

| Alternative Layouts Scoring Matrix (Appendix 2A-C) | | Nature of Impact | | | | | | | Without Mitigation (Baseline) | | | | | With Mitigation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------|---|----------|----------|----------------------------------|------------------|----------------------|--------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------|----------------------|--------------------------------|-------------------------------------|---|-----|-----|--|----------|-------------------------|----------|----------|--|----------|-------------|------|------|--|-----------|-------------------------|--------|--------|--|------------|---------------|-----|-----|--|----------|---|--|--------------|-----|----|----|-----|----|----|----|----|----|----|----|----|
| Please note: Impacts presented differ in their severity compared with the preferred layout (Alternative 2D). Other impacts remain at the same severity as ranked in the Preferred Layout Alternative Scoring Matrix (not presented here) | | Number | Aspect | Impact | Probability (Likelihood) | Extent | Duration (Frequency) | Magnitude (Intensity/Severity) | Receiving Environment (Consequence) | Without Mitigation Score (Baseline) | Probability (Likelihood) | Extent | Duration (Frequency) | Magnitude (Intensity/Severity) | Receiving Environment (Consequence) | With Mitigation Score (Impact Assessment) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENVIRONMENTAL RATING SIGNIFICANCE KEY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONSTRUCTION PHASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="2">SIGNIFICANCE</th> <th colspan="2">RATING</th> <th>Final rating score / value range</th> </tr> <tr> <td>Very Significant</td> <td>Very High</td> <td colspan="2">High</td> <td>>11 to >16</td> </tr> <tr> <td>Increasing Significance</td> <td>Medium</td> <td colspan="2">Medium</td> <td>>7 to >11</td> </tr> <tr> <td>Significant</td> <td>Low</td> <td colspan="2">Low</td> <td>>4 to >7</td> </tr> <tr> <td>Increasing Significance</td> <td>Very Low</td> <td colspan="2">Very Low</td> <td>>0 to >4</td> </tr> <tr> <td>Significant</td> <td>High</td> <td colspan="2">High</td> <td>-1 to <-2</td> </tr> <tr> <td>Increasing Significance</td> <td>Medium</td> <td colspan="2">Medium</td> <td>-4 to <-10</td> </tr> <tr> <td>Insignificant</td> <td>Low</td> <td colspan="2">Low</td> <td>1 to <-4</td> </tr> </table> | SIGNIFICANCE | | RATING | | Final rating score / value range | Very Significant | Very High | High | | >11 to >16 | Increasing Significance | Medium | Medium | | >7 to >11 | Significant | Low | Low | | >4 to >7 | Increasing Significance | Very Low | Very Low | | >0 to >4 | Significant | High | High | | -1 to <-2 | Increasing Significance | Medium | Medium | | -4 to <-10 | Insignificant | Low | Low | | 1 to <-4 | 1 | | Connectivity | -16 | -2 | -2 | -16 | -4 | -8 | -4 | -2 | -2 | -4 | -2 | -3 |
| | SIGNIFICANCE | | RATING | | Final rating score / value range | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Very Significant | Very High | High | | >11 to >16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Increasing Significance | Medium | Medium | | >7 to >11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Significant | Low | Low | | >4 to >7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Increasing Significance | Very Low | Very Low | | >0 to >4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Significant | High | High | | -1 to <-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Increasing Significance | Medium | Medium | | -4 to <-10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insignificant | Low | Low | | 1 to <-4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Botanical | Protected and endangered plant species | -16 | -4 | -16 | -4 | -8 | -10 | -4 | -2 | -2 | -2 | -8 | -4 | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Cumulative impacts | -16 | -4 | -16 | -4 | -8 | -10 | -4 | -2 | -4 | -4 | -8 | -4 | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Freshwater | Cumulative impact of solid waste ending up in the drainage line and Orange | -16 | -4 | -2 | -16 | -8 | -10 | -4 | -2 | -4 | -4 | -4 | -2 | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | Impact of graves and domestic animals on the riparian zone, trampling, destru | -8 | -4 | -2 | -8 | -8 | -5 | -4 | -2 | -2 | -2 | -2 | -4 | -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Watercourse | Sedimentation of drainage line due to the uncontrolled stormwater runoff naturally flowing towards the drainage line. | -2 | -2 | -8 | -16 | -4 | -7 | -1 | -2 | -2 | -2 | -8 | -2 | -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Visual | Site may be not aesthetic amid natural background. | -16 | -2 | -16 | -4 | -4 | -9 | -4 | -2 | -4 | -4 | -8 | -4 | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Noise | Noise will be generated during the construction phase. | -8 | -4 | -2 | -8 | -8 | -6 | -4 | -2 | -2 | -2 | -2 | -4 | -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPERATIONAL PHASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IMPACT SEVERITY REMAINS THE SAME AS PREFERRED LAYOUT ALTERNATIVE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DECOMMISSIONING PHASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IMPACT SEVERITY REMAINS THE SAME AS PREFERRED LAYOUT ALTERNATIVE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |