APPENDIX B

Routine On-site Wetland Determination Data Sheets



| Project Site: Poth | | ir | | | Date: 11/ | | | Project #: 16 | 591.01 | |
|--|--|--|--|--|---|---|-----------------------|--|--|--|
| Applicant/Owner: WDFW Test Plot Location: Unit B 20 ft north of Berm 1's wetland flag | | | | | County/State: Grant County, Washington ag 13S Sec/Town/Range: S1 T18N R27E, S36 T19N R27E, and S31 T19N R2 | | | | | |
| Test Plot Location | on: Unit B 20 | Oft north | of Berm 1's | wetland flag 13S | Sec/Town/ | Range: S | 1 T18N R27E, | S36 T19N R27E, and | d S31 T19N R28E | |
| | | | | | | | | | | |
| Do normal circur | nstances exis | t at the si | te? | | ⊠Yes | □No | Plot II | D: TP-lup | | |
| Is the site signific | antly disturb | ed (atypi | cal situation | n)? | □Yes | ⊠No | Comn | nunity ID: | | |
| Is the site a poten | tial problem | area? | | | □Yes | ⊠No | Trans | ect ID: | | |
| NAME OF THE OWNER OW | | | | | | | | | | |
| VEGETATION | (Strata: tree. | sapling, | shrub, woo | dy vine, herb) | 10 102 | | | | | |
| Dominant Plant S | | F 67 | , | .,,, | | | | | | |
| | ion Name | | | Scientific | Name | | Strata | % Cover | Indicator Status | |
| 1. Douglas rabbitl | | | Chrysotho | mnus viscidiflorus | | | Herb | 20 | NI | |
| grav rabbitbrus | | | | mnus nauseosus | | | Herb | 20 | NI NI | |
| 3. tumble mustard | | | | m altissimum | | | Herb | 20 | FACU- | |
| 4. | . | | Sisymoria | т иньытит | | - | TICIO | 20 | | |
| 5. | | | | | | | | | | |
| 6. | | | | | | | | | | |
| 7. | Maria A 198 | | | | | | | | - | |
| 8. | | | | 1 | | | - | | | |
| | . D | 1 . 2007 | | | | | | | | |
| Other species pres | | | | | | | 100 | | | |
| % of dominant sp | | | | | (more than 5 |)% require | ed) | | | |
| Remarks: * = don | ninant species | per the 50 | 0/20 rule, 0/ | 3 = 0% | | | | | | |
| 8 | | | | | | | | Vegetation Crit | eria Met? 🗌 Yes 🖾 No | |
| | | | | | | | | w | | |
| HYDROLOGY | | - | | • | | | | | | |
| Recorded data av | | ⊠ Y | | lo | Type(s): | | | | | |
| Is it the growing s | | □ Y | es 🛛 N | | | | | <u>lydrology Indicators</u> | | |
| Is site inundated? | | □ Y | es 🛛 N | lo | <u>Primary I</u> | | | Secondary Indicato | | |
| | | | | | ☐ Inund | | | | Channels < 12in. bgs | |
| Depth of surface | | <u>N/A</u> | | | 2,033,000 | ated < 12 ir | 1. | ■ Local Soil Surv | | |
| Depth to free wat | | N/A | | | Water | Marks | | ☐ Water Stained | Lagues | |
| | | | | | _ | | | | | |
| Depth to saturate | d soils: | N/A | | | Drift 1 | | | FAC-Neutral T | est | |
| Depth to saturate | d soils: | | | | ☐ Drift ☐ Sedim | ent Deposi | | | est | |
| Depth to saturate | d soils: | | | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri | | FAC-Neutral T Other (Explain | est in remarks) | |
| · | | N/A | | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi | | FAC-Neutral T Other (Explain | est | |
| Remarks: The crit | | N/A | | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri | | FAC-Neutral T Other (Explain | est in remarks) | |
| · | | N/A | | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri | | FAC-Neutral T Other (Explain | est in remarks) | |
| Remarks: The crit | teria were not | N/A met. | | • | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri tlands | | FAC-Neutral T Other (Explain Hydrology Crit | eria Met? □Yes ⊠No | |
| Remarks: The crit | teria were not | N/A met. | | slopes (176) | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri tlands | 18 | FAC-Neutral T Other (Explain Hydrology Crit | `est in remarks) eria Met? □Yes ⊠No | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) | teria were not Wasner-Quin | met. | ands, 0-5% s | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri tlands | 18 | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained | eria Met? □Yes ⊠No aria Met? □Yes ⊠No ariaded essively Drained | |
| Remarks: The crit | teria were not Wasner-Quin | met. | ands, 0-5% s | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri tlands | 18 | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We | eria Met? □Yes ⊠No aria Met? □Yes ⊠No ained essively Drained | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quin | M/A met. ncy fine sa | ands, 0-5% s | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri tlands | 18 | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool | Test In remarks) Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes □Yes Peria Met? □Yes Peria Met. □Yes | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) | Wasner-Quin | M/A met. ncy fine sa | ands, 0-5% s | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri tlands | 18 | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained | Test In remarks) Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes □Yes Peria Met? □Yes Peria Met. □Yes | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quin | M/A met. ncy fine sa | ands, 0-5% s | | ☐ Drift ☐ Sedim☐ Drain | ent Deposi age Patteri tlands | 18 | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool | Test In remarks) Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes □Yes Peria Met? □Yes Peria Met. □Yes | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description | Wasner-Quin | M/A met. ncy fine sa | ands, 0-5% s | Yes ⊠No | ☐ Drift☐ Sedim☐ Drain in we | ent Deposi age Patterr tlands <u>Draina</u> | age Class: | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Poor Poorly Drained Very Poorly Dr | Test In remarks) Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes □Yes Peria Met? □Yes Peria Met. □Yes | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quin roup): mesic s confirm ma | N/A met. ncy fine sz Typic Psa | ands, 0-5% s | | ☐ Drift☐ Sedim☐ Drain in we | ent Deposi age Patteri tlands | age Class: | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained | Test In remarks) Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes ⊠No Peria Met? □Yes □Yes Peria Met? □Yes Peria Met. □Yes | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin | N/A met. ncy fine sa Typic Psa apped soil Matr | ands, 0-5% summaquents type? | Yes ⊠No | Drift Sedim Drain in we | ent Deposi age Patterr tlands <u>Draina</u> | age Class: | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Poor Poorly Drained Very Poorly Dr | Test In remarks) Teria Met? Yes No Teria Met? No Teria Met? In Yes No Teria Met? No Teria Met? No Teria Met? No Teria Met? No Teria Met. No T | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description | Wasner-Quin | Matr | ands, 0-5% summaquents | Yes ⊠No | Drift Sedim Drain in we | ent Deposi age Patterr tlands <u>Draina</u> | age Class: | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr | Test In remarks) Teria Met? Yes No Teria Met? No Teria Met? In Yes No Teria Met? No Teria Met? No Teria Met? No Teria Met? No Teria Met. No T | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin roup): mesic s confirm ma n Horizon | Matr | ands, 0-5% summaquents type? | Yes ⊠No <u>Mottle Color</u> | Drift Sedim Drain in we | ent Deposi age Patterr tlands <u>Draina</u> | age Class: | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr | Test in remarks) Teria Met? Yes No Teria Met? No Teria Met? Testure Texture | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin roup): mesic s confirm ma n Horizon | Matr | ands, 0-5% summaquents type? | Yes ⊠No <u>Mottle Color</u> | Drift Sedim Drain in we | ent Deposi age Patterr tlands <u>Draina</u> | age Class: | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr | Test in remarks) Teria Met? Yes No Teria Met? No Teria Met? Testure Texture | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin