

<b>Stream Characterization</b>		<b>Date:</b> 8/30/2019	<b>Time:</b> 11:00 AM	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 26		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> <u>EPHEMERAL</u> PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT		<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> sewage <input type="checkbox"/> milky <input type="checkbox"/> chlorine <input type="checkbox"/> foamy <input type="checkbox"/> fishy <input type="checkbox"/> turbid <input type="checkbox"/> rotten eggs <input type="checkbox"/> light brown <input type="checkbox"/> organic <input type="checkbox"/> dark brown <input type="checkbox"/> other: <input type="checkbox"/> oily sheen <input checked="" type="checkbox"/> none <input type="checkbox"/> orange <input checked="" type="checkbox"/> greenish <input type="checkbox"/> other:																																															
<b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A		<b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A		<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none																																															
<b>1. a) Approximate depth of water in stream:</b> <input type="checkbox"/> N/A <input type="checkbox"/> 0		<b>6. Nature of the particles in the stream bottom:</b> <input type="checkbox"/> silt/clay/mud <input type="checkbox"/> None <input type="checkbox"/> Little <input type="checkbox"/> Some <input type="checkbox"/> Most <input type="checkbox"/> sand <input type="checkbox"/> gravel <input type="checkbox"/> cobbles (2 - 10" diam.) <input checked="" type="checkbox"/> X <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> bedrock		<b>11. Presence of logs or large woody debris in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful																																															
<b>b) Approximate width of water flow:</b> <input type="checkbox"/> N/A <input type="checkbox"/> none		<b>7. Presence of naturally occurring organic material in stream:</b> <input type="checkbox"/> None <input checked="" type="checkbox"/> Occasional <input type="checkbox"/> Unknown <input type="checkbox"/> Plentiful		<b>12. Pick the category that best describes the extent to which vegetation shades the stream:</b> <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input checked="" type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																															
<b>c) Approximate width of stream: (from top of bank to top of bank)</b> <input type="checkbox"/> 20 ft <input type="checkbox"/> 40 ft		<b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b> left side <input checked="" type="checkbox"/> yes right side <input checked="" type="checkbox"/> yes What is the % cover of <u>trees</u> per side of the stream? left side <input checked="" type="checkbox"/> 5 % right side <input checked="" type="checkbox"/> 5 %		<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b> <b>a) Stream bank:</b> Left <input type="checkbox"/> Vertical/undercut <input type="checkbox"/> Right <input checked="" type="checkbox"/> Steeply sloping (>30°) <input checked="" type="checkbox"/> X <input type="checkbox"/> Gradual/No slope (<30°)																																															
<b>d) Approximate height of banks (channel depth):</b> left <input type="checkbox"/> 20 ft right <input type="checkbox"/> 40 ft		<b>9. Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> yes right side <input type="checkbox"/> yes What is the % cover of <u>shrubs</u> per side of the stream? left side <input type="checkbox"/> 5 % right side <input type="checkbox"/> 5 %		<b>b) Shape of the channel:</b> <input type="checkbox"/> Narrow, Deep <input checked="" type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow																																															
<b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> N/A		<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> Left <input type="checkbox"/> P <input type="checkbox"/> C Right <input type="checkbox"/> P <input type="checkbox"/> C <table border="0" style="width:100%;"> <tr><td><input checked="" type="checkbox"/> Trees</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Bushes, Shrubs</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Tall grasses, forbs</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Lawn, maintained landscape</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> Boulders/Rocks <u>Rip Rap</u></td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Gravel/Sand</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Bare Soil</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Pavement, Structures, Gabions</td><td><input type="checkbox"/></td></tr> </table>		<input checked="" type="checkbox"/> Trees	<input checked="" type="checkbox"/>	<input type="checkbox"/> Bushes, Shrubs	<input type="checkbox"/>	<input type="checkbox"/> Tall grasses, forbs	<input type="checkbox"/>	<input type="checkbox"/> Lawn, maintained landscape	<input type="checkbox"/>	<input checked="" type="checkbox"/> Boulders/Rocks <u>Rip Rap</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Gravel/Sand	<input type="checkbox"/>	<input type="checkbox"/> Bare Soil	<input type="checkbox"/>	<input type="checkbox"/> Pavement, Structures, Gabions	<input type="checkbox"/>	<b>16. Ordinary High Water Mark Determination</b> Check "P" if observed; Check "U" if used to determine OHWM <table border="0" style="width:100%;"> <tr><td><input type="checkbox"/> Natural line impressed on the bank</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Shelving</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Changes in the character of soil</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Destruction of terrestrial vegetation</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Presence of litter and debris</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Wracking</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Vegetation matted down; bent, or absent</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Sediment sorting</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Leaf litter disturbed or washed away</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> Scour</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Deposition</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> Multiple observed flow events</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> Bed and banks</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> Water staining</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> Change in plant community</td><td><input type="checkbox"/></td></tr> </table>		<input type="checkbox"/> Natural line impressed on the bank	<input type="checkbox"/>	<input type="checkbox"/> Shelving	<input type="checkbox"/>	<input type="checkbox"/> Changes in the character of soil	<input type="checkbox"/>	<input type="checkbox"/> Destruction of terrestrial vegetation	<input type="checkbox"/>	<input type="checkbox"/> Presence of litter and debris	<input type="checkbox"/>	<input type="checkbox"/> Wracking	<input type="checkbox"/>	<input type="checkbox"/> Vegetation matted down; bent, or absent	<input type="checkbox"/>	<input type="checkbox"/> Sediment sorting	<input type="checkbox"/>	<input type="checkbox"/> Leaf litter disturbed or washed away	<input type="checkbox"/>	<input checked="" type="checkbox"/> Scour	<input type="checkbox"/>	<input type="checkbox"/> Deposition	<input type="checkbox"/>	<input checked="" type="checkbox"/> Multiple observed flow events	<input type="checkbox"/>	<input checked="" type="checkbox"/> Bed and banks	<input type="checkbox"/>	<input checked="" type="checkbox"/> Water staining	<input type="checkbox"/>	<input checked="" type="checkbox"/> Change in plant community	<input type="checkbox"/>
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<b>b) From the top of the streambank out to 50 feet:</b> Left <input type="checkbox"/> P <input type="checkbox"/> C Right <input type="checkbox"/> P <input type="checkbox"/> C <table border="0" style="width:100%;"> <tr><td><input type="checkbox"/> Trees</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Bushes, Shrubs</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Tall grasses, forbs</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Lawn, maintained landscape</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Boulders/Rocks</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Gravel/Sand</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Bare Soil</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Pavement, Structures</td><td><input type="checkbox"/></td></tr> </table>		<input type="checkbox"/> Trees	<input type="checkbox"/>	<input type="checkbox"/> Bushes, Shrubs	<input type="checkbox"/>	<input type="checkbox"/> Tall grasses, forbs	<input type="checkbox"/>	<input type="checkbox"/> Lawn, maintained landscape	<input type="checkbox"/>	<input type="checkbox"/> Boulders/Rocks	<input type="checkbox"/>	<input type="checkbox"/> Gravel/Sand	<input type="checkbox"/>	<input type="checkbox"/> Bare Soil	<input type="checkbox"/>	<input type="checkbox"/> Pavement, Structures	<input type="checkbox"/>	<b>17. Waters Type</b> <table border="0" style="width:100%;"> <tr><td><input type="checkbox"/> DELINEATE</td><td><input type="checkbox"/></td><td><input type="checkbox"/> RPWWN</td></tr> <tr><td><input type="checkbox"/> TNW</td><td><input type="checkbox"/></td><td><input type="checkbox"/> NRPW</td></tr> <tr><td><input type="checkbox"/> TNWW</td><td><input type="checkbox"/></td><td><input type="checkbox"/> NRPWW</td></tr> <tr><td><input type="checkbox"/> RPW</td><td><input type="checkbox"/></td><td><input type="checkbox"/> ISOLATE</td></tr> <tr><td><input type="checkbox"/> RPWWWD</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/> UPLAND</td></tr> <tr><td></td><td></td><td><input type="checkbox"/> TNWRPW</td></tr> </table>		<input type="checkbox"/> DELINEATE	<input type="checkbox"/>	<input type="checkbox"/> RPWWN	<input type="checkbox"/> TNW	<input type="checkbox"/>	<input type="checkbox"/> NRPW	<input type="checkbox"/> TNWW	<input type="checkbox"/>	<input type="checkbox"/> NRPWW	<input type="checkbox"/> RPW	<input type="checkbox"/>	<input type="checkbox"/> ISOLATE	<input type="checkbox"/> RPWWWD	<input checked="" type="checkbox"/>	<input type="checkbox"/> UPLAND			<input type="checkbox"/> TNWRPW														
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<b>15. In the vicinity of the stream, Check "P" if present, "C" if common:</b> Left <input type="checkbox"/> P <input type="checkbox"/> C Right <input type="checkbox"/> P <input type="checkbox"/> C <table border="0" style="width:100%;"> <tr><td><input type="checkbox"/> Natural Streamside plant cover degraded</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Banks collapsed/eroded</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Garbage/junk adjacent to the stream</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Foam or sheen on bank</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Mud, silt, or sand in or entering the stream</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Garbage/junk in the stream</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Yard waste on bank (clippings, leaves, etc.)</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Livestock in or with unrestricted access</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Actively discharging pipes</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Other pipes</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> Ditches entering stream</td><td><input type="checkbox"/></td></tr> </table>		<input type="checkbox"/> Natural Streamside plant cover degraded	<input type="checkbox"/>	<input type="checkbox"/> Banks collapsed/eroded	<input type="checkbox"/>	<input type="checkbox"/> Garbage/junk adjacent to the stream	<input type="checkbox"/>	<input type="checkbox"/> Foam or sheen on bank	<input type="checkbox"/>	<input type="checkbox"/> Mud, silt, or sand in or entering the stream	<input type="checkbox"/>	<input type="checkbox"/> Garbage/junk in the stream	<input type="checkbox"/>	<input type="checkbox"/> Yard waste on bank (clippings, leaves, etc.)	<input type="checkbox"/>	<input type="checkbox"/> Livestock in or with unrestricted access	<input type="checkbox"/>	<input type="checkbox"/> Actively discharging pipes	<input type="checkbox"/>	<input type="checkbox"/> Other pipes	<input checked="" type="checkbox"/>	<input type="checkbox"/> Ditches entering stream	<input type="checkbox"/>	<b>18. Observed Fauna (make note of wildlife deterrents such as bird wires)</b> <table border="0" style="width:100%;"> <tr><td><input checked="" type="checkbox"/> Invertebrates</td><td><input type="checkbox"/> crickets</td></tr> <tr><td><input type="checkbox"/> Birds</td><td></td></tr> <tr><td><input type="checkbox"/> Mammals</td><td></td></tr> <tr><td><input type="checkbox"/> Reptile/Amphians</td><td></td></tr> <tr><td><input type="checkbox"/> Fish</td><td></td></tr> </table>		<input checked="" type="checkbox"/> Invertebrates	<input type="checkbox"/> crickets	<input type="checkbox"/> Birds		<input type="checkbox"/> Mammals		<input type="checkbox"/> Reptile/Amphians		<input type="checkbox"/> Fish																	
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<b>19. Additional Comments</b> Ditch is maintained by brush clearing/cutting.		Datasheet entered by:		Last Revised: 09/25																																															

<b>Stream Characterization</b>		<b>Date:</b> 9/17/2019	<b>Time:</b> 2:30pm	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 27		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT	<b>9. Water Appearance:</b> <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																														
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<b>2. Plant Species Adjacent to stream (scientific name):</b> <b>Trees:</b>  <b>Understory:</b> <i>Solidago sempervirens</i> , <i>Typha angustifolia</i> , <i>Phalaris arundinacea</i> , <i>Dipsacus lanciniatus</i> , <i>Persicaria lapathifolium</i>		<b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> no right side <input type="checkbox"/> no <b>What is the % cover of <u>trees</u> per side of the stream?</b> left side <input type="checkbox"/> 0 % right side <input type="checkbox"/> 0 % <b>Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> no right side <input type="checkbox"/> no <b>What is the % cover of <u>shrubs</u> per side of the stream?</b> 0 % Observer initials:		<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b> <b>a) Stream bank:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td>Vertical/undercut</td> </tr> <tr> <td></td> <td>Steeply sloping (&gt;30°)</td> </tr> <tr> <td></td> <td>Gradual/No slope (&lt;30°)</td> </tr> </table> <b>b) Shape of the channel:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <td><input type="checkbox"/></td> <td>Narrow, Deep</td> <td><input type="checkbox"/></td> <td>Wide, Deep</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Narrow, Shallow</td> <td><input type="checkbox"/></td> <td>Wide, Shallow</td> </tr> </table>	Left	Right	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vertical/undercut		Steeply sloping (>30°)		Gradual/No slope (<30°)	<input type="checkbox"/>	Narrow, Deep	<input type="checkbox"/>	Wide, Deep	<input checked="" type="checkbox"/>	Narrow, Shallow	<input type="checkbox"/>	Wide, Shallow																										
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<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> </tr> <tr> <td>P C</td> <td>P C</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks <u>Rip Rap</u> Gravel/Sand Bare Soil Pavement, Structures, Gabions		Left	Right	P C	P C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>16. Ordinary High Water Mark Determination</b> Check "P" if observed; Check "U" if used to determine OHWM <table border="1" style="width:100%; text-align: center;"> <tr> <th>P</th> <th>U</th> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> Natural line impressed on the bank Shelving Changes in the character of soil Destruction of terrestrial vegetation Presence of litter and debris Wracking Vegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events Bed and banks Water staining Change in plant community		P	U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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<b>19. Additional Comments</b> Standing water further east. Runoff from AMC and batch plant. Area is mown infrequently. Extends almost to Lawrence St. Input and output from and to culverts. Datasheet entered by: Last Revised: 09/25																																																		

[illegible]

[illegible]



Stream Characterization		Date: 8/13/2019	Time: 4:15pm	Site: ORD	County: Cook
Field ID: <u>Stream/Ditch</u>		Stream Name: <u>Ditch 30</u>		Investigators: <u>BJH, CBM</u>	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: <u>EPHEMERAL</u> <u>PERENNIAL</u> <u>INTERMITTENT</u> 4. Stream habitats present: <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A		9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> none <input type="checkbox"/> greenish <input type="checkbox"/> other:		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none	
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A <input type="checkbox"/> 3-4 ft b) Approximate width of water flow: <input type="checkbox"/> N/A <input type="checkbox"/> 35 ft c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 65-70 ft d) Approximate height of banks (channel depth): left <input type="checkbox"/> 1-2 ft    right <input type="checkbox"/> 1-2 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A		5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: None    Little    Some    Most silt/clay/mud <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> sand <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> gravel <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> cobbles (2 - 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> bedrock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful			
2. Plant Species Adjacent to stream (scientific name): Trees: <u>N/A</u> Understory: <u>Lythrum salicaria, Phragmites australis,</u> <u>Juncus nodosus, Eleocharis palustris</u> <u>upland; Dipsacus laciniatus, Melilotus officinale</u>		7. Presence of naturally occurring organic material in stream: <input type="checkbox"/> None <input type="checkbox"/> Occasional <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Plentiful 8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the: left side <u>no</u> right side <u>no</u> What is the % cover of <u>trees</u> per side of the stream? left side <u>0</u> %    right side <u>0</u> % Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the: left side <u>no</u> right side <u>yes</u> What is the % cover of <u>shrubs</u> per side of the stream? 0%    1%    Observer initials:		12. Pick the category that best describes the extent to which vegetation <u>shades</u> the stream: <input checked="" type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %			
14. Describe the streamside cover. Check "P" if present, "C" if common a) <u>Along the water's edge and stream bank only</u> (facing upstream): Left    Right P    C    P    C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions		13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: Left    Right <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Vertical/undercut Steeply sloping (>30°) Gradual/No slope (<30°) b) Shape of the channel: <input type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input checked="" type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow					
b) <u>From the top of the streambank out to 50 feet</u> : Left    Right P    C    P    C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks Gravel/Sand Bare Soil Pavement, Structures		16. Ordinary High Water Mark Determination Check "P" if observed; Check "U" if used to determine OHWM P    U <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Natural line impressed on the bank Shelving Changes in the character of soil Destruction of terrestrial vegetation Presence of litter and debris Wracking Vegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events Bed and banks Water staining Change in plant community					
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19. Additional Comments <u>on south end, riprap and 72" culvert present; on north end, riprap and 60" culvert present; maintained lawn on both sides</u>		18. Observed Fauna (make note of wildlife deterrents such as bird wires) List <input checked="" type="checkbox"/> Invertebrates <u>dragonfly</u> <input checked="" type="checkbox"/> Birds <u>heron, mallard</u> <input type="checkbox"/> Mammals <input checked="" type="checkbox"/> Reptile/Amphians <u>frog</u> <input type="checkbox"/> Fish					

<b>Stream Characterization</b>		<b>Date:</b> 9/25/2019	<b>Time:</b> 10:55am	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 31		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT		<b>9. Water Appearance:</b> <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:		<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																																																																	
<b>1. a) Approximate depth of water in stream:</b> <input type="checkbox"/> N/A <input type="checkbox"/> 2-4 inches <b>b) Approximate width of water flow:</b> <input type="checkbox"/> N/A <input type="checkbox"/> 2-4 ft <b>c) Approximate width of stream:</b> (from top of bank to top of bank) <input type="checkbox"/> 3-10 ft <b>d) Approximate height of banks (channel depth):</b> left <input type="checkbox"/> 10 inches right <input type="checkbox"/> 2 inches <b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> N/A		<b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A <b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A <b>6. Nature of the particles in the stream bottom:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			None	Little	Some	Most	silt/clay/mud				<input checked="" type="checkbox"/>	sand					gravel					cobbles (2 - 10" diam.)			<input checked="" type="checkbox"/>		boulders (> 10" diam.)					bedrock					<b>11. Presence of logs or large woody debris in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful <b>12. Pick the category that best describes the extent to which vegetation shades the stream:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <td>0%</td> <td>50%</td> <td>100%</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>25%</td> <td>75%</td> <td>other - %</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>		0%	50%	100%	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25%	75%	other - %	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																																																																			
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<b>2. Plant Species Adjacent to stream (scientific name):</b> <b>Trees:</b>  <b>Understory:</b>  		<b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> no right side <input checked="" type="checkbox"/> yes <b>What is the % cover of <u>trees</u> per side of the stream?</b> left side <input type="checkbox"/> 0 % right side <input type="checkbox"/> 5 % <b>Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> no right side <input type="checkbox"/> no <b>What is the % cover of <u>shrubs</u> per side of the stream?</b> Observer initials:		<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b> <b>a) Stream bank:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Vertical/undercut</td> <td></td> </tr> <tr> <td>Steeply sloping (&gt;30°)</td> <td></td> </tr> <tr> <td>Gradual/No slope (&lt;30°)</td> <td><input checked="" type="checkbox"/></td> </tr> </table> <b>b) Shape of the channel:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Narrow, Deep</td> <td>Wide, Deep</td> </tr> <tr> <td>Narrow, Shallow</td> <td>Wide, Shallow</td> </tr> </table>		Left	Right	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vertical/undercut		Steeply sloping (>30°)		Gradual/No slope (<30°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Narrow, Deep	Wide, Deep	Narrow, Shallow	Wide, Shallow																																																																																																																																		
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<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Trees</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td></td> <td></td> <td>Bushes, Shrubs</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Tall grasses, forbs</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Lawn, maintained landscape</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Boulders/Rocks/Rip Rap</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Gravel/Sand</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Bare Soil</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Pavement, Structures, Gabions</td> <td></td> <td></td> </tr> </table> <b>b) From the top of the streambank out to 50 feet:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td></td> <td></td> <td>Trees</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Bushes, Shrubs</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Tall grasses, forbs</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Lawn, maintained landscape</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Boulders/Rocks</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Gravel/Sand</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Bare Soil</td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td></td> <td>Pavement, Structures</td> <td><input checked="" type="checkbox"/></td> <td></td> </tr> </table>		Left			Right		P	C		P	C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Bushes, Shrubs					Tall grasses, forbs					Lawn, maintained landscape					Boulders/Rocks/Rip Rap					Gravel/Sand					Bare Soil					Pavement, Structures, Gabions			Left			Right		P	C		P	C			Trees					Bushes, Shrubs					Tall grasses, forbs					Lawn, maintained landscape					Boulders/Rocks					Gravel/Sand					Bare Soil			<input checked="" type="checkbox"/>		Pavement, Structures	<input checked="" type="checkbox"/>		<b>16. Ordinary High Water Mark Determination</b> Check "P" if observed; Check "U" if used to determine OHWM <table border="1" style="width:100%; text-align: center;"> <tr> <th>P</th> <th>U</th> <th></th> </tr> <tr> <td></td> <td></td> <td>Natural line impressed on the bank</td> </tr> <tr> <td></td> <td></td> <td>Shelving</td> </tr> <tr> <td></td> <td></td> <td>Changes in the character of soil</td> </tr> <tr> <td></td> <td></td> <td>Destruction of terrestrial vegetation</td> </tr> <tr> <td></td> <td></td> <td>Presence of litter and debris</td> </tr> <tr> <td></td> <td></td> <td>Wracking</td> </tr> <tr> <td></td> <td></td> <td>Vegetation matted down; bent, or absent</td> </tr> <tr> <td></td> <td></td> <td>Sediment sorting</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td></td> <td>Leaf litter disturbed or washed away</td> </tr> <tr> <td></td> <td></td> <td>Scour</td> </tr> <tr> <td></td> <td></td> <td>Deposition</td> </tr> <tr> <td></td> <td></td> <td>Multiple observed flow events</td> </tr> <tr> <td></td> <td></td> <td>Bed and banks</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Water staining</td> </tr> <tr> <td></td> <td></td> <td>Change in plant community</td> </tr> </table>		P	U				Natural line impressed on the bank			Shelving			Changes in the character of soil			Destruction of terrestrial vegetation			Presence of litter and debris			Wracking			Vegetation matted down; bent, or absent			Sediment sorting	<input checked="" type="checkbox"/>		Leaf litter disturbed or washed away			Scour			Deposition			Multiple observed flow events			Bed and banks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water staining			Change in plant community
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Characterization		Date: 9/26/8 9/27	Time: 6:00pm	Site: ORD	County: Cook
Field ID: Stream/Ditch		Stream Name: Ditch 32		Investigators: CBM, BJH	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Showers (intermittent rain) <input checked="" type="checkbox"/> Clear/Sunny		3. Circle flow regime: <u>EPHEMERAL</u> PERENNIAL <u>INTERMITTENT</u> 4. Stream habitats present: <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A		9. Water Appearance: <input type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input checked="" type="checkbox"/> orange <input type="checkbox"/> none <input type="checkbox"/> greenish <input type="checkbox"/> other little water		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none																																																																																																					
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A <input type="checkbox"/> 0-6 inches b) Approximate width of water flow: <input type="checkbox"/> N/A <input type="checkbox"/> 6-8 ft c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 25 ft d) Approximate height of banks (channel depth): left <input type="checkbox"/> 3 ft right <input type="checkbox"/> 5 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A		5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: silt/clay/mud <input type="checkbox"/> None <input type="checkbox"/> Little <input type="checkbox"/> Some <input checked="" type="checkbox"/> Most sand <input type="checkbox"/> gravel <input type="checkbox"/> cobbles (2 - 10" diam.) <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> bedrock <input type="checkbox"/> 7. Presence of naturally occurring organic material in stream: <input type="checkbox"/> None <input type="checkbox"/> Occasional <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Plentiful		11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful 12. Pick the category that best describes the extent to which vegetation shades the stream: <input type="checkbox"/> 0% <input checked="" type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																																																																																							
2. Plant Species Adjacent to stream (scientific name): Trees: <u>Rhamnus cathartica, Fraxinus pensylvanica</u> Understory: <u>Solidago sempervirens, Typha angustifolia, Phragmites australis</u>		8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the: left side <input checked="" type="checkbox"/> yes right side <input type="checkbox"/> no What is the % cover of <u>trees</u> per side of the stream? left side <input type="checkbox"/> 10 % right side <input type="checkbox"/> 0 % Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the: left side <input checked="" type="checkbox"/> yes right side <input type="checkbox"/> no What is the % cover of <u>shrubs</u> per side of the stream? 50% <input type="checkbox"/> 0 <input type="checkbox"/> Observer initials: <input type="checkbox"/>		13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: Left <input type="checkbox"/> Vertical/undercut <input type="checkbox"/> Right <input type="checkbox"/> <input checked="" type="checkbox"/> Steeply sloping (>30°) <input type="checkbox"/> <input type="checkbox"/> Gradual/No slope (<30°) <input checked="" type="checkbox"/> b) Shape of the channel: <input checked="" type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow																																																																																																							
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Datasheet entered by:
Last Revised: 09/25

<b>Stream Characterization</b>		<b>Date:</b> 9/27/2019	<b>Time:</b> 9:30am	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 33		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT	<b>9. Water Appearance:</b> <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																	
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<b>19. Additional Comments</b> 30" culvert on left side discharging into ditch; 12" side culvert on right 30" culvert at west end		<b>Datasheet entered by:</b> <b>Last Revised:</b> 09/25																																																																																																			

<b>Stream Characterization</b>		<b>Date:</b> 9/17/2019	<b>Time:</b> 4:10pm	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 34		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT		<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> sewage <input type="checkbox"/> milky <input type="checkbox"/> chlorine <input type="checkbox"/> foamy <input type="checkbox"/> fishy <input type="checkbox"/> turbid <input type="checkbox"/> rotten eggs <input type="checkbox"/> light brown <input type="checkbox"/> organic <input type="checkbox"/> dark brown <input type="checkbox"/> other: <input type="checkbox"/> oily sheen <input checked="" type="checkbox"/> none <input type="checkbox"/> orange <input checked="" type="checkbox"/> greenish <input type="checkbox"/> other:																																																																																																																																											
<b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A		<b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A		<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none																																																																																																																																											
<b>1. a) Approximate depth of water in stream:</b> <input type="checkbox"/> N/A		<b>6. Nature of the particles in the stream bottom:</b> silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock		<b>11. Presence of logs or large woody debris in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful																																																																																																																																											
<b>b) Approximate width of water flow:</b> <input type="checkbox"/> N/A		<b>7. Presence of naturally occurring organic material in stream:</b> <input type="checkbox"/> None <input type="checkbox"/> Occasional <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Plentiful		<b>12. Pick the category that best describes the extent to which vegetation shades the stream:</b> <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input checked="" type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																																																																																																																											
<b>c) Approximate width of stream: (from top of bank to top of bank)</b> 50 ft		<b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> no <input type="checkbox"/> right side <input type="checkbox"/> no What is the % cover of <u>trees</u> per side of the stream? left side <input type="checkbox"/> 0 % <input type="checkbox"/> right side <input type="checkbox"/> 0 %		<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b> <b>a) Stream bank:</b> Left <input checked="" type="checkbox"/> Vertical/undercut <input type="checkbox"/> Right <input type="checkbox"/> Steeply sloping (>30°) <input checked="" type="checkbox"/> Gradual/No slope (<30°)																																																																																																																																											
<b>d) Approximate height of banks (channel depth):</b> left <input type="checkbox"/> 10 inches <input type="checkbox"/> right <input type="checkbox"/> 12 inches		<b>9. Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> no <input type="checkbox"/> right side <input type="checkbox"/> no What is the % cover of <u>shrubs</u> per side of the stream? left side <input type="checkbox"/> 0 % <input type="checkbox"/> right side <input type="checkbox"/> 0 %		<b>b) Shape of the channel:</b> <input checked="" type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow																																																																																																																																											
<b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> N/A		<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> Left <input type="checkbox"/> P <input type="checkbox"/> C <table border="0" style="width:100%;"> <tr><td><input type="checkbox"/></td><td>Trees</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Bushes, Shrubs</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Tall grasses, forbs</td><td><input checked="" type="checkbox"/></td><td>X</td><td><input checked="" type="checkbox"/></td><td>X</td></tr> <tr><td><input type="checkbox"/></td><td>Lawn, maintained landscape</td><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td>Boulders/Rocks/Rip Rap</td><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td>Gravel/Sand</td><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td>Bare Soil</td><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input checked="" type="checkbox"/></td><td>Pavement, Structures, Gabions</td><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td><td></td></tr> </table>		<input type="checkbox"/>	Trees	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Bushes, Shrubs	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Tall grasses, forbs	<input checked="" type="checkbox"/>	X	<input checked="" type="checkbox"/>	X	<input type="checkbox"/>	Lawn, maintained landscape	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	Boulders/Rocks/Rip Rap	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	Gravel/Sand	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	Bare Soil	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	Pavement, Structures, Gabions	<input type="checkbox"/>		<input type="checkbox"/>		<b>16. Ordinary High Water Mark Determination</b> Check "P" if observed; Check "U" if used to determine OHWM <table border="0" style="width:100%;"> <tr><td><input type="checkbox"/></td><td>Natural line impressed on the bank</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Shelving</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Changes in the character of soil</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Destruction of terrestrial vegetation</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Presence of litter and debris</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Wracking</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Vegetation matted down; bent, or absent</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Sediment sorting</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Leaf litter disturbed or washed away</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Scour</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Deposition</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Multiple observed flow events</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Bed and banks</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input type="checkbox"/></td><td>Water staining</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>Change in plant community</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>U</td></tr> </table>		<input type="checkbox"/>	Natural line impressed on the bank	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Shelving	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Changes in the character of soil	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Destruction of terrestrial vegetation	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Presence of litter and debris	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Wracking	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Vegetation matted down; bent, or absent	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Sediment sorting	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Leaf litter disturbed or washed away	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Scour	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Deposition	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Multiple observed flow events	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Bed and banks	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input type="checkbox"/>	Water staining	<input type="checkbox"/>	P	<input type="checkbox"/>	U	<input checked="" type="checkbox"/>	Change in plant community	<input type="checkbox"/>	P	<input type="checkbox"/>	U
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<b>15. In the vicinity of the stream, Check "P" if present, "C" if common:</b> Left <input type="checkbox"/> P <input type="checkbox"/> C <table border="0" style="width:100%;"> <tr><td><input type="checkbox"/></td><td>Natural Streamside plant cover degraded</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Banks collapsed/eroded</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Garbage/junk adjacent to the stream</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Foam or sheen on bank</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Mud, silt, or sand in or entering the stream</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Garbage/junk in the stream</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Yard waste on bank (clippings, leaves, etc.)</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>Livestock in or with unrestricted access</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>Actively discharging pipes</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Other pipes</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> <tr><td><input type="checkbox"/></td><td>Ditches entering stream</td><td><input type="checkbox"/></td><td>P</td><td><input type="checkbox"/></td><td>C</td></tr> </table>		<input type="checkbox"/>	Natural Streamside plant cover degraded	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Banks collapsed/eroded	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Garbage/junk adjacent to the stream	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Foam or sheen on bank	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Mud, silt, or sand in or entering the stream	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Garbage/junk in the stream	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Yard waste on bank (clippings, leaves, etc.)	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input checked="" type="checkbox"/>	Livestock in or with unrestricted access	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input checked="" type="checkbox"/>	Actively discharging pipes	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Other pipes	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<input type="checkbox"/>	Ditches entering stream	<input type="checkbox"/>	P	<input type="checkbox"/>	C	<b>18. Observed Fauna (make note of wildlife deterrents such as bird wires)</b> List <input type="checkbox"/> Invertebrates <input type="checkbox"/> Birds <input type="checkbox"/> Mammals <input type="checkbox"/> Reptile/Amphians <input type="checkbox"/> Fish																																																																											
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<b>19. Additional Comments</b> Phragmites dominated ditch behind parking lot.		Datasheet entered by:		Last Revised: 09/25																																																																																																																																											

