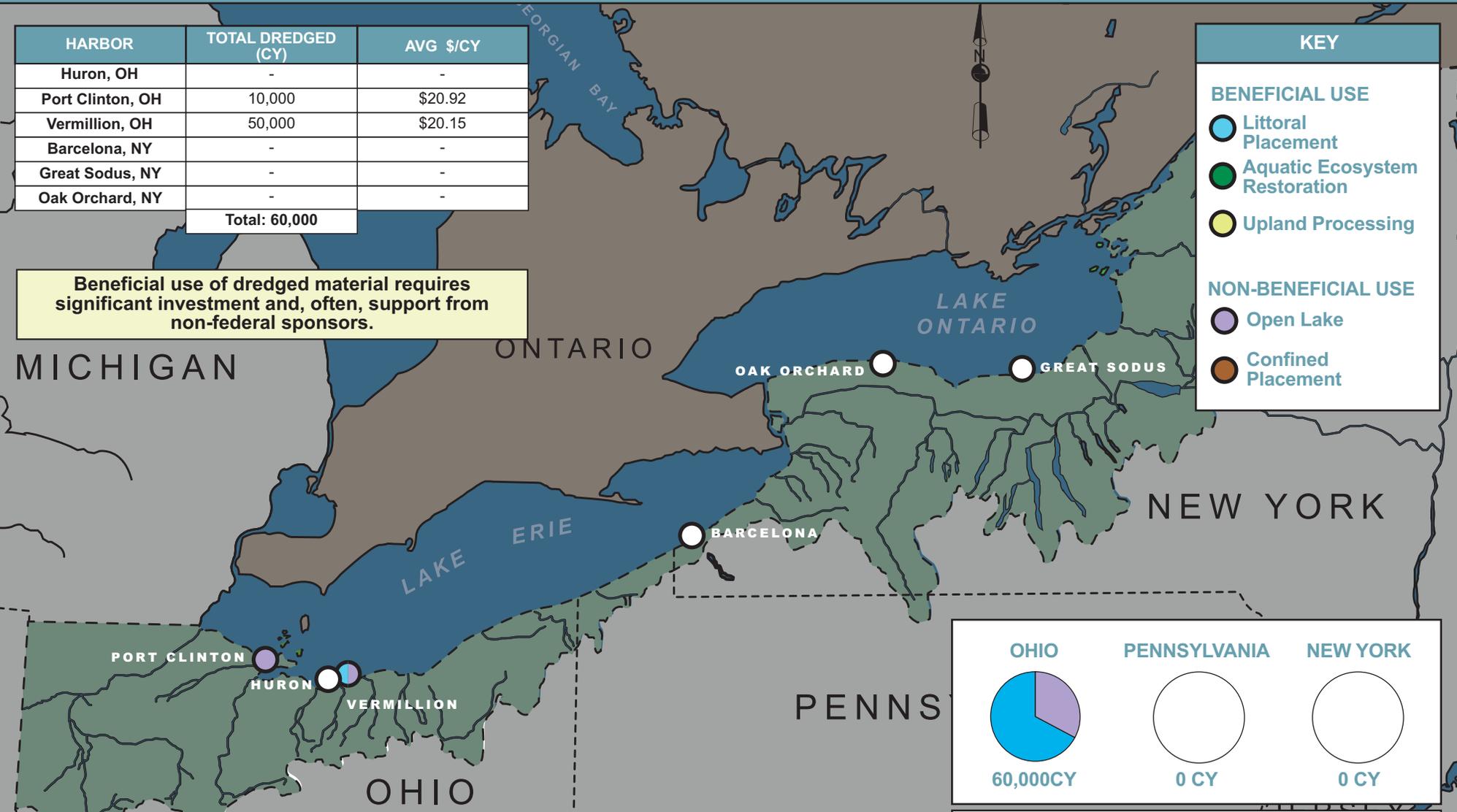


US Army Corps  
of Engineers®  
Buffalo District

HARBOR	TOTAL DREDGED (CY)	AVG \$/CY
Huron, OH	-	-
Port Clinton, OH	10,000	\$20.92
Vermillion, OH	50,000	\$20.15
Barcelona, NY	-	-
Great Sodus, NY	-	-
Oak Orchard, NY	-	-
<b>Total: 60,000</b>		

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KEY	
<b>BENEFICIAL USE</b>	
	Littoral Placement
	Aquatic Ecosystem Restoration
	Upland Processing
<b>NON-BENEFICIAL USE</b>	
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## FUTURE PLAN

### RECREATIONAL HARBORS



US Army Corps  
of Engineers®  
Buffalo District

HARBOR	2025 PLANNED DREDGING (CY)	TARGET QUANTITY (CY)	TARGET FREQUENCY
Huron, OH	-	As needed	Intermittent
Port Clinton, OH	-	As needed	Intermittent
Vermillion, OH	-	As needed	Intermittent
Barcelona, NY	60,000	As needed	Intermittent
Great Sodus, NY	25,000	As needed	Intermittent
Oak Orchard, NY	22,000	As needed	Intermittent
<b>Total: 107,000</b>			