roup): mesic s confirm ma n Horizon | Matr | ands, 0-5% summaquents type? | Yes ⊠No <u>Mottle Color</u> | Drift Sedim Drain in we | ent Deposi age Patterr tlands <u>Draina</u> | age Class: | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr | Test in remarks) Teria Met? Yes No Teria Met? No Teria Met? Testure Texture | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quin roup): mesic s confirm ma on Horizon | Matr | ix color | Yes ⊠No Mottle Color - | Drift Sedim Drain in we | ent Deposi age Patterr tlands <u>Draina</u> e Abundan ommon, ma | age Class: | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Poor Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) seria Met? | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin roup): mesic s confirm ma on Horizon | met. Typic Psa apped soil Matr 10 Y | ands, 0-5% summaquents type? ix color YR 4/3 tosol (-ists) | Yes ⊠No Mottle Color - | Drift Sedim Drain in we | ent Deposi age Patterr tlands Drains e Abundan ommon, ma - Conditions | ns age Class: ce my) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Poor Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) seria Met? Yes No ained essively Drained ell Drained rly Drained rained Texture Sand sking in Sandy Soils | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quin roup): mesic s confirm ma on Horizon | met. Typic Psa apped soil Matr 10 Y | ix color YR 4/3 tosol (-ists) tic Epipedo | Yes ⊠No Mottle Color - | Mottll (few, co | ent Deposi age Patterr tlands Drains e Abundan ommon, ma - conditions ow Chrom | age Class: ce iny) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Poor Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) seria Met? Yes No ained essively Drained ell Drained rly Drained rained Texture sand king in Sandy Soils | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quin roup): mesic s confirm ma on Horizon | met. Typic Psa apped soil Matr 10 Y | ix color YR 4/3 tosol (-ists) tic Epipedo fidic Odor | Yes ⊠No Mottle Color - on (8-16") | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron concretions | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Poon Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loce | Test in remarks) seria Met? Yes No ained essively Drained ell Drained rly Drained rained Texture sand sking in Sandy Soils al Hydric Soils List | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quin roup): mesic s confirm ma on Horizon | met. Typic Psa apped soil Matr 10 Y | ix color YR 4/3 tosol (-ists) tic Epipedo | Yes ⊠No Mottle Color - on (8-16") | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Poor Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) seria Met? Yes No ained essively Drained ell Drained rly Drained rained Texture sand sking in Sandy Soils al Hydric Soils List | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Descriptio Depth (inches) 0-12" Hydric Soil Indicates | Wasner-Quin roup): mesic s confirm ma on Horizon - ators | met. Typic Psa apped soil Matr 10 Y His His Sul Aqu | ix color YR 4/3 tosol (-ists) tic Epipedo fidic Odor | Yes ⊠No Mottle Color - on (8-16") | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Poon Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loce | Test in remarks) seria Met? Yes No ained essively Drained ell Drained rly Drained rained Texture sand sking in Sandy Soils al Hydric Soils List | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quin roup): mesic s confirm ma on Horizon - ators | met. Typic Psa apped soil Matr 10 Y His His Sul Aqu | ix color YR 4/3 tosol (-ists) tic Epipedo fidic Odor | Yes ⊠No Mottle Color - on (8-16") | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) Teria Met? Yes No eria Met? Yes No eria Met? Yes No eria Met? Testure Texture Sand Sking in Sandy Soils All Hydric Soils List in remarks) | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Descriptio Depth (inches) 0-12" Hydric Soil Indicates | Wasner-Quin roup): mesic s confirm ma on Horizon - ators | met. Typic Psa apped soil Matr 10 Y His His Sul Aqu | ix color YR 4/3 tosol (-ists) tic Epipedo fidic Odor | Yes ⊠No Mottle Color - on (8-16") | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) seria Met? Yes No ained essively Drained essively Drained rly Drained rained Texture sand sking in Sandy Soils al Hydric Soils List | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indicates Remarks: The crit | Wasner-Quin roup): mesic s confirm ma on Horizon - ators | Matr 10 Y His His Sul Aquent | ix color YR 4/3 tosol (-ists) tic Epipedo fidic Odor | Yes ⊠No Mottle Color - on (8-16") | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) Teria Met? Yes No eria Met? Yes No eria Met? Yes No eria Met? Testure Texture Sand Sking in Sandy Soils All Hydric Soils List in remarks) | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indicate Remarks: The crit WETLAND DET | Wasner-Quin roup): mesic s confirm ma on Horizon - ators teria were not | Matr 10 Y His Sul Aqu met. | ix color (TR 4/3 tosol (-ists) tic Epipedo fidic Odor uic Moistur | Mottle Color - on (8-16") The Regime | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) Teria Met? Yes No eria Met? Yes No eria Met? Yes No eria Met? Testure Texture Sand Sking in Sandy Soils All Hydric Soils List in remarks) | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indicate WETLAND DET Hydrophytic Veg | Wasner-Quin roup): mesic s confirm ma on Horizon - ators teria were not | Matr 10 Y His Sul Aqu met. | ix color (R 4/3 tosol (-ists) tic Epipedo fidic Odor uic Moistur | Mottle Color | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) Teria Met? Yes No eria Met? Yes No eria Met? Yes No eria Met? Testure Texture Sand Sking in Sandy Soils All Hydric Soils List in remarks) | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indicate WETLAND DET Hydrophytic Veg Wetland Hydrolog | Wasner-Quin roup): mesic s confirm ma on Horizon - ators teria were not EERMINATIO tetation Domi ogy Present? | Matr 10 Y His Sul Aqu met. | ix color (R 4/3 tosol (-ists) tic Epipedo fidic Odor uic Moistur Yes Yes | Mottle Color - on (8-16") re Regime ⊠No ⊠No | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) Teria Met? Yes No eria Met? Yes No eria Met? Yes No eria Met? Testure Texture Sand Sking in Sandy Soils All Hydric Soils List in remarks) | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indicate Remarks: The crit WETLAND DET Hydrophytic Veg Wetland Hydrold Hydric Soil Prese | Wasner-Quin roup): mesic s confirm ma on Horizon - ators teria were not EERMINATIO getation Domi ogy Present? | Matr 10 Y His Sul Aqu met. | ix color (TR 4/3 tosol (-ists) tic Epipedo fidic Odor uic Moistur Yes Yes Yes | Mottle Color | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce any) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) Teria Met? Yes No eria Met? Yes No eria Met? Yes No eria Met? Testure Texture Sand Sking in Sandy Soils All Hydric Soils List in remarks) | |
| Remarks: The crit SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indicate WETLAND DET Hydrophytic Veg Wetland Hydrolog | Wasner-Quin roup): mesic s confirm ma on Horizon - ators teria were not EERMINATIO getation Domi ogy Present? | Matr 10 Y His Sul Aqu met. | ix color (TR 4/3 tosol (-ists) tic Epipedo fidic Odor uic Moistur Yes Yes Yes | Mottle Color - on (8-16") re Regime ⊠No ⊠No | Mottll (few, co | ent Deposi age Pattern tlands Drains e Abundan ommon, ma - conditions cow Chron foncretions nic Content | ce uny) | FAC-Neutral T Other (Explain Hydrology Crit Excessively Dra Somewhat Exce Well Drained Moderately We Somewhat Pool Poorly Drained Very Poorly Dr Mottle Size (fine, med, coarse | Test in remarks) Teria Met? Yes No eria Met? Yes No eria Met? Yes No eria Met? Testure Texture Sand Sking in Sandy Soils All Hydric Soils List in remarks) | |