<b>Stream Characterization</b>		<b>Date:</b> 9/19/2019	<b>Time:</b> 8:15am	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 35		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Showers (intermittent rain) <input checked="" type="checkbox"/> Clear/Sunny	<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL INTERMITTENT	<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input checked="" type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:																																																																																																																																																					
<b>1. a) Approximate depth of water in stream:</b> <input type="checkbox"/> N/A 6 inches <b>b) Approximate width of water flow:</b> <input checked="" type="checkbox"/> N/A <b>c) Approximate width of stream:</b> (from top of bank to top of bank) 15 ft <b>d) Approximate height of banks (channel depth):</b> left 35 ft right 35 ft <b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> N/A	<b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> Run(s) N/A <b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A <b>6. Nature of the particles in the stream bottom:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		None	Little	Some	Most	silt/clay/mud				X	sand					gravel					cobbles (2 - 10" diam.)					boulders (> 10" diam.)					bedrock					<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none <b>11. Presence of logs or large woody debris in stream:</b> <input type="checkbox"/> None <input checked="" type="checkbox"/> Occasional <input type="checkbox"/> Plentiful																																																																																																																		
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<b>2. Plant Species Adjacent to stream (scientific name):</b> <b>Trees:</b>  <b>Understory:</b> <i>Typha angustifolia, Solidago sempervirens,</i> <i>Dipsacus laciniatus, Rhamnus cathartica</i>	<b>7. Presence of naturally occurring organic material in stream:</b> <input type="checkbox"/> None <input type="checkbox"/> Occasional <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Plentiful <b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b> left side <u>no</u> right side <u>no</u> <b>What is the % cover of <u>trees</u> per side of the stream?</b> left side <u>0</u> % right side <u>0</u> % <b>Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b> left side <u>yes</u> right side <u>yes</u> <b>What is the % cover of <u>shrubs</u> per side of the stream?</b> 5% 5%	<b>12. Pick the category that best describes the extent to which vegetation <u>shades</u> the stream:</b> <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input checked="" type="checkbox"/> 25% <input checked="" type="checkbox"/> 75% <input type="checkbox"/> other - % <b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b> <b>a) Stream bank:</b> Left <input type="checkbox"/> Right <input type="checkbox"/> <input checked="" type="checkbox"/> Vertical/undercut <input type="checkbox"/> Steeply sloping (>30°) <input checked="" type="checkbox"/> Gradual/No slope (<30°) <b>b) Shape of the channel:</b> <input type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input checked="" type="checkbox"/> Wide, Shallow																																																																																																																																																					
<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td>X</td> <td></td> <td>Trees</td> <td>X</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>Bushes, Shrubs</td> <td>X</td> <td>X</td> </tr> <tr> <td></td> <td></td> <td>Tall grasses, forbs</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Lawn, maintained landscape</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Boulders/Rocks/Rip Rap</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Gravel/Sand</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Bare Soil</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Pavement, Structures, Gabions</td> <td></td> <td></td> </tr> </table> <b>b) From the top of the streambank out to 50 feet:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td>X</td> <td>X</td> <td>Trees</td> <td>X</td> <td>X</td> </tr> <tr> <td></td> <td></td> <td>Bushes, Shrubs</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Tall grasses, forbs</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Lawn, maintained landscape</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Boulders/Rocks</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Gravel/Sand</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Bare Soil</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Pavement, Structures</td> <td></td> <td></td> </tr> </table>		Left			Right		P	C		P	C	X		Trees	X		X	X	Bushes, Shrubs	X	X			Tall grasses, forbs					Lawn, maintained landscape					Boulders/Rocks/Rip Rap					Gravel/Sand					Bare Soil					Pavement, Structures, Gabions			Left			Right		P	C		P	C	X	X	Trees	X	X			Bushes, Shrubs					Tall grasses, forbs					Lawn, maintained landscape					Boulders/Rocks					Gravel/Sand					Bare Soil					Pavement, Structures			<b>16. Ordinary High Water Mark Determination</b> Check "P" if observed; Check "U" if used to determine OHWM <table border="1" style="width:100%; text-align: center;"> <tr> <th>P</th> <th>U</th> <th></th> </tr> <tr> <td></td> <td></td> <td>Natural line impressed on the bank</td> </tr> <tr> <td></td> <td></td> <td>Shelving</td> </tr> <tr> <td></td> <td></td> <td>Changes in the character of soil</td> </tr> <tr> <td></td> <td></td> <td>Destruction of terrestrial vegetation</td> </tr> <tr> <td></td> <td></td> <td>Presence of litter and debris</td> </tr> <tr> <td></td> <td></td> <td>Wracking</td> </tr> <tr> <td></td> <td></td> <td>Vegetation matted down; bent, or absent</td> </tr> <tr> <td></td> <td></td> <td>Sediment sorting</td> </tr> <tr> <td></td> <td></td> <td>Leaf litter disturbed or washed away</td> </tr> <tr> <td></td> <td></td> <td>Scour</td> </tr> <tr> <td></td> <td></td> <td>Deposition</td> </tr> <tr> <td></td> <td></td> <td>Multiple observed flow events</td> </tr> <tr> <td></td> <td></td> <td>Bed and banks</td> </tr> <tr> <td></td> <td></td> <td>Water staining</td> </tr> <tr> <td>X</td> <td>X</td> <td>Change in plant community</td> </tr> </table>		P	U				Natural line impressed on the bank			Shelving			Changes in the character of soil			Destruction of terrestrial vegetation			Presence of litter and debris			Wracking			Vegetation matted down; bent, or absent			Sediment sorting			Leaf litter disturbed or washed away			Scour			Deposition			Multiple observed flow events			Bed and banks			Water staining	X	X	Change in plant community
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<b>Stream Characterization</b>		<b>Date:</b> 9/19/2019	<b>Time:</b> 8:15am	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 36		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT		<b>9. Water Appearance:</b> <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:		<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																																					
<b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A		<b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A		<b>11. Presence of logs or large woody debris in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful		<b>12. Pick the category that best describes the extent to which vegetation shades the stream:</b> <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input checked="" type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																																																																																																					
<b>1. a) Approximate depth of water in stream:</b> <input type="checkbox"/> N/A <input type="checkbox"/> 3-4 inches <b>b) Approximate width of water flow:</b> <input type="checkbox"/> N/A <input type="checkbox"/> 10 ft <b>c) Approximate width of stream: (from top of bank to top of bank)</b> <input type="checkbox"/> 45 ft <b>d) Approximate height of banks (channel depth):</b> left <input type="checkbox"/> 15 ft right <input type="checkbox"/> 15 ft <b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> N/A		<b>6. Nature of the particles in the stream bottom:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			None	Little	Some	Most	silt/clay/mud				<input checked="" type="checkbox"/>	sand					gravel					cobbles (2 - 10" diam.)			<input checked="" type="checkbox"/>		boulders (> 10" diam.)					bedrock					<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b> <table border="1" style="width:100%;"> <tr> <th colspan="2">a) Stream bank:</th> <th>Right</th> </tr> <tr> <td>Left</td> <td>Vertical/undercut</td> <td></td> </tr> <tr> <td></td> <td>Steeply sloping (&gt;30°)</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td></td> <td>Gradual/No slope (&lt;30°)</td> <td></td> </tr> <tr> <th colspan="2">b) Shape of the channel:</th> <td></td> </tr> <tr> <td></td> <td>Narrow, Deep</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Narrow, Shallow</td> <td></td> </tr> <tr> <td></td> <td>Wide, Deep</td> <td></td> </tr> <tr> <td></td> <td>Wide, Shallow</td> <td></td> </tr> </table>		a) Stream bank:		Right	Left	Vertical/undercut			Steeply sloping (>30°)	<input checked="" type="checkbox"/>		Gradual/No slope (<30°)		b) Shape of the channel:				Narrow, Deep		<input checked="" type="checkbox"/>	Narrow, Shallow			Wide, Deep			Wide, Shallow																																																									
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<b>15. In the vicinity of the stream, Check "P" if present, "C" if common:</b> <table border="1" style="width:100%;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr><td></td><td></td><td>Natural Streamside plant cover degraded</td><td></td><td></td></tr> <tr><td></td><td></td><td>Banks collapsed/eroded</td><td></td><td></td></tr> <tr><td></td><td></td><td>Garbage/junk adjacent to the stream</td><td></td><td></td></tr> <tr><td></td><td></td><td>Foam or sheen on bank</td><td></td><td></td></tr> <tr><td><input checked="" type="checkbox"/></td><td></td><td>Mud, silt, or sand in or entering the stream</td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td></td><td></td><td>Garbage/junk in the stream</td><td></td><td></td></tr> <tr><td></td><td></td><td>Yard waste on bank (clippings, leaves, etc.)</td><td></td><td></td></tr> <tr><td></td><td></td><td>Livestock in or with unrestricted access</td><td></td><td></td></tr> <tr><td></td><td></td><td>Actively discharging pipes</td><td></td><td></td></tr> <tr><td></td><td></td><td>Other pipes</td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td></td><td></td><td>Ditches entering stream</td><td></td><td></td></tr> </table>		Left			Right		P	C		P	C			Natural Streamside plant cover degraded					Banks collapsed/eroded					Garbage/junk adjacent to the stream					Foam or sheen on bank			<input checked="" type="checkbox"/>		Mud, silt, or sand in or entering the stream	<input checked="" type="checkbox"/>				Garbage/junk in the stream					Yard waste on bank (clippings, leaves, etc.)					Livestock in or with unrestricted access					Actively discharging pipes					Other pipes	<input checked="" type="checkbox"/>				Ditches entering stream			<b>18. Observed Fauna (make note of wildlife deterrents such as bird wires)</b> <table border="1" style="width:100%;"> <tr> <th></th> <th>List</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Invertebrates <u>butterflies, grasshoppers</u></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Birds</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Mammals</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Reptile/Amphians</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Fish</td> </tr> </table>			List	<input checked="" type="checkbox"/>	Invertebrates <u>butterflies, grasshoppers</u>	<input type="checkbox"/>	Birds	<input type="checkbox"/>	Mammals	<input type="checkbox"/>	Reptile/Amphians	<input type="checkbox"/>	Fish	<b>19. Additional Comments</b> culvert at east end drains to Crystal Creek includes SE65?																																										
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P	C		P	C																																																																																																																							
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<b>Datasheet entered by:</b>				<b>Last Revised:</b> 09/25																																																																																																																							

<b>Stream Characterization</b>		<b>Date:</b> 9/27/2019	<b>Time:</b>	<b>Site:</b> ORD	<b>County:</b>	<b>DuPage</b>
<b>Field ID:</b> Stream Ditch		<b>Stream Name:</b> Ditch 37		<b>Investigators:</b>		BHJ

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain)    Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL PERENNIAL <u>INTERMITTENT</u>		9. Water Appearance: <input type="checkbox"/> clear <input type="checkbox"/> sewage <input type="checkbox"/> milky    chlorine <input type="checkbox"/> foamy    fishy <input type="checkbox"/> turbid    rotten eggs <input type="checkbox"/> light brown    organic <input type="checkbox"/> dark brown    other: <input type="checkbox"/> oily sheen    X none <input type="checkbox"/> orange    none <input type="checkbox"/> greenish    X <input type="checkbox"/> other:		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none	
1. a) Approximate depth of water in stream: <input checked="" type="checkbox"/> N/A		5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A					
b) Approximate width of water flow: <input checked="" type="checkbox"/> N/A		6. Nature of the particles in the stream bottom: None Little Some Most					
c) Approximate width of stream: (from top of bank to top of bank)		d) Approximate height of banks (channel depth): left 3 ft right 3 ft					
e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A		7. Presence of naturally occurring organic material in stream: <input type="checkbox"/> None <input type="checkbox"/> Occasional <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Plentiful					
2. Plant Species Adjacent to stream (scientific name): Trees:  Understory: Digitaria cognata, Eupatorium serotinum, Phalaris arundinacea, Solidago sempervirens		8. Facing upstream, does this stream have tree cover for 50 feet on the: left side no right side no What is the % cover of trees per side of the stream? left side 0% right side 0%					
		Facing upstream, does this stream have shrub cover for 50 feet on the: left side no right side no What is the % cover of shrubs per side of the stream? 0 0					
		Observer initials:					
14. Describe the streamside cover. Check "P" if present, "C" if common a) Along the water's edge and stream bank only (facing upstream): Left P C Right P C Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions							
b) From the top of the streambank out to 50 feet: Left P C Right P C Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks Gravel/Sand Bare Soil Pavement, Structures							
15. In the vicinity of the stream, Check "P" if present, "C" if common: Left P C Right P C Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/junk adjacent to the stream Foam or silt on bank Mud, silt, or sand in or entering the stream Garbage/junk in the stream Yard waste on bank (clippings, leaves, etc.) Livestock in or with unrestricted access Actively discharging pipes Other pipes Ditches entering stream							
		16. Ordinary High Water Mark Determination Check "P" if observed; Check "U" if used to determine OHWM P U Natural line impressed on the bank Shelving Changes in the character of soil Destruction of terrestrial vegetation Presence of litter and debris Wracking Vegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events Bed and banks Water staining Change in plant community					
		17. Waters Type X DELINEATE TNW TNWW RPW RPWWD RPWNN NRPW NRPWW ISOLATE UPLAND TNRWPD					
		18. Observed Fauna (make note of wildlife deterrents such as bird wires) List Invertebrates Birds Mammals Reptile/Amphians Fish					
		19. Additional Comments					

Data sheet entered by: Last Revised: 09/25



Stream Characterization		Date: 9/28/2019	Time: 5:05pm	Site: ORD	County: Cook
Field ID: Stream <u>Ditch</u>		Stream Name: Ditch 38		Investigators: CBM, BJH	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: <u>EPHEMERAL</u> PERENNIAL <u>INTERMITTENT</u>		9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> none <input type="checkbox"/> greenish <input type="checkbox"/> other:		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none	
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A <input type="checkbox"/> 4-6 inches b) Approximate width of water flow: <input type="checkbox"/> N/A <input type="checkbox"/> 4-5 ft c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 30 ft d) Approximate height of banks (channel depth): left <input type="checkbox"/> 15 ft    right <input type="checkbox"/> 15 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A <input type="checkbox"/>		5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: None    Little    Some    Most silt/clay/mud <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> sand <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> gravel <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> cobbles (2 - 10" diam.) <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> bedrock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful 12. Pick the category that best describes the extent to which vegetation <u>shades</u> the stream: <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input checked="" type="checkbox"/> 75% other -    %			
2. Plant Species Adjacent to stream (scientific name): Trees:    Understory: <i>Phragmites australis</i> , <i>Lythrum salicaria</i> , <i>Cyperus esculentus</i>    		8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the: left side <input type="checkbox"/> no    right side <input type="checkbox"/> no What is the % cover of <u>trees</u> per side of the stream? left side <input type="checkbox"/> 0 %    right side <input type="checkbox"/> 0 % Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the: left side <input type="checkbox"/> no    right side <input type="checkbox"/> no What is the % cover of <u>shrubs</u> per side of the stream? left side <input type="checkbox"/> no    right side <input type="checkbox"/> no Observer initials: <input type="checkbox"/> X <input type="checkbox"/>		13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: Left <input checked="" type="checkbox"/> Vertical/undercut    Right Steeply sloping (>30°) <input checked="" type="checkbox"/> Gradual/No slope (<30°) b) Shape of the channel: <input checked="" type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow			
14. Describe the streamside cover. Check "P" if present, "C" if common a) <u>Along the water's edge and stream bank only</u> (facing upstream): Left <input type="checkbox"/> P <input type="checkbox"/> C    Right <input type="checkbox"/> P <input type="checkbox"/> C <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Bushes, Shrubs <input checked="" type="checkbox"/> Tall grasses, forbs <input type="checkbox"/> Lawn, maintained landscape <input type="checkbox"/> Boulders/Rocks/Rip Rap <input type="checkbox"/> Gravel/Sand <input type="checkbox"/> Bare Soil <input type="checkbox"/> Pavement, Structures, Gabions							
b) <u>From the top of the streambank out to 50 feet</u> : Left <input type="checkbox"/> P <input type="checkbox"/> C    Right <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> Trees <input type="checkbox"/> Bushes, Shrubs <input type="checkbox"/> Tall grasses, forbs <input type="checkbox"/> Lawn, maintained landscape <input type="checkbox"/> Boulders/Rocks <input type="checkbox"/> Gravel/Sand <input type="checkbox"/> Bare Soil <input type="checkbox"/> Pavement, Structures							
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16. Ordinary High Water Mark Determination Check "P" if observed; Check "U" if used to determine OHWM P    U    Natural line impressed on the bank <input type="checkbox"/> Shelving <input type="checkbox"/> Changes in the character of soil <input type="checkbox"/> Destruction of terrestrial vegetation <input checked="" type="checkbox"/> Presence of litter and debris <input type="checkbox"/> Wracking <input type="checkbox"/> Vegetation matted down; bent, or absent <input type="checkbox"/> Sediment sorting <input type="checkbox"/> Leaf litter disturbed or washed away <input type="checkbox"/> Scour <input type="checkbox"/> Deposition <input type="checkbox"/> Multiple observed flow events <input type="checkbox"/> Bed and banks <input type="checkbox"/> Water staining <input checked="" type="checkbox"/> Change in plant community			
17. Waters Type X    DELINEATE <input type="checkbox"/> RPWNN <input type="checkbox"/> TNW <input type="checkbox"/> NRPW <input type="checkbox"/> TNWW <input type="checkbox"/> NRPWW <input type="checkbox"/> RPW <input type="checkbox"/> ISOLATE <input type="checkbox"/> RPWWD <input type="checkbox"/> UPLAND <input type="checkbox"/> TNWRPW			
18. Observed Fauna (make note of wildlife deterrents such as bird wires) <input type="checkbox"/> Invertebrates <input type="checkbox"/> Birds <input type="checkbox"/> Mammals <input type="checkbox"/> Reptile/Amphians <input type="checkbox"/> Fish			
19. Additional Comments solid phragmites filled ditch with culverts right side: 2 36" culverts, 1 48" culvert with grates from stockpile to north left side: quad 30" round culverts with wall Datasheet entered by:			

Last Revised: 09/25

<b>Stream Characterization</b>		<b>Date:</b> 8/30/2019	<b>Time:</b> 1:30pm	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 39		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL INTERMITTENT		<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> sewage <input type="checkbox"/> milky <input type="checkbox"/> chlorine <input type="checkbox"/> foamy <input type="checkbox"/> fishy <input type="checkbox"/> turbid <input type="checkbox"/> rotten eggs <input type="checkbox"/> light brown <input type="checkbox"/> organic <input type="checkbox"/> dark brown <input type="checkbox"/> other: <input type="checkbox"/> oily sheen <input checked="" type="checkbox"/> none <input type="checkbox"/> orange <input checked="" type="checkbox"/> greenish <input type="checkbox"/> other:																																																																																																																																																			
<b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A		<b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A		<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none																																																																																																																																																			
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<b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b> left side <input checked="" type="checkbox"/> yes right side <input type="checkbox"/> no <b>What is the % cover of <u>trees</u> per side of the stream?</b> left side <input type="checkbox"/> 3 % right side <input type="checkbox"/> 0 % <b>Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> no right side <input type="checkbox"/> no <b>What is the % cover of <u>shrubs</u> per side of the stream?</b> Observer initials:		<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b> <b>a) Stream bank:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>Left</th> <th>Right</th> </tr> <tr> <td>Vertical/undercut</td> <td></td> <td></td> </tr> <tr> <td>Steeply sloping (&gt;30°)</td> <td></td> <td></td> </tr> <tr> <td>Gradual/No slope (&lt;30°)</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table> <b>b) Shape of the channel:</b> <input checked="" type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow			Left	Right	Vertical/undercut			Steeply sloping (>30°)			Gradual/No slope (<30°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																																																																																																																																								
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<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Trees</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Bushes, Shrubs</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Tall grasses, forbs</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Lawn, maintained landscape</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Boulders/Rocks/Rip Rap</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Gravel/Sand</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Bare Soil</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Pavement, Structures, Gabions</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table> <b>b) From the top of the streambank out to 50 feet:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Trees</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Bushes, Shrubs</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Tall grasses, forbs</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Lawn, maintained landscape</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Boulders/Rocks</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Gravel/Sand</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Bare Soil</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Pavement, Structures</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>		Left			Right		P	C		P	C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bushes, Shrubs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tall grasses, forbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Lawn, maintained landscape	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Boulders/Rocks/Rip Rap	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Gravel/Sand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bare Soil	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pavement, Structures, Gabions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Left			Right		P	C		P	C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bushes, Shrubs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tall grasses, forbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Lawn, maintained landscape	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Boulders/Rocks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Gravel/Sand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bare Soil	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pavement, Structures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<b>16. Ordinary High Water Mark Determination</b> Check "P" if observed; Check "U" if used to determine OHWM <table border="1" style="width:100%; text-align: center;"> <tr> <th>P</th> <th>U</th> <th></th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Natural line impressed on the bank</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Shelving</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Changes in the character of soil</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Destruction of terrestrial vegetation</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Presence of litter and debris</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Wracking</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Vegetation matted down; bent, or absent</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Sediment sorting</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Leaf litter disturbed or washed away</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Scour</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Deposition</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Multiple observed flow events</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Bed and banks</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Water staining</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Change in plant community</td> </tr> </table>		P	U		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Natural line impressed on the bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shelving	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Changes in the character of soil	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Destruction of terrestrial vegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Presence of litter and debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wracking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetation matted down; bent, or absent	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sediment sorting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Leaf litter disturbed or washed away	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scour	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deposition	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Multiple observed flow events	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bed and banks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water staining	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Change in plant community
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<b>18. Observed Fauna (make note of wildlife deterrents such as bird wires)</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>List</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Invertebrates butterfly</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Birds</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Mammals</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Reptile/Amphians frog</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Fish</td> </tr> </table>			List	<input checked="" type="checkbox"/>	Invertebrates butterfly	<input checked="" type="checkbox"/>	Birds	<input checked="" type="checkbox"/>	Mammals	<input checked="" type="checkbox"/>	Reptile/Amphians frog	<input checked="" type="checkbox"/>	Fish	<b>19. Additional Comments</b> Bird wire at entry point of Silver Creek																																																																																																																																									
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[illegible]

<b>Stream Characterization</b>		<b>Date:</b> 8/20/2019	<b>Time:</b> 1:30pm	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream Ditch		<b>Stream Name:</b> Ditch 41		<b>Investigators:</b> CBM, KAS	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL INTERMITTENT		<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input checked="" type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange    none <input type="checkbox"/> greenish <input type="checkbox"/> other:																																																																																																				
<b>1. a) Approximate depth of water in stream:</b> <input type="checkbox"/> N/A    4-6 inches  <b>b) Approximate width of water flow:</b> <input type="checkbox"/> N/A    15 ft  <b>c) Approximate width of stream:</b> (from top of bank to top of bank)    35 ft  <b>d) Approximate height of banks (channel depth):</b> left    5-15 ft    right    3-10 ft  <b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> X    N/A <input type="checkbox"/>		<b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s)    Run(s) <input type="checkbox"/> Riffles(s)    X    N/A  <b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input type="checkbox"/> N/A  <b>6. Nature of the particles in the stream bottom:</b> <div style="display: flex; justify-content: space-around;"> <span>None</span> <span>Little</span> <span>Some</span> <span>Most</span> </div> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>silt/clay/mud</td><td></td><td></td><td></td><td>X</td></tr> <tr><td>sand</td><td></td><td></td><td></td><td></td></tr> <tr><td>gravel</td><td></td><td></td><td></td><td></td></tr> <tr><td>cobbles (2 - 10" diam.)</td><td></td><td>X</td><td></td><td></td></tr> <tr><td>boulders (&gt; 10" diam.)</td><td></td><td></td><td></td><td></td></tr> <tr><td>bedrock</td><td></td><td></td><td></td><td></td></tr> </table>		silt/clay/mud				X	sand					gravel					cobbles (2 - 10" diam.)		X			boulders (> 10" diam.)					bedrock					<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: X    none																																																																						
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<b>Field ID:</b> <del>Stream/Ditch</del>		<b>Stream Name:</b> Ditch 42		<b>Investigators:</b> CBM	

  

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Datasheet entered by:				Last Revised: 09/25																																																																																																	

Stream Characterization		Date: 8/19/2019 Time: 2:30 PM Site: ORD		County: Cook	
Field ID: <u>Stream/Ditch</u>		Stream Name: <u>Ditch 43</u>		Investigators: <u>CBM</u>	
Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: <u>EPHEMERAL</u> <u>PERENNIAL</u> <input type="checkbox"/> INTERMITTENT		9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> none <input type="checkbox"/> greenish <input type="checkbox"/> other:	
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A <input type="checkbox"/> ? b) Approximate width of water flow: <input type="checkbox"/> N/A <input type="checkbox"/> 20 ft c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 25 ft d) Approximate height of banks (channel depth): left <input type="checkbox"/> 2 ft right <input type="checkbox"/> 2 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A <input type="checkbox"/>		4. Stream habitats present: <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A 5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: None Little Some Most silt/clay/mud <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> sand <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> gravel <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> cobbles (2 - 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> bedrock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none	
2. Plant Species Adjacent to stream (scientific name): Trees: Understory: <u>Typsa latifolia, Phragmites australis, Lythrum salicaria</u> <u>Pastihara sativa, Vitis riparia, Dipsacus fullonum</u>		7. Presence of naturally occurring organic material in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Unknown <input type="checkbox"/> Plentiful		11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful	
14. Describe the streamside cover. Check "P" if present, "C" if common a) <u>Along the water's edge and stream bank only</u> (facing upstream): Left P C Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions Right P C Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions		8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the: left side <u>no</u> right side <u>no</u> What is the % cover of <u>trees</u> per side of the stream? left side <u>0</u> % right side <u>0</u> % Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the: left side <u>yes</u> right side <u>yes</u> What is the % cover of <u>shrubs</u> per side of the stream? 25% 25% Observer initials:		12. Pick the category that best describes the extent to which vegetation <u>shades</u> the stream: <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input checked="" type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %	
b) <u>From the top of the streambank out to 50 feet</u> : Left P C Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions Right P C Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions		13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: Left <input type="checkbox"/> Vertical/undercut <input type="checkbox"/> Right <input checked="" type="checkbox"/> Steeply sloping (>30°) <input checked="" type="checkbox"/> <input type="checkbox"/> Gradual/No slope (<30°) b) Shape of the channel: <input checked="" type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow		15. <u>In the vicinity of the stream</u> , Check "P" if present, "C" if common: Left P C Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/junk adjacent to the stream Foam or sheen on bank Mud, silt, or sand in or entering the stream Garbage/junk in the stream Yard waste on bank (clippings, leaves, etc.) Livestock in or with unrestricted access Actively discharging pipes Other pipes Ditches entering stream Right P C Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/junk adjacent to the stream Foam or sheen on bank Mud, silt, or sand in or entering the stream Garbage/junk in the stream Yard waste on bank (clippings, leaves, etc.) Livestock in or with unrestricted access Actively discharging pipes Other pipes Ditches entering stream	
16. <u>Ordinary High Water Mark Determination</u> Check "P" if observed; Check "U" if used to determine OHWM P U Natural line impressed on the bank Shelving Changes in the character of soil Destruction of terrestrial vegetation Presence of litter and debris Wracking Vegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events Bed and banks Water staining Change in plant community		17. <u>Waters Type</u> DELINEATE TNW TNWW RPW RPWWD RPWNN NRPW NRPWW ISOLATE UPLAND TNWRPW		18. <u>Observed Fauna</u> (make note of wildlife deterrents such as bird wires) List <input checked="" type="checkbox"/> Invertebrates <u>bees, butterflies</u> <input checked="" type="checkbox"/> Birds <u>night heron</u> <input checked="" type="checkbox"/> Mammals <u>rabbits, mice</u> <input checked="" type="checkbox"/> Reptile/Amphians <u>frogs</u> <input type="checkbox"/> Fish	
19. <u>Additional Comments</u> North of post office enclosed on 3 sides by fence. Enters and exits area through culverts. 1 culvert discharging from post office.					

<b>Stream Characterization</b>		<b>Date:</b> 8/29/2019	<b>Time:</b> 11:45 AM	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 44		<b>Investigators:</b> CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT	<b>9. Water Appearance:</b> <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																																																																				
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<b>15. In the vicinity of the stream, Check "P" if present, "C" if common:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td></td> <td></td> <td>Natural Streamside plant cover degraded</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Banks collapsed/eroded</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Garbage/junk adjacent to the stream</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Foam or sheen on bank</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Mud, silt, or sand in or entering the stream</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Garbage/junk in the stream</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Yard waste on bank (clippings, leaves, etc.)</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Livestock in or with unrestricted access</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Actively discharging pipes</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Other pipes</td> <td></td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>Ditches entering stream</td> <td>X</td> <td></td> </tr> </table>		Left			Right		P	C		P	C			Natural Streamside plant cover degraded					Banks collapsed/eroded					Garbage/junk adjacent to the stream					Foam or sheen on bank					Mud, silt, or sand in or entering the stream					Garbage/junk in the stream					Yard waste on bank (clippings, leaves, etc.)					Livestock in or with unrestricted access					Actively discharging pipes					Other pipes			X		Ditches entering stream	X		<b>17. Waters Type</b> <table border="1" style="width:100%; text-align: center;"> <tr> <td>X</td> <td>DELINEATE</td> <td></td> <td>RPWNN</td> </tr> <tr> <td></td> <td>TNW</td> <td></td> <td>NRPW</td> </tr> <tr> <td></td> <td>TNWW</td> <td></td> <td>NRPW</td> </tr> <tr> <td></td> <td>RPW</td> <td></td> <td>ISOLATE</td> </tr> <tr> <td></td> <td>RPWWD</td> <td></td> <td>UPLAND</td> </tr> <tr> <td></td> <td></td> <td></td> <td>TNWRPW</td> </tr> </table>			X	DELINEATE		RPWNN		TNW		NRPW		TNWW		NRPW		RPW		ISOLATE		RPWWD		UPLAND				TNWRPW																																																											
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<b>18. Observed Fauna (make note of wildlife deterrents such as bird wires)</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">List</th> </tr> <tr> <td><input type="checkbox"/> Invertebrates</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Birds</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Mammals</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Reptile/Amphians</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Fish</td> <td></td> </tr> </table>		List		<input type="checkbox"/> Invertebrates		<input type="checkbox"/> Birds		<input type="checkbox"/> Mammals		<input type="checkbox"/> Reptile/Amphians		<input type="checkbox"/> Fish		<b>19. Additional Comments</b> riprap armored banks; ditch connected by multiple culverts box culverts draining into ditch																																																																																																																																										
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<b>Stream Characterization</b>		<b>Date:</b> 9/19/2019	<b>Time:</b> 5:30pm	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream <u>Ditch</u>		<b>Stream Name:</b> Ditch 45		<b>Investigators:</b> CBM, BJH	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL <input type="checkbox"/> PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>	9. Water Appearance: <input type="checkbox"/> clear <input checked="" type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input checked="" type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																																																																			
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A <input type="checkbox"/> 2-3 inches b) Approximate width of water flow: <input type="checkbox"/> N/A <input type="checkbox"/> 10 ft c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 20 ft d) Approximate height of banks (channel depth): left <input type="checkbox"/> 3 ft right <input type="checkbox"/> 3 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A		4. Stream habitats present: <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A 5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		None	Little	Some	Most	silt/clay/mud				<input checked="" type="checkbox"/>	sand					gravel					cobbles (2 - 10" diam.)					boulders (> 10" diam.)					bedrock					11. Presence of logs or large woody debris in stream: <input type="checkbox"/> None <input checked="" type="checkbox"/> Occasional <input type="checkbox"/> Plentiful 12. Pick the category that best describes the extent to which vegetation shades the stream: <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input checked="" type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																																																																																																	
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2. Plant Species Adjacent to stream (scientific name): Trees: Understory:		8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the: left side <u>yes</u> right side <u>yes</u> What is the % cover of <u>trees</u> per side of the stream? left side <u>100</u> % right side <u>5</u> % Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the: left side <u>no</u> right side <u>yes</u> What is the % cover of <u>shrubs</u> per side of the stream? left side <u>0</u> % right side <u>10</u> %	13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> </tr> <tr> <td><input checked="" type="checkbox"/> Vertical/undercut</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Steeply sloping (&gt;30°)</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Gradual/No slope (&lt;30°)</td> <td><input type="checkbox"/></td> </tr> </table> b) Shape of the channel: <input checked="" type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow		Left	Right	<input checked="" type="checkbox"/> Vertical/undercut	<input type="checkbox"/>	<input type="checkbox"/> Steeply sloping (>30°)	<input type="checkbox"/>	<input checked="" type="checkbox"/> Gradual/No slope (<30°)	<input type="checkbox"/>																																																																																																																																											
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14. Describe the streamside cover. 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Ordinary High Water Mark Determination Check "P" if observed; Check "U" if used to determine OHWM <table border="1" style="width:100%;"> <tr> <th>P</th> <th>U</th> <th></th> </tr> <tr> <td></td> <td></td> <td>Natural line impressed on the bank</td> </tr> <tr> <td></td> <td></td> <td>Shelving</td> </tr> <tr> <td></td> <td></td> <td>Changes in the character of soil</td> </tr> <tr> <td></td> <td></td> <td>Destruction of terrestrial vegetation</td> </tr> <tr> <td></td> <td></td> <td>Presence of litter and debris</td> </tr> <tr> <td></td> <td></td> <td>Wracking</td> </tr> <tr> <td></td> <td></td> <td>Vegetation matted down; bent, or absent</td> </tr> <tr> <td></td> <td></td> <td>Sediment sorting</td> </tr> <tr> <td></td> <td></td> <td>Leaf litter disturbed or washed away</td> </tr> <tr> <td></td> <td></td> <td>Scour</td> </tr> <tr> <td></td> <td></td> <td>Deposition</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Multiple observed flow events</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Bed and banks</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Water staining</td> </tr> <tr> <td></td> <td></td> <td>Change in plant community</td> </tr> </table>		P	U				Natural line impressed on the bank			Shelving			Changes in the character of soil			Destruction of terrestrial vegetation			Presence of litter and debris			Wracking			Vegetation matted down; bent, or absent			Sediment sorting			Leaf litter disturbed or washed away			Scour			Deposition	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Multiple observed flow events	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bed and banks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water staining			Change in plant community
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20. Datasheet entered by:		Last Revised: 09/25																																																																																																																																																					



<b>Stream Characterization</b>		<b>Date:</b> 9/28/2019	<b>Time:</b> 10:00am	<b>Site:</b> ORD	<b>County:</b>	<b>Cook</b>
<b>Field ID:</b> Stream Ditch		<b>Stream Name:</b> Ditch 46		<b>Investigators:</b>		CBM, BJH

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL      PERENNIAL INTERMITTENT		<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:		<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none																															
<b>1. a) Approximate depth of water in stream:</b> <input type="text"/> N/A		<b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A																																			
<b>b) Approximate width of water flow:</b> <input type="text"/> N/A		<b>6. Nature of the particles in the stream bottom:</b> <div style="display: flex; justify-content: space-around;"> <span>None</span> <span>Little</span> <span>Some</span> <span>Most</span> </div> <table border="1" style="margin-top: 5px;"> <tr><td>silt/clay/mud</td><td></td><td></td><td></td><td>X</td></tr> <tr><td>sand</td><td></td><td></td><td></td><td></td></tr> <tr><td>gravel</td><td></td><td></td><td></td><td></td></tr> <tr><td>cobbles (2 - 10" diam.)</td><td></td><td></td><td></td><td></td></tr> <tr><td>boulders (&gt; 10" diam.)</td><td></td><td></td><td></td><td></td></tr> <tr><td>bedrock</td><td></td><td></td><td></td><td></td></tr> </table>		silt/clay/mud				X	sand					gravel					cobbles (2 - 10" diam.)					boulders (> 10" diam.)					bedrock								
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<b>c) Approximate width of stream:</b> (from top of bank to top of bank) <div style="display: flex; justify-content: space-between;"> <span><input type="text"/></span> <span>4-6 ft</span> </div>		<b>7. Presence of naturally occurring organic material in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Unknown <input type="checkbox"/> Plentiful																																			
<b>d) Approximate height of banks (channel depth):</b> left <input type="text"/> 2 ft      right <input type="text"/> 2 ft																																					
<b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> X <input type="checkbox"/> N/A																																					

  

<b>2. Plant Species Adjacent to stream (scientific name):</b>  <b>Trees:</b> <i>Morus alba</i> , <i>Acer negundo</i> <i>Rhamnus cathartica</i>  <b>Understory:</b> <i>Phalaris arundinacea</i> , <i>Carex sp.</i> , <i>Solidago sempervirens</i> , <i>Rumex crispus</i> , <i>Eleocharis obtusa</i> , <i>Sambucus canadensis</i>		<b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b> left side <input type="text"/> no      right side <input type="text"/> yes  <b>What is the % cover of <u>trees</u> per side of the stream?</b> left side <input type="text"/> 0 %      right side <input type="text"/> 80 %  <b>Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b> left side <input type="text"/> no      right side <input type="text"/> yes  <b>What is the % cover of <u>shrubs</u> per side of the stream?</b> 0%    20%    Observer initials: _____		<b>11. Presence of logs or large woody debris in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful	
				<b>12. Pick the category that best describes the extent to which vegetation <u>shades</u> the stream:</b> <div style="display: flex; justify-content: space-around;"> <div> <input type="checkbox"/> 0%    <input checked="" type="checkbox"/> 25%             </div> <div> <input type="checkbox"/> 50%    <input type="checkbox"/> 75%  <input type="checkbox"/> other - ____ %             </div> </div>	
				<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b>  <b>a) Stream bank:</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>Left</b>  <input type="checkbox"/>  <input checked="" type="checkbox"/> </div> <div style="width: 45%;"> <b>Right</b>  <input type="checkbox"/>  <input checked="" type="checkbox"/> </div> </div> <p style="text-align: center;">Vertical/undercut Steeply sloping (&gt;30°) Gradual/No slope (&lt;30°)</p> <b>b) Shape of the channel:</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Narrow, Deep  <input type="checkbox"/> Narrow, Shallow             </div> <div style="width: 45%;"> <input type="checkbox"/> Wide, Deep  <input type="checkbox"/> Wide, Shallow             </div> </div>	

  

<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>Left</b>  <table border="1" style="width: 100%;"> <tr><td>P</td><td>C</td></tr> <tr><td></td><td></td></tr> <tr><td>X</td><td>X</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> </div> <div style="width: 45%;"> <b>Right</b>  <table border="1" style="width: 100%;"> <tr><td>P</td><td>C</td></tr> <tr><td></td><td></td></tr> <tr><td>X</td><td>X</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> </div> </div> <p style="text-align: center;">Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions</p>		P	C			X	X											P	C			X	X											<b>b) From the top of the streambank out to 50 feet:</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>Left</b>  <table border="1" style="width: 100%;"> <tr><td>P</td><td>C</td></tr> <tr><td></td><td></td></tr> <tr><td>X</td><td>X</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td>X</td><td>X</td></tr> </table> </div> <div style="width: 45%;"> <b>Right</b>  <table border="1" style="width: 100%;"> <tr><td>P</td><td>C</td></tr> <tr><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> </div> </div> <p style="text-align: center;">Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks Gravel/Sand Bare Soil Pavement, Structures</p>		P	C			X	X							X	X	P	C	X	X	X	X										
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<b>16. Ordinary High Water Mark Determination</b>  Check "P" if observed; Check "U" if used to determine OHWM <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <table border="1" style="width: 100%;"> <tr><td>P</td><td>U</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td>X</td><td></td></tr> <tr><td>X</td><td>X</td></tr> </table> </div> <div style="width: 45%;">           Natural line impressed on the bank Shelving Changes in the character of soil Destruction of terrestrial vegetation Presence of litter and debris Wracking Vegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events Bed and banks Water staining Change in plant community         </div> </div>		P	U															X		X	X
P	U																				
X																					
X	X																				

<b>Stream Characterization</b>		<b>Date:</b> 9/19/2019	<b>Time:</b> 4:40pm	<b>Site:</b> ORD	<b>County:</b>	<b>Cook</b>
<b>Field ID:</b> Stream Ditch		<b>Stream Name:</b> Ditch 47		<b>Investigators:</b>		CBM, BJH

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL    PERENNIAL INTERMITTENT		9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange    none <input type="checkbox"/> greenish <input type="checkbox"/> other:		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none	
1. a) Approximate depth of water in stream:  <input type="checkbox"/> N/A    2 inches b) Approximate width of water flow:  <input type="checkbox"/> N/A    10 ft c) Approximate width of stream: (from top of bank to top of bank)    25 ft d) Approximate height of banks (channel depth): left 6 ft    right 10 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> x N/A		5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: None Little Some Most silt/clay/mud <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> sand <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> gravel <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> cobbles (2 - 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> bedrock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		11. Presence of logs or large woody debris in stream: <input type="checkbox"/> None <input checked="" type="checkbox"/> Occasional <input type="checkbox"/> Plentiful 12. Pick the category that best describes the extent to which vegetation shades the stream: <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input checked="" type="checkbox"/> 25% <input checked="" type="checkbox"/> 75% other - %			
2. Plant Species Adjacent to stream (scientific name): Trees: <i>Rhamnus cathartica</i> , <i>Salix interior</i> <i>Fraxinus pensylvanica</i> Understory: <i>Vitis riparia</i> , <i>Typha angustifolia</i> , <i>Lythrum salicaria</i>		8. Facing upstream, does this stream have tree cover for 50 feet on the: left side yes    right side yes What is the % cover of trees per side of the stream? left side 30 %    right side 20 % Facing upstream, does this stream have shrub cover for 50 feet on the: left side yes    right side yes What is the % cover of shrubs per side of the stream? 30%    20% Observer initials:		13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: Left    Right Vertical/undercut <input checked="" type="checkbox"/> Steeply sloping (>30°) Gradual/No slope (<30°) b) Shape of the channel: Narrow, Deep    Wide, Deep Narrow, Shallow    Wide, Shallow			
14. Describe the streamside cover. Check "P" if present, "C" if common a) Along the water's edge and stream bank only (facing upstream): Left    Right P C    P C X X    X X    Trees X X    X X    Bushes, Shrubs X       X    Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions		16. Ordinary High Water Mark Determination Check "P" if observed; Check "U" if used to determine OHWM P U Natural line impressed on the bank Shelving Changes in the character of soil Destruction of terrestrial vegetation Presence of litter and debris Wracking Vegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events Bed and banks Water staining Change in plant community					
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15. In the vicinity of the stream, Check "P" if present, "C" if common: Left    Right P C    P C Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/junk adjacent to the stream Foam or sheen on bank Mud, silt, or sand in or entering the stream Garbage/junk in the stream Yard waste on bank (clippings, leaves, etc.) Livestock in or with unrestricted access Actively discharging pipes Other pipes Ditches entering stream		18. Observed Fauna (make note of wildlife deterrents such as bird wires) List <input type="checkbox"/> Invertebrates <input type="checkbox"/> Birds <input type="checkbox"/> Mammals <input type="checkbox"/> Reptile/Amphians <input type="checkbox"/> Fish		19. Additional Comments 6ft x 3ft culvert at west end drains to ditch. Large 36" culvert connects two sections.			

Datasheet entered by:
Last Revised: 09/25

<b>Stream Characterization</b>		<b>Date:</b> 9/26/2019	<b>Time:</b> 9:00am	<b>Site:</b> ORD	<b>County:</b>	<b>Cook</b>
<b>Field ID:</b> Stream Ditch		<b>Stream Name:</b>		Ditch 48	<b>Investigators:</b> CBM, BJH	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL PERENNIAL <b>INTERMITTENT</b>		9. Water Appearance: <input type="checkbox"/> clear <input type="checkbox"/> sewage <input type="checkbox"/> milky <input type="checkbox"/> chlorine <input type="checkbox"/> foamy <input type="checkbox"/> fishy <input type="checkbox"/> turbid <input type="checkbox"/> rotten eggs <input type="checkbox"/> light brown <input type="checkbox"/> organic <input type="checkbox"/> dark brown <input type="checkbox"/> other: <input checked="" type="checkbox"/> oily sheen <input checked="" type="checkbox"/> none <input type="checkbox"/> orange <input type="checkbox"/> none <input type="checkbox"/> greenish <input type="checkbox"/> <input type="checkbox"/> other:		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none	
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A                      2 inches b) Approximate width of water flow: <input type="checkbox"/> N/A                      12 ft c) Approximate width of stream: (from top of bank to top of bank)            25 ft d) Approximate height of banks (channel depth): left <input type="checkbox"/> right 10 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> X N/A		5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input checked="" type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: None Little Some Most silt/clay/mud <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> sand <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> gravel <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> cobbles (2 - 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> bedrock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
2. Plant Species Adjacent to stream (scientific name): <b>Trees:</b> <i>Populus deltoides, Rhamnus cathartica,</i> <i>Salix sp.</i> <b>Understory:</b> <i>Phragmites australis, Typha angustifolia,</i> <i>Lythrum salicaria, Eupatorium serotinum</i>		7. Presence of naturally occurring organic material in stream: <input type="checkbox"/> None <input type="checkbox"/> Occasional <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Plentiful 8. Facing upstream, does this stream have <b>tree</b> cover for 50 feet on the: left side <input checked="" type="checkbox"/> yes                      right side <input checked="" type="checkbox"/> yes What is the % cover of <b>trees</b> per side of the stream? left side <input type="checkbox"/> 20 %                      right side <input type="checkbox"/> 20 % Facing upstream, does this stream have <b>shrub</b> cover for 50 feet on the: left side <input checked="" type="checkbox"/> yes                      right side <input checked="" type="checkbox"/> yes What is the % cover of <b>shrubs</b> per side of the stream? 70    80 Observer initials:		11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> X None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful 12. Pick the category that best describes the extent to which vegetation shades the stream: 0%                      50% <input checked="" type="checkbox"/> X 100% 25%                    75% other - _____ %			
14. Describe the streamside cover. Check "P" if present, "C" if common a) Along the water's edge and stream bank only (facing upstream): Left                                      Right P C                                      P C X                                      X X X                                    X X X X                                    X X X                                      X Boulders/Rocks ( <b>Rip Rap</b> ) Gravel/Sand Bare Soil X                                      Pavement, Structures, Gabions		13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: Left                                      Right Vertical/undercut                      Steeply sloping (>30°)                      Gradual/No slope (<30°) X    X b) Shape of the channel: Narrow, Deep                      Wide, Deep X    X Narrow, Shallow                      Wide, Shallow					
b) From the top of the streambank out to 50 feet: Left                                      Right P C                                      P C X X                                    X X X                                    X X X                                    X Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks Gravel/Sand Bare Soil Pavement, Structures		16. Ordinary High Water Mark Determination Check "P" if observed; Check "U" if used to determine OHWM P U                                      Natural line impressed on the bank Shelving Changes in the character of soil Destruction of terrestrial vegetation Presence of litter and debris Wracking Vegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events Bed and banks Water staining Change in plant community					
15. In the vicinity of the stream, Check "P" if present, "C" if common: Left                                      Right P C                                      P C Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/junk adjacent to the stream Foam or sheen on bank Mud, silt, or sand in or entering the stream Garbage/junk in the stream Yard waste on bank (clippings, leaves, etc.) Livestock in or with unrestricted access Actively discharging pipes Other pipes Ditches entering stream		17. Waters Type X DELINEATE TNW TNWW RPW RPWWD RPWNN NRPW NRPWW ISOLATE UPLAND TNRWPPW					
		18. Observed Fauna (make note of wildlife deterrents such as bird wires) List Invertebrates X Birds Mammals Reptile/Amphians Fish					
		19. Additional Comments Culvert on west end from detention area to west. Fenced in lot on right bank with SCF. Culvert at west end; roadside ditch from north.					

Datasheet entered by: Last Revised: 09/25

<b>Stream Characterization</b>		Date: 9/18/2019 Time: 9:20 AM Site:	ORD _____	County: _____	Cook _____
Field ID: <u>Stream/Ditch</u>		Stream Name: erosional features		Investigators: CBM, BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain)     x Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL INTERMITTENT  <b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s)                  Run(s) <input type="checkbox"/> Riffles(s)                x N/A		<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange      none <input type="checkbox"/> greenish    x <input type="checkbox"/> other:		<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: x none																													
<b>1. a) Approximate depth of water in stream:</b> <input checked="" type="checkbox"/> N/A		<b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow    x N/A																																	
<b>b) Approximate width of water flow:</b> <input checked="" type="checkbox"/> N/A		<b>6. Nature of the particles in the stream bottom:</b> <div style="text-align: center;">None   Little   Some   Most</div> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr><td>silt/clay/mud</td><td></td><td></td><td>x</td><td></td></tr> <tr><td>sand</td><td></td><td></td><td></td><td></td></tr> <tr><td>gravel</td><td></td><td></td><td></td><td></td></tr> <tr><td>cobbles (2 - 10" diam.)</td><td></td><td></td><td></td><td></td></tr> <tr><td>boulders (&gt; 10" diam.)</td><td></td><td></td><td>x</td><td></td></tr> <tr><td>bedrock</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		silt/clay/mud			x		sand					gravel					cobbles (2 - 10" diam.)					boulders (> 10" diam.)			x		bedrock						
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<b>d) Approximate height of banks (channel depth):</b> left:                  right:		<b>7. Presence of naturally occurring organic material in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Unknown <input type="checkbox"/> Plentiful																																	
<b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> N/A		<b>8. Facing upstream, does this stream have trees cover for 50 feet on the:</b> left side                  right side  <b>What is the % cover of trees per side of the stream?</b> left side                  %    right side                  %  <b>Facing upstream, does this stream have shrub cover for 50 feet on the:</b> left side                  right side  <b>What is the % cover of shrubs per side of the stream?</b> Observer initials:		<b>11. Presence of logs or large woody debris in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful  <b>12. Pick the category that best describes the extent to which vegetation shades the stream:</b> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> 0%</td> <td><input type="checkbox"/> 50%</td> <td><input checked="" type="checkbox"/> 100%</td> </tr> <tr> <td><input type="checkbox"/> 25%</td> <td><input type="checkbox"/> 75%</td> <td><input type="checkbox"/> other - ____ %</td> </tr> </table>		<input type="checkbox"/> 0%	<input type="checkbox"/> 50%	<input checked="" type="checkbox"/> 100%	<input type="checkbox"/> 25%	<input type="checkbox"/> 75%	<input type="checkbox"/> other - ____ %																								
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<b>2. Plant Species Adjacent to stream (scientific name):</b> Trees: <u>Acer negundo, Populus deltoides</u> <u>Rhamnus cathartica</u>  Understory:		<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b>  <table style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Left</th> <th></th> <th style="text-align: right;">Right</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>Vertical/undercut</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td></td> <td>Steeply sloping (&gt;30°)</td> <td></td> </tr> <tr> <td></td> <td>Gradual/No slope (&lt;30°)</td> <td></td> </tr> </tbody> </table> <b>b) Shape of the channel:</b> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Narrow, Deep</td> <td><input type="checkbox"/> Wide, Deep</td> </tr> <tr> <td><input type="checkbox"/> Narrow, Shallow</td> <td><input type="checkbox"/> Wide, Shallow</td> </tr> </table>				Left		Right	<input checked="" type="checkbox"/>	Vertical/undercut	<input checked="" type="checkbox"/>		Steeply sloping (>30°)			Gradual/No slope (<30°)		<input type="checkbox"/> Narrow, Deep	<input type="checkbox"/> Wide, Deep	<input type="checkbox"/> Narrow, Shallow	<input type="checkbox"/> Wide, Shallow														
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<input type="checkbox"/> Narrow, Deep	<input type="checkbox"/> Wide, Deep																																		
<input type="checkbox"/> Narrow, Shallow	<input type="checkbox"/> Wide, Shallow																																		