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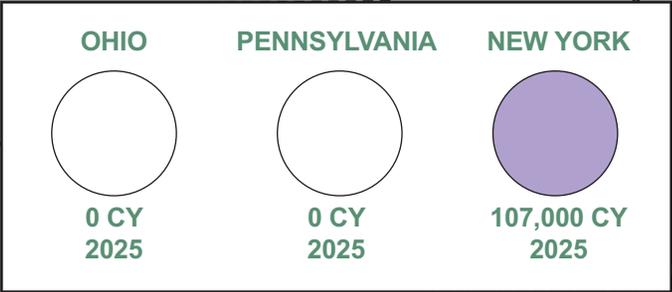
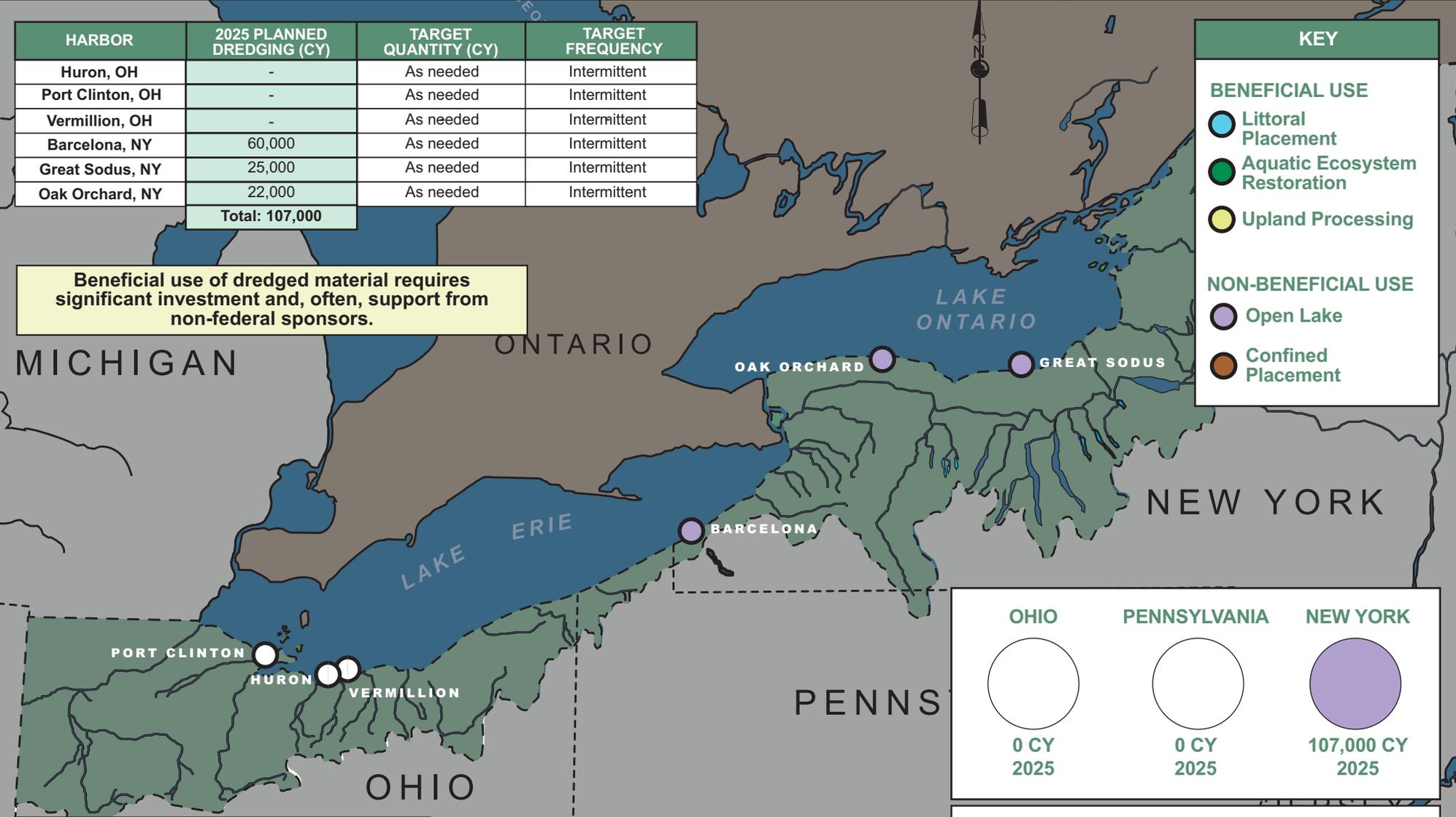
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