Name: T. Dennis and M. McGraw

Sheet 1 of 22



| Project Site: Poth | ioles Reservoi | r | | | Date: 11/2 | 8/07 | | Project # : 169 | 1.01 |
|--|---|---|--|---|---|---|--|--|---|
| Applicant/Owner | r: WDFW | | | | County/Sta | te: Grai | nt County, WA | | |
| Test Plot Location | n: Unit B 40 | ft north c | f Berm 1's v | vetland flag 12S | Sec/Town/I | Range: | S1 T18N R27E, | S36 T19N R27E, and 5 | 331 T19N R28E |
| | | | | | | | | | |
| Do normal circur | nstances exist | at the sit | e? | | ⊠Yes | □No | Plot II | D: TP-2wet | |
| Is the site signific | antly disturb | ed (atypic | al situation | 1)? | □Yes | ⊠No | Comm | unity ID: | |
| Is the site a poten | | | | | □Yes | ⊠No | | ect ID: | |
| | | | | | | | | | |
| VEGETATION | (Strata: tree, | sapling, s | hrub, wood | ly vine, herb) | | | 0 | | Alternative Section 1 |
| Dominant Plant S | | | | | | | | | |
| | ion Name | | | Scientific I | Name | | Strata | % Cover II | ndicator Status |
| narrowleaf will | ow* | | Salix exign | ıa | | | Shrub | 30 | OBL |
| 2. reed canarygras | ss* | | Phalaris a | rundinacea | | | Herb | 20 | FACW |
| 3. hardstem bulru | sh* | | Schoenopl | ectus acutus | | | Herb | 20 | OBL |
| 4. curly dock* | | | Rumex cris | spus | | | Herb | 10 | FAC+ |
| 5. | | | | | | | - | | - |
| 6. | | | *************************************** | | | | - | | - |
| 7. | | | | | 5000 | | - | | |
| 8. | | | | | | | _ | | |
| Other species pres | ent: Baregrout | nd at 20% |) | | | | | | |
| % of dominant sr | | | | C+, FAC 100% | (more than 50 | % reaui | red) | | |
| Remarks: * = don | | | | | (111010 1111111111111111111111111111111 | | , | | |
| | | , | | | | | | Vegetation Criter | ia Met? ⊠Yes □No |
| | | | | | | | | <u> </u> | |
| HYDROLOGY | | | | | | | | | |
| Recorded data av | ailable? | ⊠ Ye | es 🗌 N | 0 | Type(s): | 22 | | | |
| Is it the growing | | □ Ye | Annual Street, Street | | - 3 F - (-). | | Wetland H | vdrology Indicators | |
| Is site inundated? | | | | | Primary In | dicators | | Secondary Indicators | (2 required) |
| | | - | | | Inunda | | | | hannels < 12in. bgs |
| Depth of surface | water: | N/A | | | ☐ Satura | ted < 12 | in. | ☐ Local Soil Surve | |
| Depth to free wat | | N/A | | | ☐ Water | Marks | | ☐ Water Stained L | eaves |
| Depth to saturate | | N/A | | | ☐ Drift L | ines | | | st |
| 3 Anniaged Avenue (Avenue (Ave | | | | | ☐ Sedime | nt Depo | sits | Other (Explain in | n remarke) |
| | | | | | | | | U Other (Explain) | ii i cinai ks) |
| | | | | | | | | Other (Explain i | ir remarks) |
| | | | | | | ge Patte | | 25 W | ia Met? ⊠Yes □No |
| Remarks: The cri | iteria were me | t. | | | Draina | ge Patte | | 25 W | 10 NOSCO 1940 1944 1944 1940 1940 1940 1940 1940 |
| Remarks: The cri | iteria were me | l. | | | Draina | ge Patte | | 25 W | 10 NOSCO 1940 1944 1944 1940 1940 1940 1940 1940 |
| Remarks: The cri | iteria were me | l | | | Draina | ge Patte lands | | 25 W | ria Met? ⊠Yes □No |
| SOILS: | | | ands, 0-5% s | clopes (176) | Draina | ge Patte lands | rns | Hydrology Criter | ria Met? ⊠Yes □No |
| | Wasner-Quit | | unds, 0-5% s | olopes (176) | Draina | ge Patte lands | rns | Hydrology Criter Excessively Drain | ria Met? ⊠Yes □No |
| SOILS: Map Unit Name: | Wasner-Quin | ncy fine sa | | olopes (176) | Draina | ge Patte lands | rns | Hydrology Criter Excessively Drait Somewhat Exces | ria Met? ⊠Yes □No ned sively Drained |
| SOILS: Map Unit Name: (Series and Phase) | Wasner-Quin | ncy fine sa | | lopes (176) | Draina | ge Patte lands | rns | Hydrology Criter Excessively Drair Somewhat Exces Well Drained Moderately Well Somewhat Poorl | ria Met? Yes No ned sively Drained Drained |
| SOILS: Map Unit Name: (Series and Phase) | Wasner-Quin | ncy fine sa | mmaquents | | Draina | ge Patte lands | rns | Hydrology Criter Excessively Drain Somewhat Exces Well Drained Moderately Well | ria Met? Yes No ned sively Drained Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quin | ncy fine sa | mmaquents | | Draina | ge Patte lands | rns | Hydrology Criter Excessively Drait Somewhat Exces Well Drained Moderately Well Somewhat Poorly | ria Met? |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quin roup): mesic s confirm ma | ncy fine sa Typic Psa | mmaquents | | Draina | ge Patte lands | rns | Hydrology Criter Excessively Drained Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained | ria Met? |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quin roup): mesic s confirm ma | ncy fine sa Typic Psa | mmaquents | | ⊠ Draina in wet | ge Patte lands | nage Class: | Hydrology Criter Excessively Drained Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size | ria Met? |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quin roup): mesic s confirm ma | ncy fine sa Typic Psa pped soil <u>M</u> atri | mmaquents type? ix color | ∕es □No | ☑ Draina in wet | ge Patte lands <u>Drai</u> | nage Class: | Hydrology Criter Excessively Drair Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra | ria Met? |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quin roup): mesic s confirm ma | ncy fine sa Typic Psa pped soil <u>M</u> atri | mmaquents | ∕es □No | ☑ Draina in wet | ge Patte lands <u>Drai</u> | nage Class: | Hydrology Criter Excessively Drained Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size | ria Met? |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin roup): mesic s confirm ma | ncy fine sa Typic Psa pped soil Matri | mmaquents type? ix color | ∕es □No | ☑ Draina in wet | ge Patte lands <u>Drai</u> | nage Class: | Hydrology Criter Excessively Drained Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size | ria Met? Yes No ned sively Drained Drained y Drained ined Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin roup): mesic s confirm ma on Horizon | ncy fine sa Typic Psa pped soil Matri | mmaquents type? ix color /R 5/2 | ∕es □No <u>Mottle Color</u> - | ☑ Draina in wet | ge Patte lands <u>Drai</u> Abunda mmon, n | nage Class: | Hydrology Criter Excessively Drain Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) | ned sively Drained Drained y Drained ined Texture sandy clay |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin roup): mesic s confirm ma on Horizon | ncy fine sa Typic Psa pped soil Matri | mmaquents type? ix color /R 5/2 | ∕es □No <u>Mottle Color</u> - | ☑ Draina in wet | ge Patte lands <u>Drai</u> Abunda mmon, n | nage Class: | Hydrology Criter Excessively Drain Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) | ned sively Drained Drained y Drained ined Texture sandy clay |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 1-3" 3-12" | Wasner-Quin roup): mesic s confirm ma on Horizon - | Typic Psa Typic Psa pped soil Matri 10 Y | type? ix color /R 5/2 /R 4/2 | ∕es □No <u>Mottle Color</u> - | Mottle (few, co | ge Patte lands Drai Abunda mmon, n - ommon | nage Class: | Hydrology Criter Excessively Drair Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) - med | ned sively Drained Drained y Drained ined I Texture sandy clay sand |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quin roup): mesic s confirm ma on Horizon - | Typic Psa pped soil Matri 10 Y 10 Y | type? \[\begin{align*} \text{ix color} \\ \text{TR 5/2} \\ \text{TR 4/2} \\ \text{tosol (-ists)} \end{align*} | Mottle Color - 2.5 YR 4/8 | Mottle (few, co | ge Patte lands Drai Abunda mmon, n - ommon | nage Class: | Hydrology Criter Excessively Drair Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) med Organic Streak | ned sively Drained Drained y Drained ined Texture sandy clay |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 1-3" 3-12" | Wasner-Quin roup): mesic s confirm ma on Horizon - | Typic Psa Typic Psa pped soil Matri 10 Y 10 Y | type? X ix color (R 5/2 (R 4/2 tosol (-ists) tic Epipedo | Mottle Color - 2.5 YR 4/8 | Mottle (few, co | Abundammon, n | nage Class: nace nany) | Hydrology Criter Excessively Drained Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) - med Organic Streak Organic Pans | ria Met? Yes No ned sively Drained Drained y Drained ined Texture sandy clay sand ing in Sandy Soils |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 1-3" 3-12" | Wasner-Quin roup): mesic s confirm ma on Horizon - | Typic Psa Typic Psa pped soil Matri 10 Y 10 Y His His Sul | type? X ix color //R 5/2 //R 4/2 tosol (-ists) tic Epipedo fidic Odor | Mottle Color - 2.5 YR 4/8 n (8-16") | Mottle (few, co | Abunda mmon, n | nage Class: nace nany) soma Colors | Hydrology Criter Excessively Drained Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) - med Organic Streak Organic Pans Listed on Local | ria Met? Yes No ned sively Drained Drained y Drained ined Texture sandy clay sand ing in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 1-3" 3-12" | Wasner-Quin roup): mesic s confirm ma on Horizon - | Typic Psa Typic Psa pped soil Matri 10 Y 10 Y His His Sul | type? X ix color (R 5/2 (R 4/2 tosol (-ists) tic Epipedo | Mottle Color - 2.5 YR 4/8 n (8-16") | Mottle (few, co | Abunda mmon, n | nage Class: nage Class: nace nany) soma Colors ns nt in | Hydrology Criter Excessively Drained Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) - med Organic Streak Organic Pans | ria Met? Yes No ned sively Drained Drained y Drained ined Texture sandy clay sand ing in Sandy Soils Hydric Soils List |
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| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 1-3" 3-12" Hydric Soil Indice | Wasner-Quin roup): mesic s confirm ma on Horizon ators | mey fine sa Typic Psa pped soil Matri 10 Y 10 Y 10 His His Sul Aqu | type? X ix color //R 5/2 //R 4/2 tosol (-ists) tic Epipedo fidic Odor | Mottle Color - 2.5 YR 4/8 n (8-16") | Mottle (few, co | Abunda mmon, n | nage Class: nage Class: nace nany) soma Colors ns nt in | Hydrology Criter Excessively Drain Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) med Organic Streak Organic Pans Listed on Local Other (explain | ria Met? Yes No ned sively Drained Drained y Drained ined Texture sandy clay sand ing in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 1-3" 3-12" Hydric Soil Indice | Wasner-Quin roup): mesic s confirm ma on Horizon ators | mey fine sa Typic Psa pped soil Matri 10 Y 10 Y His His Sul | type? X ix color //R 5/2 //R 4/2 tosol (-ists) tic Epipedo fidic Odor | Mottle Color - 2.5 YR 4/8 n (8-16") | Mottle (few, co | Abunda mmon, n | nage Class: nage Class: nace nany) soma Colors ns nt in | Hydrology Criter Excessively Drain Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) med Organic Streak Organic Pans Listed on Local Other (explain | ria Met? Yes No ned sively Drained Drained y Drained ined Texture sandy clay sand ing in Sandy Soils Hydric Soils List in remarks) |
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| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 1-3" 3-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg Wetland Hydrold | Wasner-Quin roup): mesic s confirm ma on Horizon - ators teria were met ERMINATIO getation Domi ogy Present? | mey fine sa Typic Psa pped soil Matri 10 Y 10 Y His Sul. Aqu | type? N ix color /R 5/2 /R 4/2 tosol (-ists) tic Epipedo fidic Odor aic Moistur Nes Yes Yes | Mottle Color 2.5 YR 4/8 n (8-16") e Regime □No □No | Mottle (few, co | Abunda mmon, n | nage Class: nage Class: nace nany) soma Colors ns nt in | Hydrology Criter Excessively Drain Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) med Organic Streak Organic Pans Listed on Local Other (explain | ria Met? Yes No ned sively Drained Drained y Drained ined Texture sandy clay sand ing in Sandy Soils Hydric Soils List in remarks) |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 1-3" 3-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg | Wasner-Quin roup): mesic s confirm ma on Horizon | mey fine sa Typic Psa pped soil Matri 10 Y 10 Y His Sul. Aqu | type? \(\subseteq \) ix color (R 5/2) (R 4/2) tosol (-ists) tic Epipedo fidic Odor aic Moistur \(\subseteq \text{Yes} | Mottle Color - 2.5 YR 4/8 n (8-16") e Regime □No | Mottle (few, co | Abunda mmon, n | nage Class: nage Class: nace nany) soma Colors ns nt in | Hydrology Criter Excessively Drain Somewhat Exces Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) med Organic Streak Organic Pans Listed on Local Other (explain | ria Met? Yes No ned sively Drained Drained y Drained ined Texture sandy clay sand ing in Sandy Soils Hydric Soils List in remarks) |

Name: T. Dennis and M. McGraw

Sheet 2 of 22



| | holes Reservo | ır | | Date: 11/28 | /07 | | Project #: 1 | 691.01 |
|---|---|--|--|--|--|----------------|---|--|
| Applicant/Owne | | | | | | nt County, WA | | |
| Test Plot Location | on: Unit B 1 | 0 ft north of Berm 2's | wetland flag 2-2W | Sec/Town/R | ange: | S1 T18N R27E, | S36 T19N R27E, an | d S31 T19N R28E |
| | | | | | | | | |
| Do normal circu | | | | ⊠Yes | □No | | D: TP-3wet | |
| | | oed (atypical situatio | n)? | □Yes | ⊠No | | nunity ID: | - |
| Is the site a poter | itial problem | area? | | □Yes | ⊠No | Trans | ect ID: | |
| | | | | | | | | |
| | | , sapling, shrub, woo | dy vine, herb) | | | | | |
| Dominant Plant | | | | | | | | |
| | non Name | | Scientific | Name | | Strata | % Cover | Indicator Status |
| 1. hardstem bulru | sh* | Schoenop | lectus acutus | | | Herb | 80 | OBL |
| 2. | | | | | | - | | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 |
| 3. | | | | | | - | | <u>-</u> |
| 4. | - | | | | | - | | |
| 5. | - 1 1 | | | | 100 | - | | - |
| 6. | | | | | | - | | - |
| 7. | | | | 3050 | | - | | = |
| 8. | | | | | | - | | - |
| Other species pres | | | | | | | | |
| | | FACW, FACW-, FAC | | (more than 50% | 6 requi | red) | | |
| Remarks: * = dor | ninant species | s per the 50/20 rule. 1/ | 1 = 100% | | | | | |
| | | | | | 2 | | Vegetation Cri | teria Met? ⊠Yes □No |
| ****** | | | | | | | | |
| HYDROLOGY | | | 2 8 | 122 | | | | |
| Recorded data av | | | lo | Type(s): | | 220 1 100 | | |
| Is it the growing | | ☐ Yes ⊠ N | | | | Wetland F | lydrology Indicators | - |
| Is site inundated: | • | ☐ Yes ⊠ N | 10 | Primary Indi | | | Secondary Indicato | |
| Danth of ourface | | NI/A | | ☐ Inundat | | £ | | Channels < 12in. bgs |
| Depth of surface | | <u>N/A</u> | | ☐ Saturate | | ın. | Local Soil Sur | |
| Depth to free wat | | N/A | | Water M | | | Water Stained | |
| Depth to saturate | ed soils: | <u>N/A</u> | | ☐ Drift Li | | | FAC-Neutral 7 | ALTOTO I |
| | | | | Sedimen | | | Other (Explain | in remarks) |
| | | | | ☐ Drainag | | rns | ** 1 1 0 1 | |
| Remarks: The cr | | | | in wetla | inds | | Hydrology Crit | teria Met? ⊠Yes □No |
| Kemarks: The Ci | iteria were ille | i. | | | - | | | |
| SOILS: | | | | · · · · · · · · · · · · · · · · · · · | n : | OI. | | |
| | Oniney fine | | 07) | | Dran | nage Class: | | |
| (Series and Phase) | | sand 2 150/ slange (| | | | | Excessively Dr | |
| | | sand, 2-15% slopes (| 2.1 | | | | | essively Drained |
| Taxonomy (Cubo | | | | | | | Somewhat ExcWell Drained | |
| Taxonomy (Subgr | | sand, 2-15% slopes (Xeric Torripsamment | | | | | Somewhat ExcWell DrainedModerately We | ell Drained |
| | roup): mesic | Xeric Torripsamment | <u>s</u> | | | | Somewhat Exc Well Drained Moderately Well Somewhat Poo | ell Drained rly Drained |
| | roup): mesic | | <u>s</u> | | | | Somewhat Exc Well Drained Moderately Well Somewhat Poo Poorly Drained | ell Drained orly Drained d |
| Field observation | roup): <u>mesic</u> s confirm ma | Xeric Torripsamment | <u>s</u> | | | | Somewhat Exc Well Drained Moderately Well Somewhat Poo | ell Drained orly Drained d |
| Field observation | roup): <u>mesic</u> s confirm ma on | Xeric Torripsamment | <u>s</u> Yes ⊠No | Mottle | | 200 | Somewhat Exc Well Drained Moderately W Somewhat Poo Poorly Drained Very Poorly D | ell Drained rly Drained d rained |
| Field observation | roup): <u>mesic</u> s confirm ma | Xeric Torripsamment | <u>s</u> | Mottle A | Abunda | | Somewhat Exc Well Drained Moderately W Somewhat Poo Poorly Drained Very Poorly D | ell Drained rly Drained d rained <u>Texture</u> |
| Field observation Profile Description Depth (inches) | roup): <u>mesic</u> s confirm ma on | Xeric Torripsamment apped soil type? | <u>s</u> Yes ⊠No | Mottle A (few, com | Abunda | | Somewhat Exc Well Drained Moderately W Somewhat Poo Poorly Drained Very Poorly D | ell Drained rly Drained d rained Texture |
| Field observation | roup): <u>mesic</u> s confirm ma on | Xeric Torripsamment | <u>s</u> Yes ⊠No | 20,00 | Abunda | | Somewhat Exc Well Drained Moderately W Somewhat Poo Poorly Drained Very Poorly D | ell Drained rly Drained d rained <u>Texture</u> |
| Field observation Profile Description Depth (inches) | roup): <u>mesic</u> s confirm ma on | Xeric Torripsamment apped soil type? | <u>s</u> Yes ⊠No | 20,00 | Abunda | | Somewhat Exc Well Drained Moderately W Somewhat Poo Poorly Drained Very Poorly D | ell Drained rly Drained d rained Texture |
| Field observation Profile Description Depth (inches) | roup): <u>mesic</u> s confirm ma on | Xeric Torripsamment apped soil type? | <u>s</u> Yes ⊠No | 20,00 | Abunda | | Somewhat Exc Well Drained Moderately W Somewhat Poo Poorly Drained Very Poorly D | ell Drained rly Drained d rained Texture |
| Field observation Profile Description Depth (inches) 0-12" | roup): mesic s confirm ma on Horizon | Xeric Torripsamment apped soil type? Matrix color 10 YR 4/1 | <u>s</u> Yes ⊠No | (few, com | Abunda mon, m | any) | Somewhat Exc Well Drained Moderately W Somewhat Poo Poorly Drained Very Poorly D Mottle Size (fine, med, coarse | ell Drained rly Drained d rained Texture e) sand |
| Field observation Profile Description Depth (inches) | roup): mesic s confirm ma on Horizon | Xeric Torripsamment apped soil type? Matrix color 10 YR 4/1 Histosol (-ists) | S Yes ⊠No Mottle Color - | (few, com ☐ Reducing Cor | Abunda mon, m | any) | Somewhat Exc Well Drained Moderately Well Somewhat Poo Poorly Drained Very Poorly Description Mottle Size (fine, med, coarse) Organic Stream | ell Drained rly Drained d rained Texture sand aking in Sandy Soils |
| Field observation Profile Description Depth (inches) 0-12" | roup): mesic s confirm ma on Horizon | Xeric Torripsamment Apped soil type? Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo | S Yes ⊠No Mottle Color - | (few, com ☐ Reducing Cor ☐ Gleyed or Lov | Abunda mon, m - - aditions | ma Colors | Somewhat Exc Well Drained Moderately Well Somewhat Poo Poorly Drained Very Poorly Delivery Poorly Deliver | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils |
| Field observation Profile Description Depth (inches) 0-12" | roup): mesic s confirm ma on Horizon | Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor | Se Yes ⊠No Mottle Color - on (8-16") | ☐ Reducing Cor ☐ Gleyed or Lov ☐ Mn or Fe Con | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Somewhat Poo Poorly Drained Very Poorly Delivery Poorly Delivery Mottle Size (fine, med, coarse Organic Streat Organic Pans Listed on Loc | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils cal Hydric Soils List |
| Field observation Profile Description Depth (inches) 0-12" | roup): mesic s confirm ma on Horizon | Xeric Torripsamment Apped soil type? Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo | Se Yes ⊠No Mottle Color - on (8-16") | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Somewhat Poo Poorly Drained Very Poorly Delivery Poorly Deliver | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils cal Hydric Soils List |
| Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice | roup): mesic s confirm ma on Horizon - ators | Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Se Yes ⊠No Mottle Color - on (8-16") | ☐ Reducing Cor ☐ Gleyed or Lov ☐ Mn or Fe Con | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Somewhat Poo Poorly Drained Very Poorly Delivery Poorly Delivery Mottle Size (fine, med, coarse Organic Streat Organic Pans Listed on Loc | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils cal Hydric Soils List |
| Field observation Profile Description Depth (inches) 0-12" | roup): mesic s confirm ma on Horizon - ators | Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Se Yes ⊠No Mottle Color - on (8-16") | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Poorly Drained Very Poorly D Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loc Other (explain | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils it al Hydric Soils List n in remarks) |
| Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice | roup): mesic s confirm ma on Horizon - ators | Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Se Yes ⊠No Mottle Color - on (8-16") | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Poorly Drained Very Poorly D Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loc Other (explain | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils cal Hydric Soils List |
| Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit | s confirm ma Morizon Horizon ators | Xeric Torripsamment Apped soil type? Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Se Yes ⊠No Mottle Color - on (8-16") | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Poorly Drained Very Poorly D Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loc Other (explain | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils it al Hydric Soils List n in remarks) |
| Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit | s confirm ma n Horizon - ators teria were met | Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Mottle Color | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Poorly Drained Very Poorly D Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loc Other (explain | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils it al Hydric Soils List n in remarks) |
| Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg | s confirm ma n Horizon ators teria were met | Xeric Torripsamment Apped soil type? Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur ON inant? Yes | Mottle Color | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Poorly Drained Very Poorly D Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loc Other (explain | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils it al Hydric Soils List n in remarks) |
| Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg Wetland Hydrolog | s confirm ma n Horizon - ators teria were met ERMINATIO tetation Domi ogy Present? | Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur ON inant? Yes | Mottle Color Mottle Color on (8-16") c Regime □No □No | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Poorly Drained Very Poorly D Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loc Other (explain | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils it al Hydric Soils List n in remarks) |
| Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg Wetland Hydrold Hydric Soil Prese | s confirm ma n Horizon ators teria were met ERMINATIO getation Domi ogy Present? | Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur ON inant? Yes Yes | Mottle Color | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors | Somewhat Exc Well Drained Moderately Well Drained Poorly Drained Very Poorly D Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loc Other (explain | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils it al Hydric Soils List n in remarks) |
| Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg Wetland Hydrolog | s confirm ma n Horizon ators teria were met ERMINATIO getation Domi ogy Present? | Matrix color 10 YR 4/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur ON inant? Yes Yes | Mottle Color Mottle Color on (8-16") c Regime □No □No | ☐ Reducing Cor ☐ Gleyed or Lor ☐ Mn or Fe Con ☐ High Organic | Abunda mon, m | ma Colors s | Somewhat Exc Well Drained Moderately Well Drained Poorly Drained Very Poorly D Mottle Size (fine, med, coarse Organic Strea Organic Pans Listed on Loc Other (explain | ell Drained rly Drained d rained Texture e) sand aking in Sandy Soils it al Hydric Soils List n in remarks) |

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| Project Site: Potl | | ir | | | | Date: 11/ | | | | Project #: 16 | 91.01 |
|--|------------------------------------|------------------|---|--|----------|--|---------------------------------|---------------------------|------------|--|---|
| Applicant/Owne | | | | | | County/St | | | | | |
| Test Plot Location | on: Unit B 4 | 0 ft east of | Berm 2's w | etland flag 13S | | Sec/Town/ | Range: | S1 T18N I | R27E, S | 36 T19N R27E, and | S31 T19N R28E |
| | | | | | | | | | | | |
| Do normal circui | | | | | | ⊠Yes | | 0 | Plot ID: | TP-4up | |
| Is the site signific | | | cal situation | n)? | | □Yes | \square N | | Commu | nity ID: | |
| Is the site a poter | ıtial problem | area? | | | | □Yes | ⊠N | 0 | Transec | t ID: | |
| | | | | | | | | | | | |
| VEGETATION Dominant Plant S | | sapling, | shrub, wood | 50 00 00 | . | | | 6. | | | |
| Douglas rabbit | | _ | Characte | Scientific | Nam | e | | Stra | | | Indicator Status |
| | | | | mnus viscidiflorus | | | | He | | 35 | NI |
| 2. gray rabbitbrus | n" | | Chrysotha | mnus nauseosus | | | | He | | 35 | NI |
| 3. | | | | | | | | - | | | - |
| 4. | | | | | | | | - | | ļ | |
| 5. | | | | | | | | - | | <u> </u> | - |
| 6. | | | | | | | | - | | | - |
| 7. | - Sales | | | | | | | - | | | - |
| 8. | | | | 5 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1 | | | | _ | | | - |
| Other species pres % of dominant sp Remarks: * = dom | pecies OBL, I | FACW, F | ACW-, FAC | | | (more than 50 |)% requ | ired) | | Vegetation Crite | eria Met? □Yes ⊠No |
| HYDROLOGY Recorded data av Is it the growing: Is site inundated? Depth of surface Depth to free wat Depth to saturate Remarks: The crit | water: er in pit: d soils: | N/A N/A N/A met. | es 🖾 N es 🖾 N | 0 | | ☐ Water ☐ Drift I ☐ Sedim ☐ Drains | ated ited < 12 Marks | in. | | Local Soil Surv Water Stained I FAC-Neutral T Other (Explain | Channels < 12in. bgs ey Data Leaves est |
| SOILS: | | | | | | | Dro | inage Clas | . Г | Excessively Dra | inad |
| Map Unit Name: (Series and Phase) Taxonomy (Subgr | | | | lopes (176) | | | Dia | mage Clas | <u>.</u> [| Somewhat Exce | ssively Drained |
| raxonomy (Suogi | oup). <u>mesie</u> | Typic i sa | minaquents | | | | | | - | Somewhat Poor | |
| Field observation | s confirm ma | nned soil | type? | es ⊠No | | | | | × | | ., Dramea |
| Tiela observation | | pped son | турет 🗀 . | . 60 23.10 | | | | | Ë | Very Poorly Dr | ained |
| Profile Description | n | | | | | | | | | | |
| Depth (inches) | Horizon | Matr | ix color | Mottle Color | | Mottle | Abund | ance | | Mottle Size | Texture |
| | | | | | | | mmon, i | | | (fine, med, coarse) | |
| 0-12" | - | 10 Y | /R 4/3 | | | | - | | | - | sand |
| | | | | | | | | | | | |
| | | | | | | id. | | *** | | | |
| | | | | | | | 10 g 10 g | | | | |
| Hydric Soil Indica | ators | ☐ His | tosol (-ists) tic Epipedo fidic Odor uic Moistur | 7-10-10 V | | Reducing C Gleyed or L Mn or Fe C High Organ Layer of Sa | ow Chro oncretio ic Conte | oma Color ns ent in | s [| Organic Pans | king in Sandy Soils Il Hydric Soils List in remarks) |
| Remarks: The crit | eria were not | met. | | | | | | | | Soils Crite | eria Met? ∐Yes ⊠No |
| WETLAND DET Hydrophytic Veg Wetland Hydrolo Hydric Soil Prese Remarks: The we | etation Domi gy Present? nt? | nant? | □Yes □Yes □Yes | ⊠No ⊠No ⊠No | | | | Ic test | nlot wit | thin a wetland? | □Yes ⊠No |

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| Project Site: Pot | holes Reservo | ir | | | | Date: 11/28 | /07 | · · · · · · | | Project #: | 1691.01 | | |
|------------------------------------|--|--|---------------|--------------------|--------|--|------|-------------|----------------|--|-----------|-----------------------------|---|
| Applicant/Owne | | | whom | | 20000 | County/State | e: | Grant C | County, WA | | | | |
| Test Plot Location | on: Unit B 2 | 0 ft east o | f Berm 3a's | wetland flag IE | | Sec/Town/R | ang | e: S1 | T18N R27E, | S36 T19N R27E, a | nd S31 | T19N R28F | 3 |
| | | | | | | | | | | | | | |
| Do normal circu | mstances exis | it at the si | te? | | | ⊠Yes | | No | Plot I | D: TP-5up | * | | |
| Is the site signific | cantly disturb | oed (atypi | cal situatio | n)? | | □Yes | | No | | nunity ID: | | | |
| Is the site a poter | ntial problem | area? | | | | □Yes | | No | | sect ID: | | | |
| | | | | | | • | _ | - | | | | | 39000 |
| VEGETATION | | sapling, | shrub, woo | dy vine, herb) | 1110 | | | | | | | | |
| Dominant Plant | | | | | | | | | | | | | |
| | non Name | | | Scientific | Name | e | | | Strata | % Cover | Indica | ator Status | j |
| Douglas rabbit | | | Chrysotha | mnus viscidiflorus | | 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | Herb | 20 | | NI | |
| gray rabbitbrus | | | Chrysotha | mnus nauseosus | | | | | Herb | 20 | | NI | |
| tumble mustare | d* | | Sisymbriu | m altissimum | | | | | Herb | 30 | | FACU- | |
| Bailey's buckw | heat | | Eriogonur | n baileyi | | | | | Herb | 15 | | NI | |
| antelope bittert | orush | | Purshia tr | identata | | | | | Herb | 15 | | NI | |
| 6. | | | | | | 37134 | | | _ | | | - | |
| 7. | | | | 5 1490 1900 1910 | | | | | - | | | - | |
| 8. | (S. 10 MAY - | | | | | | | | | | | | |
| Other species pres | ent: | | | | | | | | | | L | | |
| % of dominant sp | pecies OBL, I | FACW, F. | ACW-, FAC | C+, FAC 0% | (| more than 50% | 6 re | eanired |) | | | | |
| Remarks: * = dor | | | | | 88 | | | | , | | | | |
| p.3 | ACTION TO THE STATE OF THE STAT | | | | | | | | | Vegetation Cr | iteria N | 1et? □Ve | s 🖾 No |
| | | | | | | | | | | | | | |
| HYDROLOGY | | | | | | | | 11.70 | | | | | |
| Recorded data av | vailable? | \boxtimes Y | es 🗆 N | lo | | Type(s): | | K. | | | | | |
| Is it the growing | | \square Y | es 🖾 N | lo | | J1 (-) | | | Wetland H | lydrology Indicato | rs | | |
| Is site inundated? | | □ Y | | | | Primary Ind | icat | tors | | Secondary Indicat | | equired) | |
| | | | | | | ☐ Inundat | | | | Oxidized Roo | | | . bgs |
| Depth of surface | water: | N/A | | | | ☐ Saturate | ed < | < 12 in. | | Local Soil Su | | | |
| Depth to free wat | ter in pit: | N/A | | | | ☐ Water M | Iar | ks | | ☐ Water Staine | | | |
| Depth to saturate | ed soils: | N/A | | | | Drift Li | nes | | | FAC-Neutral | Test | | |
| | | | | | | ☐ Sedimen | t D | eposits | | Other (Explai | in in rer | narks) | |
| | | | | | | Drainag | | | | SEASON CONTROL | | in the second second second | |
| | | | | | | in wetla | | | | Hydrology Cr | iteria M | let? □Ye | s 🖾 No |
| Remarks: The cri | iteria were not | t met, | | | | | | 270 | | | | | 31075033 |
| | | | | | | | | | | | | | |
| SOILS: | | | | | | | I |)rainag | e Class: | ☐ Excessively D | rained | | |
| Map Unit Name: | Quincy fine | sands, 0-5 | % slopes (9 | 97) | | | | | | Somewhat Ex | cessivel | y Drained | |
| (Series and Phase) | | | | | | | | | | ☐ Well Drained | | | |
| Taxonomy (Subgr | roup): mesic | Xeric Tor | ripsamment: | <u>S</u> | | | | | | ☐ Moderately V | Vell Dra | ined | |
| | | | | | | | | | | ☐ Somewhat Po | orly Dra | ained | |
| Field observation | s confirm ma | pped soil | type? | ∕es □No | | | | | | ☐ Poorly Draine | ed | | |
| | | | | | | | | | | ☐ Very Poorly I | Orained | | |
| Profile Description | | | | | | | | | | | | | |
| Depth (inches) | <u>Horizon</u> | Matr | ix color | Mottle Color | | Mottle A | bu | ındance | | Mottle Size | | Textu | re |
| | | | | | | (few, com | mo | n, man | y) | (fine, med, coars | se) | | |
| 0-12" | | 10 Y | /R 3/3 | | | | - | | **** | - | | sand | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 100000000000000000000000000000000000000 |
| | | | W | | | | | | | | | - 00 | |
| Hydric Soil Indic | ators | ☐ His | tosol (-ists) | | | Reducing Cor | idit | ions | | Organic Stre | eaking i | n Sandy Se | oils |
| | | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | tic Epipedo | n (8-16") | \Box | Gleyed or Lov | | | Colors | Organic Pan | | Marketin States V. Herri | (Sept.Com) |
| | | | fidic Odor | (0 10) | Ħ | Mn or Fe Con | | | 00.0.0 | Listed on Lo | | lric Soils I | ist |
| | | | uic Moistur | e Regime | Ī | High Organic | | | n | Other (expla | | | |
| | | | | | | Layer of Sano | | | en complete | (vp. | | , | |
| Remarks: The crit | teria were not | met. | | | | | ., | | | | | | |
| | | | | | | | | | | Soils Cr | iteria N | 1et? □Y | es 🖾 No |
| | | | 10. | | | 10.1 | | | 1-2 | 200 C1 | | | |
| WETLAND DET | ERMINATIO | ON | | | | | | | | | | | |
| Hydrophytic Veg | | | □Yes | ⊠No | | | | | | | | | |
| Wetland Hydrolo | | | □Yes | ⊠No | | | | | | | | | |
| Hydric Soil Prese | | | □Yes | ⊠No | | | | | | | | | |
| Remarks: The wet | | vere not m | | Z3110 | | | | | | | | | |
| | | o .ioc iii | | | | | | | Is test plot v | within a wetland? | Г | ∃Yes | ⊠No |
| | | | | | | | | | | | | | |

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| Project Site: Potholes Reser | voir | | | | Date: 11/28 | /07 | | | Project #: | 1691.01 | | |
|--|------------------------------------|--|--|--------|---|--|---------------------------|--------------|---|---|------------------|-----------|
| Applicant/Owner: WDFW | | | | | County/State | | | | | | and the second | |
| Test Plot Location: Unit E | 3 20 ft west of | Berm 3a w | etland flag IE | | Sec/Town/R: | ange: | S1 T18N | N R27E, S | 36 T19N R27E, ar | nd S31 T19 | N R28E | |
| D | | | | | I 57 | | | | | | | |
| Do normal circumstances e Is the site significantly dist | | | -)2 | | ⊠Yes | | | | TP-6wet | | | |
| Is the site a potential probl | | ai situatioi | 1)? | | Yes | N. | | | nity ID: | | | |
| is the site a potential probl | ciii ai ca: | | | - | □Yes | | NO] | Transec | et ID: | | | |
| VEGETATION (Strata: tr Dominant Plant Species Common Name | ee, sapling, sl | nrub, wood | ly vine, herb) Scientific | Nom | | <u> </u> | ę, | | 9/ Cours | T., J., | | |
| hardstem bulrush* | Т | Schoenoni | ectus acutus | Nam | С | | | rata lerb | % Cover 100 | Indicator | OBL | |
| 2. | | веноснорі | cerus deurus | | | | 1 | - | 100 | | - | |
| 3. | | | | 100 | | | | - | <u> </u> | | | |
| 4. | | * 3 100000 | | | | | | - | | | • | |
| 5. | | | | 73911- | | | | - | | | | |
| 6. | | | | | | | | - | | | - | |
| 7. | | | | | | - 0.0 | | - | | | - | |
| 8. | | | | | | | | - | | | - | |
| Other species present: % of dominant species OBI Remarks: * = dominant species | | | | | (more than 50% | 6 req | uired) | | Vegetation Cri | iteria Met | ? ⊠Yes | s □No |
| HYDROLOGY Recorded data available? Is it the growing season? Is site inundated? Depth of surface water: Depth to free water in pit: Depth to saturated soils: Remarks: The criteria were | ⊠ Yes □ Yes □ Yes N/A N/A N/A N/A | s 🗵 N | 0 | · · | Type(s): Primary Indi Inundate Saturate Water M Drift Lin Sedimen Drainag in wetla | ed d < 1 larks ies t Dep e Patt | 2 in. | | Water Stained | ors (2 requ t Channels vey Data I Leaves Test n in remar | < 12in. | |
| | | | | | | | 0.280 | | | | | |
| SOILS: Map Unit Name: Quincy fi (Series and Phase) Taxonomy (Subgroup): me: Field observations confirm Profile Description | sic Xeric Torri | psamments | 3 | | | <u>Dra</u> | ainage Cla | ass: | Well Drained Moderately W | cessively D cell Draine orly Drain d | d | |
| Depth (inches) Horizon | Matrix | color | Mottle Color | | Mottle A | | | T | Mottle Size | | Textur | <u>·e</u> |
| 0-12" - | 10 YI | 2 1/1 | • | | (few, com | | many) | | (fine, med, coars | e) | 20-1 | |
| 0-12 - | 10 11 | X 4/ I | | | | • | | - + | | | sand | |
| | - | | | | 1 1 2 (000) | | | | | | | |
| | | | | | | | | | | | | |
| Hydric Soil Indicators Remarks: The criteria were n | ☐ Histi ☐ Sulfi ☐ Aqui | osol (-ists) c Epipedo dic Odor c Moistur | 00000000000000000000000000000000000000 | | Reducing Con Gleyed or Lov Mn or Fe Con High Organic Layer of Sand | v Chr cretic Cont | oma Colo ons ent in | ors | Organic Stre Organic Pan: Listed on Loo Other (explai | s cal Hydric in in rema | Soils Li rks) | ist |
| | | | | | | | | | Soils Cri | iteria Met | ∴ ∠Ye | s∐No |
| WETLAND DETERMINA' Hydrophytic Vegetation Do Wetland Hydrology Presen Hydric Soil Present? Remarks: The wetland criter | minant? | ⊠Yes ⊠Yes ⊠Yes | □No □No □No | | , , , , , , , , , , , , , , , , , , , | | Is te: | st plot wi | thin a wetland? | ⊠v | es | □No |

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| Project Site: Pot | | ir | | | Date: 11/28 | /07 | | | Project #: 169 | 91.01 |
|--------------------------------------|------------------|--------------------------|--------------------|------|---------------|----------|------------|-------------|---------------------|---|
| Applicant/Owne | | | | | County/State | : Gra | nt County. | , WA | | |
| Test Plot Location | on: Unit B ir | vicinity of Berm 4 | | | Sec/Town/Ra | inge: | S1 T18N | R27E, S3 | 6 T19N R27E, and | S31 T19N R28E |
| | | | | | | | | | | F4 |
| Do normal circu | | | | | ⊠Yes | □N | 0 | Plot ID: | TP-7Aup | |
| Is the site signific | cantly disturb | oed (atypical situation | n)? | | □Yes | ⊠N | | | nity ID: | |
| Is the site a poter | ntial problem | area? | | | □Yes | ⊠N | | Transec | | |
| | | | | | | | | | | |
| VEGETATION | (Strata: tree. | , sapling, shrub, wood | dy vine, herb) | | | | | | | |
| Dominant Plant | Species | | | | | | | | | |
| Comm | non Name | | Scientific | Name | | | Str | ata | % Cover I | ndicator Status |
| I | | | | | | | - | 4 | | <u> </u> |
| 2. | | | | | | | | | | - |
| 3. | | | | | | | - | | | = |
| 4. | | | | | | | - | | | - |
| 5. | | | | | | | - | 8 | | - |
| 6. | | | | | | | - | | | - |
| 7. | | | | | | | - | | | - |
| 8. | | | 177 | | | | - | | | • |
| Other species pres | | | | | | | | | | |
| | | FACW, FACW-, FAC | C+, FAC <u>- %</u> | (| more than 50% | requi | ired) | | | |
| Remarks: No veg | getation to asso | ess vegetation criteria. | | | | | | | | |