  

<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b>			
<b>a) Along the water's edge and stream bank only (facing upstream):</b>			
Left		Right	
P C	Trees	P C	
x x	Bushes, Shrubs	x x	
	Tall grasses, forbs		
	Lawn, maintained landscape		
x	Boulders/Rocks/Rip Rap	x	
	Gravel/Sand		
	Bare Soil		
	Pavement, Structures, Gabions		
<b>b) From the top of the streambank out to 50 feet:</b>			
Left		Right	
P C	Trees	P C	
x x	Bushes, Shrubs	x x	
	Tall grasses, forbs		
	Lawn, maintained landscape		
	Boulders/Rocks		
	Gravel/Sand		
	Bare Soil		
	Pavement, Structures		

  

<b>15. In the vicinity of the stream.</b> Check "P" if present, "C" if common:			
Left		Right	
P C	Natural Streamside plant cover degraded	P C	
	Banks collapsed/eroded		
	Garbage/junk adjacent to the stream		
	Foam or sheen on bank		
	Mud, silt, or sand in or entering the stream		
	Garbage/junk in the stream		
	Yard waste on bank (clippings, leaves, etc.)		
	Livestock in or with unrestricted access		
	Actively discharging pipes		
	Other pipes		
	Ditches entering stream		

  

<b>16. Ordinary High Water Mark Determination</b>			
Check "P" if observed; Check "U" if used to determine OHWM			
	P U		
		Natural line impressed on the bank	
		Shelving	
		Changes in the character of soil	
		Destruction of terrestrial vegetation	
		Presence of litter and debris	
		Wracking	
		Vegetation matted down; bent, or absent	
		Sediment sorting	
		Leaf litter disturbed or washed away	
		Scour	
		Deposition	
		Multiple observed flow events	
x	x	Bed and banks	
		Water staining	
		Change in plant community	

<b>Stream Characterization</b>		<b>Date:</b> 9/17/2019	<b>Time:</b> 2:15pm	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Higgins Creek - section 1		<b>Investigators:</b> CBM, BJH	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL <input type="checkbox"/> PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>	9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																																													
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c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 55 ft		6. Nature of the particles in the stream bottom: None Little Some Most silt/clay/mud <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> sand <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> gravel <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> cobbles (2 - 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> bedrock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful																																																																																																																														
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2. Plant Species Adjacent to stream (scientific name): Trees: Understory: <i>Phragmites australis</i> , <i>Lythrum salicaria</i> , <i>Persicaria sp.</i>		13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: Left <input type="checkbox"/> Right <input checked="" type="checkbox"/> Vertical/undercut <input type="checkbox"/> Steeply sloping (>30°) <input type="checkbox"/> Gradual/No slope (<30°) <input type="checkbox"/> b) Shape of the channel: Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow <input checked="" type="checkbox"/>																																																																																																																															
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<b>Stream Characterization</b>		<b>Date:</b> 9/17/2019	<b>Time:</b> 2:00pm	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream Ditch		<b>Stream Name:</b> Higgins Creek - section 2		<b>Investigators:</b> CBM, BJH	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL <input type="checkbox"/> PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>	9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																																																																				
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A <input type="checkbox"/> 5-6 ft b) Approximate width of water flow: <input type="checkbox"/> N/A <input type="checkbox"/> 50 ft c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 60 ft d) Approximate height of banks (channel depth): left <input type="checkbox"/> 10 ft right <input type="checkbox"/> 10 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A		4. Stream habitats present: <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A 5. Stream Velocity: <input type="checkbox"/> fast <input checked="" type="checkbox"/> moderate <input type="checkbox"/> slow <input type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		None	Little	Some	Most	silt/clay/mud				X	sand					gravel			X		cobbles (2 - 10" diam.)					boulders (> 10" diam.)		X			bedrock					11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful 12. Pick the category that best describes the extent to which vegetation shades the stream: <input checked="" type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																																																																																																		
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2. Plant Species Adjacent to stream (scientific name): <b>Trees:</b> _____ _____ <b>Understory:</b> <i>Solidago sempervirens</i> , <i>Phalaris arundinacea</i> , <i>Eupatorium serotinum</i> _____ _____		8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the: left side <input type="checkbox"/> no <input type="checkbox"/> right side <input type="checkbox"/> no What is the % cover of <u>trees</u> per side of the stream? left side <input type="checkbox"/> 0 % right side <input type="checkbox"/> 0 % Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the: left side <input type="checkbox"/> no <input type="checkbox"/> right side <input type="checkbox"/> no What is the % cover of <u>shrubs</u> per side of the stream? 0 % Observer initials:																																																																																																																																																						
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Stream Characterization		Date: 8/12/2019 Time: 11:45 AM Site: <u>                    </u>		County: <u>                    </u>		Cook	
Field ID: <u>Stream Ditch</u>		Stream Name: <u>Higgins Creek - Section 3</u>		Investigators: <u>                    </u>		BJH	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime:    EPHEMERAL <u>PERENNIAL</u> INTERMITTENT		9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange    none <input type="checkbox"/> greenish <input type="checkbox"/> other:	
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A <input type="checkbox"/> 3-4 ft		4. Stream habitats present: <input type="checkbox"/> Pool(s) <input checked="" type="checkbox"/> Run(s) <input checked="" type="checkbox"/> Riffles(s) <input type="checkbox"/> N/A		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none	
b) Approximate width of water flow: <input type="checkbox"/> N/A <input type="checkbox"/> 35 ft		5. Stream Velocity: <input type="checkbox"/> fast <input checked="" type="checkbox"/> moderate <input type="checkbox"/> slow <input type="checkbox"/> N/A		11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful	
c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 65 ft		6. Nature of the particles in the stream bottom: None    Little    Some    Most			
d) Approximate height of banks (channel depth): left <input type="checkbox"/> 5 ft    right <input type="checkbox"/> 5 ft		silt/clay/mud sand gravel cobbles (2 - 10" diam.) boulders (> 10" diam.) bedrock		12. Pick the category that best describes the extent to which vegetation <u>shades</u> the stream: <input type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input checked="" type="checkbox"/> other - 10%	
e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A		7. Presence of naturally occurring organic material in stream: <input type="checkbox"/> None <input type="checkbox"/> Occasional <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Plentiful			
2. Plant Species Adjacent to stream (scientific name):  Trees: <u>Fraxinus pensylvanica, Betula sp.</u>  Understory: <u>Lythrum salicaria, Phragmites australis,</u> <u>Lycopus americanus, Persicaria sp.</u> <u>Sambucus sp.</u>		8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the: left side <u>yes</u> right side <u>yes</u>  What is the % cover of <u>trees</u> per side of the stream? left side <u>10</u> %    right side <u>5</u> %  Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the: left side <u>no</u> right side <u>yes</u>  What is the % cover of <u>shrubs</u> per side of the stream? 0%    5%    Observer initials:		13. Pick the description that best fits the stream bank and the channel (facing upstream):  a) Stream bank: Left    Vertical/undercut    Right <input checked="" type="checkbox"/> Steeply sloping (>30°) <input type="checkbox"/> <input type="checkbox"/> Gradual/No slope (<30°) <input type="checkbox"/>  b) Shape of the channel: <input type="checkbox"/> Narrow, Deep    Wide, Deep <input checked="" type="checkbox"/> <input type="checkbox"/> Narrow, Shallow    Wide, Shallow	

  

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<table border="0" style="width: 100%;"> <tr><td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Natural Streamside plant cover degraded  <input type="checkbox"/> Banks collapsed/eroded  <input type="checkbox"/> Garbage/junk adjacent to the stream  <input type="checkbox"/> Foam or sheen on bank  <input type="checkbox"/> Mud, silt, or sand in or entering the stream  <input type="checkbox"/> Garbage/junk in the stream  <input type="checkbox"/> Yard waste on bank (clippings, leaves, etc.)  <input type="checkbox"/> Livestock in or with unrestricted access  <input type="checkbox"/> Actively discharging pipes  <input type="checkbox"/> Other pipes  <input type="checkbox"/> Ditches entering stream               </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> P  <input type="checkbox"/> C  <input checked="" type="checkbox"/> X  <input type="checkbox"/> P  <input type="checkbox"/> C  <input type="checkbox"/> P  <input type="checkbox"/> C  <input type="checkbox"/> P  <input type="checkbox"/> C  <input type="checkbox"/> P  <input type="checkbox"/> C  <input type="checkbox"/> P  <input type="checkbox"/> C               </td> </tr> </table>		<input type="checkbox"/> Natural Streamside plant cover degraded <input type="checkbox"/> Banks collapsed/eroded <input type="checkbox"/> Garbage/junk adjacent to the stream <input type="checkbox"/> Foam or sheen on bank <input type="checkbox"/> Mud, silt, or sand in or entering the stream <input type="checkbox"/> Garbage/junk in the stream <input type="checkbox"/> Yard waste on bank (clippings, leaves, etc.) <input type="checkbox"/> Livestock in or with unrestricted access <input type="checkbox"/> Actively discharging pipes <input type="checkbox"/> Other pipes <input type="checkbox"/> Ditches entering stream	<input type="checkbox"/> P <input type="checkbox"/> C <input checked="" type="checkbox"/> X <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> C	19. Additional Comments <u>Constructed stream with riprap reinforcement.</u> <u>Primarily herbaceous plant cover along stream bank. Box culverts on either end.</u>			
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Datasheet entered by: <u>                    </u> Last Revised: 09/25	
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<b>Stream Characterization</b>		<b>Date:</b> 7/31 & 8/2	<b>Time:</b>	<b>Site:</b> ORD TAP	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Tributary 1: Willow Creek		<b>Investigators:</b> BJH, KAS	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input checked="" type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL PERENNIAL <input checked="" type="checkbox"/> INTERMITTENT	<b>9. Water Appearance:</b> <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none																																																																																																																																																			
<b>1. a) Approximate depth of water in stream:</b> <input type="checkbox"/> N/A <input type="checkbox"/> 4-12 inches <b>b) Approximate width of water flow:</b> <input type="checkbox"/> N/A <input type="checkbox"/> 30 inches <b>c) Approximate width of stream:</b> (from top of bank to top of bank) <input type="checkbox"/> 20 feet <b>d) Approximate height of banks (channel depth):</b> left <input type="checkbox"/> 6 ft right <input type="checkbox"/> 6 ft <b>e) Approximate depth of pool(s):</b> <input type="checkbox"/> N/A <input type="checkbox"/> 4-12 inches		<b>4. Stream habitats present:</b> <input checked="" type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input type="checkbox"/> N/A <b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A <b>6. Nature of the particles in the stream bottom:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		None	Little	Some	Most	silt/clay/mud				X	sand					gravel					cobbles (2 - 10" diam.)			X		boulders (> 10" diam.)					bedrock					<b>11. Presence of logs or large woody debris in stream:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful <b>12. Pick the category that best describes the extent to which vegetation shades the stream:</b> <input type="checkbox"/> 0% <input checked="" type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																																																																																																	
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<b>2. Plant Species Adjacent to stream (scientific name):</b> <b>Trees:</b> <i>Rhamnus cathartica, Salix interior, Juniperus virginiana,</i> <b>Understory:</b> <i>Lythrum salicaria, Typha angustifolia, Phragmites australis, Alisma subcordata, Vitis riparia, Schoenoplectus tabernaemontanae, Solidago sempervirens</i>		<b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b> left side <input checked="" type="checkbox"/> yes right side <input checked="" type="checkbox"/> yes <b>What is the % cover of <u>trees</u> per side of the stream?</b> left side <input type="checkbox"/> 5 % right side <input type="checkbox"/> 45 % <b>Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b> left side <input type="checkbox"/> yes right side <input type="checkbox"/> yes <b>What is the % cover of <u>shrubs</u> per side of the stream?</b> <input type="checkbox"/> 5 <input type="checkbox"/> 45 Observer initials:	<b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b> <b>a) Stream bank:</b> Left <input type="checkbox"/> Right <input type="checkbox"/> <input type="checkbox"/> Vertical/undercut <input type="checkbox"/> <input checked="" type="checkbox"/> Steeply sloping (>30°) <input type="checkbox"/> <input type="checkbox"/> Gradual/No slope (<30°) <input checked="" type="checkbox"/> <b>b) Shape of the channel:</b> <input type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input checked="" type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow																																																																																																																																																				
<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td>X</td> <td></td> <td>Trees</td> <td>X</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>Bushes, Shrubs</td> <td>X</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>Tall grasses, forbs</td> <td>X</td> <td>X</td> </tr> <tr> <td></td> <td></td> <td>Lawn, maintained landscape</td> <td></td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>Boulders/Rocks/Rip Rap</td> <td>X</td> <td>X</td> </tr> <tr> <td></td> <td></td> <td>Gravel/Sand</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Bare Soil</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Pavement, Structures, Gabions</td> <td></td> <td></td> </tr> </table> <b>b) From the top of the streambank out to 50 feet:</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">Left</th> <th></th> <th colspan="2">Right</th> </tr> <tr> <th>P</th> <th>C</th> <th></th> <th>P</th> <th>C</th> </tr> <tr> <td>X</td> <td></td> <td>Trees</td> <td>X</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>Bushes, Shrubs</td> <td>X</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>Tall grasses, forbs</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td></td> <td>Lawn, maintained landscape</td> <td>X</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Boulders/Rocks</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Gravel/Sand</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Bare Soil</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Pavement, Structures</td> <td></td> <td></td> </tr> </table>		Left			Right		P	C		P	C	X		Trees	X		X		Bushes, Shrubs	X		X	X	Tall grasses, forbs	X	X			Lawn, maintained landscape			X	X	Boulders/Rocks/Rip Rap	X	X			Gravel/Sand					Bare Soil					Pavement, Structures, Gabions			Left			Right		P	C		P	C	X		Trees	X		X		Bushes, Shrubs	X		X	X	Tall grasses, forbs	X	X	X		Lawn, maintained landscape	X				Boulders/Rocks					Gravel/Sand					Bare Soil					Pavement, Structures			<b>16. Ordinary High Water Mark Determination</b> Check "P" if observed; Check "U" if used to determine OHWM <table border="1" style="width:100%; text-align: center;"> <tr> <th>P</th> <th>U</th> <th></th> </tr> <tr> <td></td> <td></td> <td>Natural line impressed on the bank</td> </tr> <tr> <td></td> <td></td> <td>Shelving</td> </tr> <tr> <td></td> <td></td> <td>Changes in the character of soil</td> </tr> <tr> <td></td> <td></td> <td>Destruction of terrestrial vegetation</td> </tr> <tr> <td></td> <td></td> <td>Presence of litter and debris</td> </tr> <tr> <td></td> <td></td> <td>Wracking</td> </tr> <tr> <td></td> <td></td> <td>Vegetation matted down; bent, or absent</td> </tr> <tr> <td></td> <td></td> <td>Sediment sorting</td> </tr> <tr> <td></td> <td></td> <td>Leaf litter disturbed or washed away</td> </tr> <tr> <td></td> <td></td> <td>Scour</td> </tr> <tr> <td></td> <td></td> <td>Deposition</td> </tr> <tr> <td>X</td> <td>X</td> <td>Multiple observed flow events</td> </tr> <tr> <td></td> <td></td> <td>Bed and banks</td> </tr> <tr> <td></td> <td></td> <td>Water staining</td> </tr> <tr> <td>X</td> <td>X</td> <td>Change in plant community</td> </tr> </table>		P	U				Natural line impressed on the bank			Shelving			Changes in the character of soil			Destruction of terrestrial vegetation			Presence of litter and debris			Wracking			Vegetation matted down; bent, or absent			Sediment sorting			Leaf litter disturbed or washed away			Scour			Deposition	X	X	Multiple observed flow events			Bed and banks			Water staining	X	X	Change in plant community
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<b>Stream Characterization</b>		<b>Date:</b> 8/27/2019	<b>Time:</b> 5:00pm	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Tributary 2: Willow Creek		<b>Investigators:</b> CBM, BJH	

