

## Trego Lake District Dredging Budget – June 2020

### Dredging Option Selected by Sedimentation Committee – Purchase Piranha Mini-dredge including necessary equipment and services

Item	Budget Estimate 2020	Ongoing
• Piranha dredge model PS135E <sup>1</sup>	\$10,200.00	
• One hose – 3” x 25’ floating discharge hose <sup>2</sup>	\$415.00	
• Delivery cost for dredge and hose	\$1,551.77 <sup>3</sup>	
• Two lay-flat discharge hoses <sup>4</sup>	\$420.00	
• Fifty 10’ x 3” PVC pipe <sup>5</sup>	Estimate \$750.00	
• Couplings and elbows	Estimate \$250.00	
• Wear parts kit for dredge	\$1067.34 <sup>6</sup>	
• Trailer for dredge – travel and launching	Estimate \$300.00 <sup>7</sup>	
• Trailer (6’ x 8’) to transport pump and hose and additional supplies	Estimate \$500.00 <sup>8</sup>	
• Wacker Neuson <sup>9</sup> 3-inch-high performance trash pump for booster <sup>10</sup>	\$1515.00	
• Platform for booster pump (option)	\$0.00 <sup>11</sup>	
• Miscellaneous items: plywood, dowels, tools, gas, oil etc.	Estimate \$500.00	
• Spoils site prep <sup>12</sup>	\$1680.00	
• Permit costs (DNR cost paid 2019)	\$310.58 <sup>13</sup>	
• Ongoing storage and maintenance of dredge and equipment		\$1000 <sup>14</sup> per year
<b>Total Cost for Dredging 2020</b>	<b>\$19,459.69</b>	
<b>Amount in 2019 TLD budget for dredging</b>	<b>\$13,500.00</b>	
<b>Difference between 2020 budget estimate and 2019 budget</b>	<b>-\$5959.69</b>	

### Funding Sources for dredging – June 2020

Source	Amounts from 2019/20 budget	Total additional funding 2020	Additional funding source
TLD budget 2019	\$13,500.00		
New funds 2020		\$5959.69	
• Carry over from 19/20 budget			\$2,459.69
• Loan option			\$3,000.00
• Donation option			\$500.00
<b>Total funding for dredging in 2020</b>		<b>\$19,459.69</b>	
Continue Special Charge in 2021			\$1,000 covers storage and maintenance

<sup>1</sup> Comes with 25’ of floating discharge hose

<sup>2</sup> From Piranha dredge

<sup>3</sup> Piranha Dredge bid – 4/7/2020

<sup>4</sup> 3” x 50’ from Piranha dredge

<sup>5</sup> Home Depot Schedule 40 DWV plain-end pipe

<sup>6</sup> Piranha Dredge bid – 4/7/2020

<sup>7</sup> John Geiger build

<sup>8</sup> Used trailer

<sup>9</sup> Bid from Lincoln Contractors Supply, Inc. Milwaukee, WI (office in Eau Claire, WI)

<sup>10</sup> Additional options: Harbor Freight Predator 3” trash pump for \$319.99;

<sup>11</sup> Need to determine

<sup>12</sup> Bid from Norton Excavating

<sup>13</sup> May be additional costs for National Parks Service permits

<sup>14</sup> Storage cost estimate, \$30/month - \$360

**Dredging Option Budgeted at Annual Meeting – June 2019** (budget developed from these numbers)

a) Purchase Weeders Digest portable suction dredge and necessary equipment

Item	Estimated Cost
• Portable suction dredge boat mounted system <sup>15</sup>	\$5,195.00
• Discharge hose – 2.5-inch OD heavy duty flat hose – 450 ft.	\$698.00
• Bottom softening knife kit (optional)	\$195.00
• Wacker Neuson <sup>16</sup> 3-inch-high performance trash pump for booster <sup>17</sup>	\$1515.00
• Discharge hose – 3 inch; coupler from 2.5" to 3" <sup>18</sup>	(Using \$1500 for placeholder) TBD
• Trailer (6' x 8') to transport dredge, pump and hose (plus additional supplies)	(Using \$1500 as placeholder) TBD
• Platform for booster pump (optional) <sup>19</sup>	(Using \$500 as placeholder) TBD
• Miscellaneous items: plywood, dowels, tools, gas, oil etc.	(Using \$500 placeholder) TBD
• Spoils site prep	(using \$500 as a placeholder) TBD
• Permit costs	(using \$1,000 as a placeholder) TBD
<b>Total Cost for Dredging items</b>	<b>\$13,103.00</b>
Contingency amount	\$397.00
<b>TOTAL</b>	<b>\$13,500.00</b>

**Funding Sources – June 2019**

Source	Amounts
• Navigation Fund <sup>20</sup>	\$11,500
• Special Charge	\$2,000
<b>Total funds available</b>	<b>\$13,500</b>

<sup>15</sup> Dredge, hose and knife from Weeders Digest, 5701 International Parkway, New Hope, MN 55428

<sup>16</sup> Bid from Lincoln Contractors Supply, Inc. Milwaukee, WI (office in Eau Claire, WI)

<sup>17</sup> Additional options: Harbor Freight Predator 3" trash pump for \$319.99; other pump options pending

<sup>18</sup> Lincoln Contractors Supply bid; 12- 3"x50' Lay-Flat Hose- \$76 each, \$912.00 and 1- 2-1/2 x 3" Bell Reducer- \$40.00

<sup>19</sup> If pump needs to be in lake boundary because of distance

<sup>20</sup> Donated funds remaining from 2016 dredging project