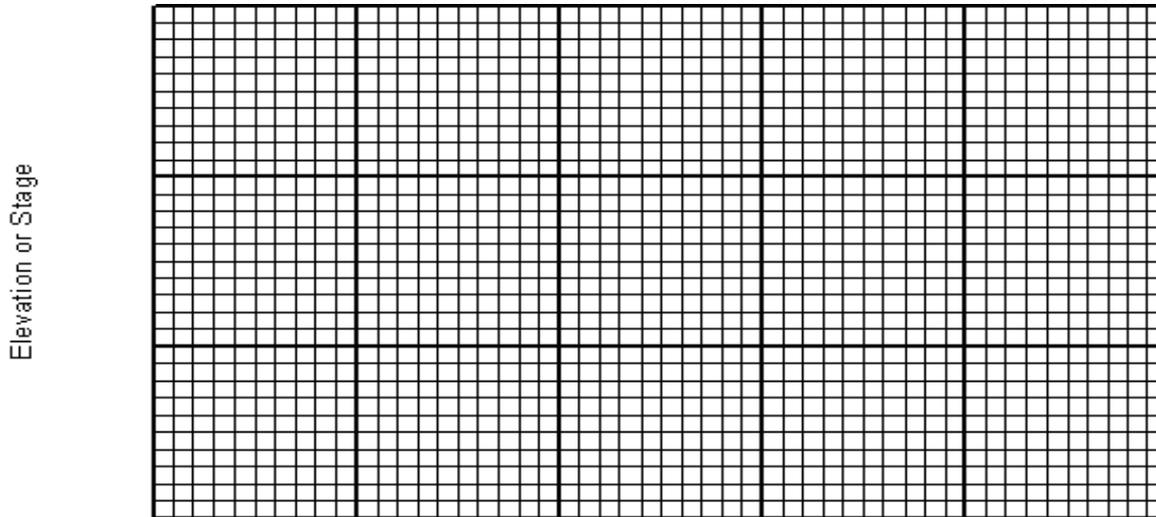


TR 55 Worksheet 6a: Detention Basin Peak Outflow, Storage Volume (V_s) Known

Project: _____ Location: _____

Circle one: Present Developed



Detention Basin Storage

<p>1. Data: Drainage area, A_m = _____ mi^2 Rainfall distribution Type (II, III, DMV) = _____</p>	<p>6. Compute V_s V_r</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">1st Stage</th> <th style="width: 50%;">2nd Stage</th> </tr> <tr> <td style="height: 20px;"> </td> <td style="height: 20px;"> </td> </tr> </table>	1st Stage	2nd Stage				
1st Stage	2nd Stage							
<p>2. Frequency yr</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <th style="width: 50%;">1st Stage</th> <th style="width: 50%;">2nd Stage</th> </tr> <tr> <td style="height: 20px;"> </td> <td style="height: 20px;"> </td> </tr> </table>	1st Stage	2nd Stage			<p>7. q_o in q_i</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <td style="width: 50%; height: 20px;"> </td> <td style="width: 50%; height: 20px;"> </td> </tr> </table>			
1st Stage	2nd Stage							
<p>3. Storage volume, V_s ac-ft</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <td style="width: 50%; height: 20px;"> </td> <td style="width: 50%; height: 20px;"> </td> </tr> </table>			<p>8. Peak inflow discharge, ^{1/} q_i cfs (From Worksheet 4 or 5b)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <td style="width: 50%; height: 20px;"> </td> <td style="width: 50%; height: 20px;"> </td> </tr> </table>					
<p>4. Runoff, Q in (From Worksheet 2)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <td style="width: 50%; height: 20px;"> </td> <td style="width: 50%; height: 20px;"> </td> </tr> </table>			<p>9. Peak outflow discharge, ^{1/} q_o cfs $(q_o = q_i (q_o))$ q_i</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <td style="width: 50%; height: 20px;"> </td> <td style="width: 50%; height: 20px;"> </td> </tr> </table>					
<p>5. Runoff volume V_r ac-ft $(V_r = 53.33 QA_m)$</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <td style="width: 50%; height: 20px;"> </td> <td style="width: 50%; height: 20px;"> </td> </tr> </table>			<p>10. Maximum stage, E_{max} (From plot)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <td style="width: 50%; height: 20px;"> </td> <td style="width: 50%; height: 20px;"> </td> </tr> </table>					

^{1/} 2nd stage q_o includes 1st stage q_o .

Designed By: _____	Date: _____
Checked By: _____	Date: _____