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| HDR One Co alt format | Meeting Notes |
| Subject:  | pH Phase 1 |
| Client:  | ODOT |
| Project:  | Portsmouth Phase 1 | Project No:  | 45878 |
| Meeting Date:  | Aug 20, 2009 | Meeting Location:  | Site Visit |
| Notes by:  | KAG |

**Attendees:**

Kathryn Gruver and Bryan Elkan

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| Stream | CulvertStation | pH | Notes |
| 24 | 345+00 | 7.4 | Stream on road – phase 3 |
|  | 354+00 | No flow |  |
| 23 | 364+00 | 7.4 | Railroad - 12’ arch |
| 22c | 375+00 | 7.5 | Main channel on down station side of road at outlet of proposed culvert |
| downstream 21 | 404+00412+00 | 7.3 |  |
| 20 |  |  | Bridge overpass no culvert, no access point for pH sample |
| 18 | 465+25473+80SR 139504+50 | 7.5 | Long Run |
| 17A | 535+00CR 28 20+00 | 7.1 |  |
| 17B | CR28 10+80 | 7.2 | Culvert pipe corroded before headwall at outlet end. Large scour hole at outlet. |

pH from ASCE SMOIR report

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| Stream | CulvertStation | pH | Notes |
| 24 |  | 7.3 |  |
|  |  |  |  |
| 23 |  | 7.3 |  |
|  |  |  |  |
| 21 |  | 6.1 |  |
| 19 |  | 7.3 |  |
| 17a |  | 6.7 |  |
| 17b |  | 7.1 |  |
| 18 |  | 7.5 |  |
| 20 |  | 7.2 |  |
| 21 |  | 6.1 |  |
| 22a |  | 7.1 |  |
| 22b |  | 7.5 |  |
| 25 |  | 6.9 |  |
| 26 |  | 6.5 |  |
| 28 |  |  | Dry |
| 29 |  | 6.1 |  |
| 30 |  | 6.0 |  |
| 32 |  | 7.1 |  |
| 33 |  | 7.0 |  |
| 34 |  | 7.4 |  |