  

<p><b>Weather in the past 24 hours:</b></p> <p><input checked="" type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast</p> <p><input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny</p> <p><input type="checkbox"/> Showers (intermittent rain)</p>	<p><b>3. Circle flow regime:</b> EPHEMERAL <u>PERENNIAL</u></p> <p><b>4. Stream habitats present:</b></p> <p><input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s)</p> <p><input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A</p>	<p><b>9. Water Appearance:</b></p> <p><input checked="" type="checkbox"/> clear</p> <p><input type="checkbox"/> milky</p> <p><input type="checkbox"/> foamy</p> <p><input type="checkbox"/> turbid</p> <p><input type="checkbox"/> light brown</p> <p><input type="checkbox"/> dark brown</p> <p><input type="checkbox"/> oily sheen</p> <p><input type="checkbox"/> orange</p> <p><input type="checkbox"/> greenish</p> <p><input type="checkbox"/> other:</p>																																																																	
<p><b>1. a) Approximate depth of water in stream:</b></p> <p><input type="checkbox"/> N/A <input type="checkbox"/> 0.5 to 1 ft</p> <p><b>b) Approximate width of water flow:</b></p> <p><input type="checkbox"/> N/A <input type="checkbox"/> 15ft</p> <p><b>c) Approximate width of stream:</b> (from top of bank to top of bank)</p> <p><input type="checkbox"/> 35-40ft</p> <p><b>d) Approximate height of banks (channel depth):</b></p> <p>left <input type="checkbox"/> 25ft right <input type="checkbox"/> 25ft</p> <p><b>e) Approximate depth of pool(s):</b></p> <p><input checked="" type="checkbox"/> N/A</p>	<p><b>5. Stream Velocity:</b></p> <p><input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A</p> <p><b>6. Nature of the particles in the stream bottom:</b></p> <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p><b>7. Presence of naturally occurring organic material in stream:</b></p> <p><input type="checkbox"/> None <input type="checkbox"/> Occasional <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Plentiful</p>		None	Little	Some	Most	silt/clay/mud				<input checked="" type="checkbox"/>	sand					gravel					cobbles (2 - 10" diam.)			<input checked="" type="checkbox"/>		boulders (> 10" diam.)					bedrock					<p><b>10. Water Odor:</b></p> <p><input type="checkbox"/> sewage</p> <p><input type="checkbox"/> chlorine</p> <p><input type="checkbox"/> fishy</p> <p><input type="checkbox"/> rotten eggs</p> <p><input type="checkbox"/> organic</p> <p><input checked="" type="checkbox"/> other: none</p> <p><b>11. Presence of logs or large woody debris in stream:</b></p> <p><input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful</p> <p><b>12. Pick the category that best describes the extent to which vegetation shades the stream:</b></p> <p><input type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100%</p> <p><input checked="" type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %</p> <p><b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b></p> <p><b>a) Stream bank:</b></p> <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <p><b>b) Shape of the channel:</b></p> <p><input checked="" type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep</p> <p><input type="checkbox"/> Narrow, Shallow <input type="checkbox"/> Wide, Shallow</p>	Left	Right	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
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<p><b>2. Plant Species Adjacent to stream (scientific name):</b></p> <p><b>Trees:</b> <i>Salix interior</i></p> <p><b>Understory:</b> <i>Typha angustifolia</i>, <i>Schoenoplectus tabernaemontana</i>, <i>Phragmites australis</i></p>			<p><b>8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the:</b></p> <p>left side <input type="checkbox"/> no right side <input type="checkbox"/> no</p> <p><b>What is the % cover of <u>trees</u> per side of the stream?</b></p> <p>left side <input type="checkbox"/> 0 % right side <input type="checkbox"/> 0 %</p> <p><b>Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the:</b></p> <p>left side <input type="checkbox"/> yes right side <input type="checkbox"/> yes</p> <p><b>What is the % cover of <u>shrubs</u> per side of the stream?</b></p> <p>25% <input type="checkbox"/> 25% <input type="checkbox"/> Observer initials:</p>																																																																
<p><b>14. Describe the streamside cover. Check "P" if present, "C" if common</b></p> <p><b>a) Along the water's edge and stream bank only (facing upstream):</b></p> <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> </tr> <tr> <td><input type="checkbox"/> P <input type="checkbox"/> C</td> <td><input type="checkbox"/> P <input type="checkbox"/> C</td> </tr> <tr> <td><input checked="" type="checkbox"/> X</td> <td><input type="checkbox"/> X</td> </tr> <tr> <td><input checked="" type="checkbox"/> X</td> <td><input type="checkbox"/> X</td> </tr> <tr> <td><input checked="" type="checkbox"/> X</td> <td><input checked="" type="checkbox"/> X</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <p><b>b) From the top of the streambank out to 50 feet:</b></p> <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> </tr> <tr> <td><input type="checkbox"/> P <input type="checkbox"/> C</td> <td><input type="checkbox"/> P <input type="checkbox"/> C</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> X</td> <td><input checked="" type="checkbox"/> X</td> </tr> <tr> <td><input checked="" type="checkbox"/> X</td> <td><input checked="" type="checkbox"/> X</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>			Left	Right	<input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/> P <input type="checkbox"/> C	<input checked="" type="checkbox"/> X	<input type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Left	Right	<input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/> P <input type="checkbox"/> C	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p><b>16. Ordinary High Water Mark Determination</b></p> <p>Check "P" if observed; Check "U" if used to determine OHWM</p> <table border="1" style="width:100%; text-align: center;"> <tr> <th>P</th> <th>U</th> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> X</td> <td><input checked="" type="checkbox"/> X</td> </tr> </table>			P	U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
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<p><b>18. Observed Fauna (make note of wildlife deterrents such as bird wires)</b></p> <table border="1" style="width:100%; text-align: center;"> <tr> <th>List</th> </tr> <tr> <td><input checked="" type="checkbox"/> Invertebrates</td> </tr> <tr> <td><input type="checkbox"/> Birds</td> </tr> <tr> <td><input checked="" type="checkbox"/> Mammals</td> </tr> <tr> <td><input type="checkbox"/> Reptile/Amphians</td> </tr> <tr> <td><input type="checkbox"/> Fish</td> </tr> </table>			List	<input checked="" type="checkbox"/> Invertebrates	<input type="checkbox"/> Birds	<input checked="" type="checkbox"/> Mammals	<input type="checkbox"/> Reptile/Amphians	<input type="checkbox"/> Fish	<p><b>19. Additional Comments</b></p> <p>Culvert at east end drains to detention area under road. Culvert in detention area is broken; heavily rip-rapped</p>																																																										
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<b>Stream Characterization</b>		<b>Date:</b> 7/17/2019	<b>Time:</b> PM	<b>Site:</b> ORD WH East	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Tributary 3: Willow Creek		<b>Investigators:</b> BJH, KAS	

  

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<b>19. Additional Comments</b> flows south to WH East from a culvert under interstate bridge present north of confluence with WH East		<b>Datasheet entered by:</b> KAS <b>Last Revised:</b> 08/19																																																																																																					

Stream Characterization		Date: 8/27/2019	Time: 11:55 AM	Site: OR	County: DuPage
Field ID: <u>Stream/Reach</u>		Stream Name: Willow Creek - Section 1		Investigators: CBM, BJH	

  

Weather in the past 24 hours: <input checked="" type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL <u>PERENNIAL</u> 4. Stream habitats present: <input checked="" type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input type="checkbox"/> N/A		9. Water Appearance: <input type="checkbox"/> clear <input type="checkbox"/> sewage <input type="checkbox"/> milky <input type="checkbox"/> chlorine <input type="checkbox"/> foamy <input type="checkbox"/> fishy <input type="checkbox"/> turbid <input type="checkbox"/> rotten eggs <input checked="" type="checkbox"/> light brown <input type="checkbox"/> organic <input type="checkbox"/> dark brown <input checked="" type="checkbox"/> none <input type="checkbox"/> oily sheen <input type="checkbox"/> other:	
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A b) Approximate width of water flow: <input type="checkbox"/> N/A c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 100+ ft d) Approximate height of banks (channel depth): left <input type="checkbox"/> 20 ft right <input type="checkbox"/> 20 ft e) Approximate depth of pool(s): <input type="checkbox"/> N/A <input type="checkbox"/> 6-10 ft		5. Stream Velocity: <input checked="" type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: None Little Some Most silt/clay/mud <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> sand <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> gravel <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> cobbles (2 - 10" diam.) <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> boulders (> 10" diam.) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> bedrock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none	
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17. Waters Type <input checked="" type="checkbox"/> DELINEATE <input type="checkbox"/> TNW <input type="checkbox"/> TNWW <input type="checkbox"/> RPW <input type="checkbox"/> RPWWD		18. Observed Fauna (make note of wildlife deterrents such as bird wires) List <input checked="" type="checkbox"/> Invertebrates <input checked="" type="checkbox"/> Birds <input type="checkbox"/> Mammals <input type="checkbox"/> Reptile/Amphians <input type="checkbox"/> Fish		19. Additional Comments Double box culverts at each end 10ft x 15ft; concrete walls	

Datasheet entered by:
Last Revised: 09/25

<b>Stream Characterization</b>		<b>Date:</b> 8/27/2019	<b>Time:</b> 10:45am	<b>Site:</b> ORD	<b>County:</b> DuPage
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Willow Creek-Section 2		<b>Investigators:</b> BJH, CBM	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)	<b>3. Circle flow regime:</b> EPHEMERAL <input checked="" type="checkbox"/> PERENNIAL <b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s) <input type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input checked="" type="checkbox"/> N/A	<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input checked="" type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:																																																																																																				
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<b>Stream Characterization</b>		<b>Date:</b> 8/27/2019	<b>Time:</b> 2:00pm	<b>Site:</b>	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Willow Creek - Section 3		<b>Investigators:</b> BJH, CBM	

  

<b>Weather in the past 24 hours:</b> <input checked="" type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)	<b>3. Circle flow regime:</b> EPHEMERAL <input checked="" type="checkbox"/> PERENNIAL INTERMITTENT	<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> sewage <input type="checkbox"/> milky <input type="checkbox"/> chlorine <input type="checkbox"/> foamy <input type="checkbox"/> fishy <input type="checkbox"/> turbid <input type="checkbox"/> rotten eggs <input checked="" type="checkbox"/> light brown <input type="checkbox"/> organic <input type="checkbox"/> dark brown <input checked="" type="checkbox"/> other: none <input type="checkbox"/> oily sheen <input type="checkbox"/> <input type="checkbox"/> orange <input type="checkbox"/> <input type="checkbox"/> greenish <input type="checkbox"/> <input type="checkbox"/> other:																																																																																																																																																					
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<b>18. Observed Fauna (make note of wildlife deterrents such as bird wires)</b> <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>List</th> </tr> <tr> <td>X</td> <td>Invertebrates dragonflies</td> </tr> <tr> <td></td> <td>Birds</td> </tr> <tr> <td></td> <td>Mammals</td> </tr> <tr> <td>X</td> <td>Reptile/Amphians frog</td> </tr> <tr> <td></td> <td>Fish</td> </tr> </table>			List	X	Invertebrates dragonflies		Birds		Mammals	X	Reptile/Amphians frog		Fish	<b>19. Additional Comments</b> double box culverts at north and south ends																																																																																																																																									
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<b>Stream Characterization</b>		<b>Date:</b> 7/29/2019	<b>Time:</b> 9am	<b>Site:</b> ORD TAP	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Willow Creek - Section 4		<b>Investigators:</b> BJH, CBM, KAS	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input checked="" type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL <input checked="" type="checkbox"/> PERENNIAL INTERMITTENT	9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																					
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A <input type="checkbox"/> 12-24 inches b) Approximate width of water flow: <input type="checkbox"/> N/A <input type="checkbox"/> 80 feet c) Approximate width of stream: (from top of bank to top of bank) <input type="checkbox"/> 30 ft left <input type="checkbox"/> 30 ft right d) Approximate height of banks (channel depth): <input type="checkbox"/> N/A <input type="checkbox"/> 12-24 inches e) Approximate depth of pool(s): <input type="checkbox"/> N/A <input type="checkbox"/> 12-24 inches		4. Stream habitats present: <input checked="" type="checkbox"/> Pool(s) <input checked="" type="checkbox"/> Run(s) <input checked="" type="checkbox"/> Riffles(s) <input type="checkbox"/> N/A 5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		None	Little	Some	Most	silt/clay/mud				<input checked="" type="checkbox"/>	sand			<input checked="" type="checkbox"/>		gravel		<input checked="" type="checkbox"/>			cobbles (2 - 10" diam.)					boulders (> 10" diam.)					bedrock					11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful 12. Pick the category that best describes the extent to which vegetation shades the stream: <input checked="" type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																																																			
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2. Plant Species Adjacent to stream (scientific name): <b>Trees:</b>  <b>Understory:</b> <i>Phragmites australis</i> , <i>Lythrum salicaria</i> , <i>Solidago sempervirens</i> , <i>Dipsacus laciniatus</i> , <i>Juncus sp.</i>		8. Facing upstream, does this stream have <u>tree</u> cover for 50 feet on the: left side <input type="checkbox"/> No <input type="checkbox"/> right side <input type="checkbox"/> No What is the % cover of <u>trees</u> per side of the stream? left side <input type="checkbox"/> % right side <input type="checkbox"/> % Facing upstream, does this stream have <u>shrub</u> cover for 50 feet on the: left side <input type="checkbox"/> No <input type="checkbox"/> right side <input type="checkbox"/> No What is the % cover of <u>shrubs</u> per side of the stream? Observer initials:		13. Pick the description that best fits the stream bank and the channel (facing upstream): a) Stream bank: <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> b) Shape of the channel: <input type="checkbox"/> Narrow, Deep <input type="checkbox"/> Wide, Deep <input type="checkbox"/> Narrow, Shallow <input checked="" type="checkbox"/> Wide, Shallow	Left	Right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																																																											
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<input type="checkbox"/>	<input type="checkbox"/>	Natural line impressed on the bank																																																																																																							
<input type="checkbox"/>	<input type="checkbox"/>	Shelving																																																																																																							
<input type="checkbox"/>	<input type="checkbox"/>	Changes in the character of soil																																																																																																							
<input type="checkbox"/>	<input type="checkbox"/>	Destruction of terrestrial vegetation																																																																																																							
<input type="checkbox"/>	<input type="checkbox"/>	Presence of litter and debris																																																																																																							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wracking																																																																																																							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetation matted down; bent, or absent																																																																																																							
<input type="checkbox"/>	<input type="checkbox"/>	Sediment sorting																																																																																																							
<input type="checkbox"/>	<input type="checkbox"/>	Leaf litter disturbed or washed away																																																																																																							
<input type="checkbox"/>	<input type="checkbox"/>	Scour																																																																																																							
<input type="checkbox"/>	<input type="checkbox"/>	Deposition																																																																																																							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Multiple observed flow events																																																																																																							
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15. In the vicinity of the stream, Check "P" if present, "C" if common: <table border="1" style="width:100%; text-align: center;"> <tr> <th>Left</th> <th>Right</th> <th></th> </tr> <tr> <td>P C</td> <td>P C</td> <td>Natural Streamside plant cover degraded</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Banks collapsed/eroded</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Garbage/junk adjacent to the stream</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Foam or sheen on bank</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Mud, silt, or sand in or entering the stream</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Garbage/junk in the stream</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Yard waste on bank (clippings, leaves, etc.)</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Livestock in or with unrestricted access</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Actively discharging pipes</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Other pipes</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>Ditches entering stream</td> </tr> </table>		Left	Right		P C	P C	Natural Streamside plant cover degraded	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Banks collapsed/eroded	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Garbage/junk adjacent to the stream	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Foam or sheen on bank	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Mud, silt, or sand in or entering the stream	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Garbage/junk in the stream	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Yard waste on bank (clippings, leaves, etc.)	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Livestock in or with unrestricted access	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Actively discharging pipes	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Other pipes	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Ditches entering stream	17. Waters Type <table border="1" style="width:100%; text-align: center;"> <tr> <td><input checked="" type="checkbox"/></td> <td>DELINEATE</td> <td><input type="checkbox"/></td> <td>RPWNN</td> </tr> <tr> <td><input type="checkbox"/></td> <td>TNWW</td> <td><input type="checkbox"/></td> <td>NRPW</td> </tr> <tr> <td><input type="checkbox"/></td> <td>TNWW</td> <td><input type="checkbox"/></td> <td>NRPW</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>RPW</td> <td><input type="checkbox"/></td> <td>ISOLATE</td> </tr> <tr> <td><input type="checkbox"/></td> <td>RPWWD</td> <td><input type="checkbox"/></td> <td>UPLAND</td> </tr> <tr> <td><input type="checkbox"/></td> <td></td> <td><input type="checkbox"/></td> <td>TNWRPW</td> </tr> </table>		<input checked="" type="checkbox"/>	DELINEATE	<input type="checkbox"/>	RPWNN	<input type="checkbox"/>	TNWW	<input type="checkbox"/>	NRPW	<input type="checkbox"/>	TNWW	<input type="checkbox"/>	NRPW	<input checked="" type="checkbox"/>	RPW	<input type="checkbox"/>	ISOLATE	<input type="checkbox"/>	RPWWD	<input type="checkbox"/>	UPLAND	<input type="checkbox"/>		<input type="checkbox"/>	TNWRPW																																										
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Stream Characterization		Date: Aug 2 & 3 Time: 4pm-11am	Site: North arifield, gabion section		County:		Cook	
Field ID: Stream/Vitch		Stream Name: Willow Creek - section 5		Investigators:		BJH, CBM		

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)			3. Circle flow regime: EPHEMERAL <input checked="" type="checkbox"/> PERENNIAL    INTERMITTENT			9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:			10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none		
1. a) Approximate depth of water in stream:  <input type="checkbox"/> N/A    3-6 ft			5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input type="checkbox"/> slow <input type="checkbox"/> N/A								
b) Approximate width of water flow:  <input type="checkbox"/> N/A    35-40 ft			6. Nature of the particles in the stream bottom:  None Little Some Most								
c) Approximate width of stream: (from top of bank to top of bank)  35-40 ft			d) Approximate height of banks (channel depth): left 25-30 ft right 25-30 ft			e) Approximate depth of pool(s):  <input checked="" type="checkbox"/> N/A					
2. Plant Species Adjacent to stream (scientific name):  Trees: N/A  Understory: N/A			3. Circle flow regime: EPHEMERAL <input checked="" type="checkbox"/> PERENNIAL    INTERMITTENT			9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:			10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input type="checkbox"/> other: <input checked="" type="checkbox"/> none		
11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful			12. Pick the category that best describes the extent to which vegetation shades the stream:  <input checked="" type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% other - %			13. Pick the description that best fits the stream bank and the channel (facing upstream):  a) Stream bank: Left <input checked="" type="checkbox"/> Vertical undercut Steeply sloping (>30°) Gradual/No slope (<30°) Right <input checked="" type="checkbox"/> X b) Shape of the channel: <input checked="" type="checkbox"/> Narrow, Deep    Wide, Deep <input type="checkbox"/> Narrow, Shallow    Wide, Shallow					
14. Describe the streamside cover. Check "P" if present, "C" if common a) Along the water's edge and stream bank only (facing upstream): Left P C P C Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, <input checked="" type="checkbox"/> Gabions			8. Facing upstream, does this stream have tree cover for 50 feet on the: left side No right side no What is the % cover of trees per side of the stream? left side 0% right side 0% Facing upstream, does this stream have shrub cover for 50 feet on the: left side no right side no What is the % cover of shrubs per side of the stream? Observer initials:			16. Ordinary High Water Mark Determination Check "P" if observed; Check "U" if used to determine OHWM P U Natural line impressed on the bank Shelving Changes in the character of soil Destruction of terrestrial vegetation Presence of litter and debris Wracking Vegetation matted down; bent, or absent Sediment sorting Leaf litter disturbed or washed away Scour Deposition Multiple observed flow events Bed and banks Water staining Change in plant community					
b) From the top of the streambank out to 50 feet: Left P C P C Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks Gravel/Sand Bare Soil Pavement, Structures			15. In the vicinity of the stream, Check "P" if present, "C" if common: Left P C P C Natural Streamside plant cover degraded Banks collapsed/eroded Garbage/junk adjacent to the stream Foam or sheen on bank Mud, silt, or sand in or entering the stream Garbage/junk in the stream Yard waste on bank (clippings, leaves, etc.) Livestock in or with unrestricted access Actively discharging pipes Other pipes Ditches entering stream			17. Waters Type DELINEATE <input checked="" type="checkbox"/> TNW <input type="checkbox"/> TNWW <input type="checkbox"/> RPW <input type="checkbox"/> RPWWD RPWNN NRPW NRPWW ISOLATE UPLAND TNRWPPW					
18. Observed Fauna (make note of wildlife deterrents such as bird wires) List <input type="checkbox"/> Invertebrates <input type="checkbox"/> Birds <input type="checkbox"/> Mammals <input type="checkbox"/> Reptile/Amphians <input checked="" type="checkbox"/> Fish carp			19. Additional Comments gabion-lined, 25-30 ft tall; top of gabion mapped vegetation on 2nd gabion tier approx. 10ft above stream			Datasheet entered by: Last Revised: 09/25					

<b>Stream Characterization</b>		<b>Date:</b> 8/12/2019	<b>Time:</b> 9:00am	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Willow Creek - Section 6		<b>Investigators:</b> BJH	

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL INTERMITTENT <input checked="" type="checkbox"/> PERENNIAL	<b>9. Water Appearance:</b> <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	<b>10. Water Odor:</b> <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																																																																				
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<b>Stream Characterization</b>		<b>Date:</b> 7/30/2019	<b>Time:</b>	<b>Site:</b> ORD TAP	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Willow Creek - Section 7		<b>Investigators:</b> BJH, CBM, KAS	

  

Weather in the past 24 hours: <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input type="checkbox"/> Clear/Sunny <input checked="" type="checkbox"/> Showers (intermittent rain)		3. Circle flow regime: EPHEMERAL <input checked="" type="checkbox"/> PERENNIAL INTERMITTENT	9. Water Appearance: <input checked="" type="checkbox"/> clear <input type="checkbox"/> milky <input type="checkbox"/> foamy <input type="checkbox"/> turbid <input type="checkbox"/> light brown <input type="checkbox"/> dark brown <input type="checkbox"/> oily sheen <input type="checkbox"/> orange <input type="checkbox"/> greenish <input type="checkbox"/> other:	10. Water Odor: <input type="checkbox"/> sewage <input type="checkbox"/> chlorine <input type="checkbox"/> fishy <input type="checkbox"/> rotten eggs <input type="checkbox"/> organic <input checked="" type="checkbox"/> other: none																																																																																																																																																			
1. a) Approximate depth of water in stream: <input type="checkbox"/> N/A 6 inches to 3 ft b) Approximate width of water flow: <input type="checkbox"/> N/A 150 ft c) Approximate width of stream: (from top of bank to top of bank) 300 ft d) Approximate height of banks (channel depth): left 75 ft right 50 ft e) Approximate depth of pool(s): <input checked="" type="checkbox"/> N/A		4. Stream habitats present: <input type="checkbox"/> Pool(s) <input checked="" type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input type="checkbox"/> N/A 5. Stream Velocity: <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A 6. Nature of the particles in the stream bottom: <table border="1" style="width:100%; text-align: center;"> <tr> <th></th> <th>None</th> <th>Little</th> <th>Some</th> <th>Most</th> </tr> <tr> <td>silt/clay/mud</td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> </tr> <tr> <td>cobbles (2 - 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>boulders (&gt; 10" diam.)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>bedrock</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		None	Little	Some	Most	silt/clay/mud				<input checked="" type="checkbox"/>	sand					gravel		<input checked="" type="checkbox"/>			cobbles (2 - 10" diam.)					boulders (> 10" diam.)					bedrock					11. Presence of logs or large woody debris in stream: <input checked="" type="checkbox"/> None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful 12. Pick the category that best describes the extent to which vegetation shades the stream: <input checked="" type="checkbox"/> 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - %																																																																																																																	
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Ordinary High Water Mark Determination Check "P" if observed; Check "U" if used to determine OHWM <table border="1" style="width:100%; text-align: center;"> <tr> <th>P</th> <th>U</th> <th></th> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Natural line impressed on the bank</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Shelving</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Changes in the character of soil</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Destruction of terrestrial vegetation</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Presence of litter and debris</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Wracking</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Vegetation matted down; bent, or absent</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Sediment sorting</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Leaf litter disturbed or washed away</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Scour</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Deposition</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Multiple observed flow events</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Bed and banks</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Water staining</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Change in plant community</td> </tr> </table>		P	U		<input type="checkbox"/>	<input type="checkbox"/>	Natural line impressed on the bank	<input type="checkbox"/>	<input type="checkbox"/>	Shelving	<input type="checkbox"/>	<input type="checkbox"/>	Changes in the character of soil	<input type="checkbox"/>	<input type="checkbox"/>	Destruction of terrestrial vegetation	<input type="checkbox"/>	<input type="checkbox"/>	Presence of litter and debris	<input type="checkbox"/>	<input type="checkbox"/>	Wracking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetation matted down; bent, or absent	<input type="checkbox"/>	<input type="checkbox"/>	Sediment sorting	<input type="checkbox"/>	<input type="checkbox"/>	Leaf litter disturbed or washed away	<input type="checkbox"/>	<input type="checkbox"/>	Scour	<input type="checkbox"/>	<input type="checkbox"/>	Deposition	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Multiple observed flow events	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bed and banks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water staining	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Change in plant community
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18. Observed Fauna (make note of wildlife deterrents such as bird wires) <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="2">List</th> </tr> <tr> <td><input type="checkbox"/></td> <td>Invertebrates</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Birds</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Mammals</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Reptile/Amphians</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Fish</td> </tr> </table>		List		<input type="checkbox"/>	Invertebrates	<input checked="" type="checkbox"/>	Birds	<input type="checkbox"/>	Mammals	<input type="checkbox"/>	Reptile/Amphians	<input type="checkbox"/>	Fish	19. Additional Comments banks vegetated with some armoring 6-10 feet up south and north sides;																																																																																																																																									
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Datasheet entered by: Last Revised: 08/19

<b>Stream Characterization</b>		<b>Date:</b> 7/30/2019	<b>Time:</b>	<b>Site:</b> ORD TAP	<b>County:</b>	<b>Cook</b>
<b>Field ID:</b> Stream/Sitch	<b>Stream Name:</b> Willow Creek - Section 8				<b>Investigators:</b>	BJH, CBM

  

<b>Weather in the past 24 hours:</b> <input type="checkbox"/> Storm (heavy rain) <input type="checkbox"/> Overcast <input type="checkbox"/> Rain (steady rain) <input checked="" type="checkbox"/> Clear/Sunny <input checked="" type="checkbox"/> Showers (intermittent rain)		<b>3. Circle flow regime:</b> EPHEMERAL    PERENNIAL INTERMITTENT		<b>9. Water Appearance:</b> <input type="checkbox"/> clear <input type="checkbox"/> sewage <input type="checkbox"/> milky <input type="checkbox"/> chlorine <input type="checkbox"/> foamy <input type="checkbox"/> fishy <input type="checkbox"/> turbid <input type="checkbox"/> rotten eggs <input type="checkbox"/> light brown <input type="checkbox"/> organic <input type="checkbox"/> dark brown    other: <input type="checkbox"/> oily sheen    none <input type="checkbox"/> orange    none <input type="checkbox"/> greenish    none <input type="checkbox"/> other:																																																																																	
<b>1. a) Approximate depth of water in stream:</b> <input type="checkbox"/> N/A    2-3 feet  <b>b) Approximate width of water flow:</b> <input type="checkbox"/> N/A    50ft  <b>c) Approximate width of stream:</b> (from top of bank to top of bank) 60ft  <b>d) Approximate height of banks (channel depth):</b> left 20 ft    right 20 ft  <b>e) Approximate depth of pool(s):</b> <input checked="" type="checkbox"/> X N/A		<b>4. Stream habitats present:</b> <input type="checkbox"/> Pool(s) <input checked="" type="checkbox"/> Run(s) <input type="checkbox"/> Riffles(s) <input type="checkbox"/> N/A  <b>5. Stream Velocity:</b> <input type="checkbox"/> fast <input type="checkbox"/> moderate <input checked="" type="checkbox"/> slow <input type="checkbox"/> N/A  <b>6. Nature of the particles in the stream bottom:</b> <div style="text-align: center;">None   Little   Some   Most</div> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>silt/clay/mud</td><td></td><td></td><td></td><td>X</td></tr> <tr><td>sand</td><td></td><td></td><td></td><td></td></tr> <tr><td>gravel</td><td></td><td></td><td></td><td></td></tr> <tr><td>cobbles (2 - 10" diam.)</td><td></td><td></td><td></td><td></td></tr> <tr><td>boulders (&gt; 10" diam.)</td><td></td><td></td><td></td><td></td></tr> <tr><td>bedrock</td><td></td><td></td><td></td><td></td></tr> </table>		silt/clay/mud				X	sand					gravel					cobbles (2 - 10" diam.)					boulders (> 10" diam.)					bedrock																																																								
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<b>2. Plant Species Adjacent to stream (scientific name):</b>  <b>Trees:</b>   <b>Understory:</b> <i>no vegetation; channelized</i>   		<b>7. Presence of naturally occurring organic material in stream:</b> <input type="checkbox"/> None <input checked="" type="checkbox"/> Occasional <input type="checkbox"/> Unknown <input type="checkbox"/> Plentiful  <b>8. Facing upstream, does this stream have tree cover for 50 feet on the:</b> left side no    right side no  <b>What is the % cover of trees per side of the stream?</b> left side ____%    right side ____%  <b>Facing upstream, does this stream have shrub cover for 50 feet on the:</b> left side no    right side no  <b>What is the % cover of shrubs per side of the stream?</b> Observer initials: _____		<b>11. Presence of logs or large woody debris in stream:</b> <input checked="" type="checkbox"/> X None <input type="checkbox"/> Occasional <input type="checkbox"/> Plentiful  <b>12. Pick the category that best describes the extent to which vegetation shades the stream:</b> <input checked="" type="checkbox"/> X 0% <input type="checkbox"/> 50% <input type="checkbox"/> 100% <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> other - ____%  <b>13. Pick the description that best fits the stream bank and the channel (facing upstream):</b>  <b>a) Stream bank:</b> Left <input checked="" type="checkbox"/> X    Right <input type="checkbox"/> Vertical/undercut Steeply sloping (>30°) Gradual/No slope (<30°)  <b>b) Shape of the channel:</b> <input type="checkbox"/> Narrow, Deep    Wide, Deep <input type="checkbox"/> Narrow, Shallow    Wide, Shallow <input checked="" type="checkbox"/> X																																																																																	
<b>14. Describe the streamside cover. Check "P" if present, "C" if common</b> <b>a) Along the water's edge and stream bank only (facing upstream):</b> Left P C <table border="1" style="float: left; margin-top: 10px;"> <tr><td>P</td><td>C</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> <div style="clear: both;"></div> <p style="text-align: center;">Trees Bushes, Shrubs Tall grasses, forbs Lawn, maintained landscape Boulders/Rocks/Rip Rap Gravel/Sand Bare Soil Pavement, Structures, Gabions</p> Right P C <table border="1" style="float: right; margin-top: 10px;"> <tr><td>P</td><td>C</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>		P	C																			P	C																			<b>16. Ordinary High Water Mark Determination</b>  Check "P" if observed; Check "U" if used to determine OHWM P U <table border="1" style="width: 100%;"> <tr><td></td><td>Natural line impressed on the bank</td></tr> <tr><td></td><td>Shelving</td></tr> <tr><td></td><td>Changes in the character of soil</td></tr> <tr><td></td><td>Destruction of terrestrial vegetation</td></tr> <tr><td></td><td>Presence of litter and debris</td></tr> <tr><td></td><td>Wracking</td></tr> <tr><td></td><td>Vegetation matted down; bent, or absent</td></tr> <tr><td></td><td>Sediment sorting</td></tr> <tr><td></td><td>Leaf litter disturbed or washed away</td></tr> <tr><td></td><td>Scour</td></tr> <tr><td></td><td>Deposition</td></tr> <tr><td></td><td>Multiple observed flow events</td></tr> <tr><td></td><td>Bed and banks</td></tr> <tr><td>X</td><td>Water staining</td></tr> <tr><td>X</td><td>Change in plant community</td></tr> </table>					Natural line impressed on the bank		Shelving		Changes in the character of soil		Destruction of terrestrial vegetation		Presence of litter and debris		Wracking		Vegetation matted down; bent, or absent		Sediment sorting		Leaf litter disturbed or washed away		Scour		Deposition		Multiple observed flow events		Bed and banks	X	Water staining	X	Change in plant community										
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<b>Stream Characterization</b>		<b>Date:</b> 7/17/2019	<b>Time:</b> AM	<b>Site:</b> ORD	<b>County:</b> Cook
<b>Field ID:</b> Stream/Ditch		<b>Stream Name:</b> Willow Creek - section 9		<b>Investigators:</b> BJH, KAS	

  

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