| | | | | | | | | | Vegetation Crite | ria Met? □Yes ⊠No |
| THE POLOCE | | | | | | | | | | |
| HYDROLOGY | | | ř. | | | | | | | |
| Recorded data as | | ⊠ Yes □ N | | | Type(s): | | 332 | | | |
| Is it the growing Is site inundated: | | ☐ Yes ☒ N ☐ Yes ☒ N | | | D | | | | rology Indicators | |
| 18 Site illulidated | • | ☐ 162 ☐ N | 0 | | Primary Indi | | | 26 | condary Indicator | Shannels < 12in. bgs |
| Depth of surface | water. | N/A | | | Saturate | | in | | | |
| Depth to free was | | N/A | | | ☐ Water N | | 111. | | Water Stained L | |
| Depth to saturate | | N/A | | | Drift Lin | | | | | |
| Depth to butturate | 00101 | 11111 | | | Sedimen | | sits | — | Other (Explain i | (7.0) |
| | | | | | Drainag | | | | other (Explain) | a remarks) |
| | | | | | in wetla | | | | Hydrology Crite | ria Met? □Yes ⊠No |
| Remarks: The cr | iteria were no | t met. | | | | | | | nijarologj citte | |
| | -10 | | | | | | | | 370.0 is | |
| SOILS: | | | | | | Drai | nage Clas | s: | Excessively Drai | ned |
| Map Unit Name: | Wasner-Qui | ncy fine sands, 0-5% s | slopes (176) | | | | | | Somewhat Exces | |
| (Series and Phase) | | | | | | | | | Well Drained | |
| Taxonomy (Subgr | roup): mesic | Typic Psammaquents | | | | | | | Moderately Wel | l Drained |
| | | | | | | | | | Somewhat Poorl | y Drained |
| Field observation | is confirm ma | apped soil type? 🔲 🤉 | Yes ⊠No | | | | | \boxtimes | Poorly Drained | 77 |
| | | | | | | | | | Very Poorly Dra | ined |
| Profile Description | | | | | | | | | 200 | |
| Depth (inches) | <u>Horizon</u> | Matrix color | Mottle Color | | Mottle A | bunda | ance | | Mottle Size | <u>Texture</u> |
| | | | | | (few, com | mon, n | nany) | | (fine, med, coarse) | |
| 0-4" | | 10 YR 3/3 | • | | | | | | - | sand |
| 4-6" | | 10 YR 4/2 | - | | 1.00 | ÷ | | | | sandy clay |
| 7-12" | | 10 YR 3/3 | • | | | - | | | - | sand |
| | | | 200 | | | - OFFICE | | | | |
| Hydric Soil Indic | ators | ☐ Histosol (-ists) | | | Reducing Con | dition. | S | | Organic Streak | ing in Sandy Soils |
| | | ☐ Histic Epipedo | n (8-16") | | Gleyed or Lov | v Chro | ma Color | s [| Organic Pans | |
| | | ☐ Sulfidic Odor | | | Mn or Fe Con | | | | | l Hydric Soils List |
| | | Aquic Moistur | e Regime | | High Organic | Conte | nt in | | Other (explain | in remarks) |
| | | | | | Layer of Sand | ly Soils | s | | | |
| Remarks: The cri | teria were not | met. | | | | | | | | |
| | | | | | | | | | Soils Crite | ria Met? □Yes ⊠No |
| | | | | | | | | 10.000 | | |
| WETLAND DET | | | | | | | | | | |
| Hydrophytic Veg | getation Domi | inant? | \boxtimes No | | | | | | | |
| Wetland Hydrolo | | □Yes | \boxtimes No | | | | | | | |
| Hydric Soil Prese | | □Yes | \boxtimes No | | | | | | | |
| Remarks: The we | tland criteria | were not met. | | | | | | | | 000 00 00 00 00 00 00 00 00 00 00 00 00 |
| | | | | | | | Is test | plot wit | hin a wetland? | □Yes ⊠No |

Name: T. Dennis and M. McGraw

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| Project Site: Poth | | r | | | | Date: 11/2 | | | Project #: | 1691.0 | 1 | |
|--------------------------------------|--|---------------|--|----------------------------------|--------|---------------|-----------------|---------------------|--|-----------|--------------------|-------|
| Applicant/Owner | | | | | | | | nt County, WA | | | | |
| Test Plot Location | n: Unit B 40 | ft southwe | st Berm 5 | wetland flag 5-10 | | Sec/Town/R | ange: | S1 T18N R271 | E, S36 T19N R27E, a | nd S31 | T19N R28E | |
| | | | | | | | | | | | | |
| Do normal circun | | | | | | ⊠Yes | □No | | ID: TP-7Bup | | | |
| Is the site signific | | | l situation |)? | | □Yes | ⊠N ₀ | | nmunity ID: | | | |
| Is the site a poten | tial problem | area? | | | | □Yes | ⊠No | Tra | nsect ID: | - 12 | | |
| | | | | Constitution of the Constitution | | | | | | | | |
| VEGETATION | | sapling, sh | rub, wood | y vine, herb) | | | | | | | | |
| Dominant Plant S | | | | e i i i i i | ., | 20 | | C++- | % Cover | Y | | |
| 1. small tumblewe | ion Name | | Sisymbriun | Scientific | Name | | | Strata Herb | 30 | mai | cator Status NI | |
| Small tumblework Bailey's buckw | | | Sisymbriui Eriogonun | | | | | Herb | 15 | | NI | - |
| gray rabbitbrus | | | | nnus nauseosus | | | | Herb | 10 | | NI | |
| Gray rabbits Douglas rabbits | | | - | nnus viscidiflorus | | | 77 185.0 | Herb | 10 | | NI | |
| 5. tumble mustard | | | | n altissimum | | | | Herb | 10 | | FACU- | |
| 6. | 1 | | Sisymor iui | и шизытит | | | | - | 10 | | - | |
| 7. | | | | | _ | | | | | | | |
| 8. | | | | | | | | _ | | | - | 1000 |
| Other species pres | ent: Baregroui | nd at 25% | | | | | | | | No. | | |
| % of dominant sp Remarks: * = dom | pecies OBL, F | ACW, FA | | | (| more than 50° | % requi | red) | | | | S. |
| | | | | | | | | | Vegetation Cr | iteria | Met? Yes | ⊠N0 |
| | | | | | V - 37 | 1770 | | | | | | |
| HYDROLOGY | | ⊠ v | | | | T(-). | | | | | | |
| Recorded data av | | | | | | Type(s): | | Watland | Hydrology Indicato | re | | l |
| Is site inundated? | | ☐ Yes | | | | Primary Inc | licators | victianu | Secondary Indicate | | required) | |
| is site inunuated. | • | ☐ IC3 | , 6, 1, | O . | | Inunda | | | | | nnels < 12in. b | gs |
| Depth of surface | water: | N/A | | | | Saturat | ed < 12 | in. | ■ Local Soil Su | | | |
| Depth to free wat | | N/A | | | | ☐ Water | Marks | | ☐ Water Staine | | | l |
| Depth to saturate | | N/A | | | | ☐ Drift L | ines | | ☐ FAC-Neutral | | | |
| | | | | | | | nt Depo | | Other (Expla | in in r | emarks) | |
| | | | | | | | ge Patte | rns | | | N | NA. |
| | | | | | | in wet | ands | | Hydrology Cr | iteria | Met? ☐Yes | MINO |
| Remarks: The cri | teria were not | met. | | | | | | | | | | |
| | | | | | 28 | | D! | Classi | Excessively D | maina | d | |
| SOILS: | Wasner Oui | navi fina aan | do 0.50/ o | lones (176) | | | Drai | nage Class: | Somewhat Ex | | | |
| Map Unit Name: (Series and Phase) | | ncy mic san | ius, 0-370 s | topes (170) | | | | | ☐ Well Drained | | cij Diameu | |
| Taxonomy (Subgi | | Typic Pear | amaquente | | | | | | Moderately V | | rained | |
| Taxonomy (Subg | ioup). <u>inteste</u> | Typic I san | maquents | | | | | | Somewhat Po | | | |
| Field observation | s confirm ma | nned soil t | vne? | es ⊠No | | | | | Poorly Drain | | | |
| Lield Observation | commin ma | Phon son r | , p | | | | | | ☐ Very Poorly 1 | | ed | ĵ |
| Profile Description | on | | | | | | | NO. CONT. NO. CONT. | | | | |
| Depth (inches) | Horizon | Matrix | color | Mottle Color | | Mottle | Abunda | ince | Mottle Size | | Texture | . 7 |
| | | | | | | (few, cor | | | (fine, med, coar | se) | | |
| 0-12" | | 10 YF | R 3/3 | - | | | | | - | | sand | |
| | 2000 | | | 1000 | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | - | | | | | |
| Hydric Soil Indic | ators | ☐ Histo | osol (-ists) | | | Reducing Co | | | | | g in Sandy Soil | s |
| | | | ic Epipedo | n (8-16") | | Gleyed or Le | | | Organic Par | 18 | | |
| | | | dic Odor | | 닏 | Mn or Fe Co | | | | | ydric Soils Lis | t |
| | | Aqui | ic Moistur | e Regime | Ш | High Organi | | | Other (expla | ain in | remarks) | |
| | graces to see the graces and the graces and the graces are a second or the graces and the graces are a second or the graces are | | | | | Layer of San | idy Soil: | S | | | | |
| Remarks: The cri | teria were not | met. | | | | | | | Soils C | riteria | Met? □Yes | No. |
| L | | | | | | | | | Sons C | . Itel la | LICS | KALIU |
| WETLAND DET | PEDMINIATI | ON | | | | | | | No. 10 The Control of | | | |
| WETLAND DET Hydrophytic Veg | | | □Yes | ⊠No | | | | | | | | |
| | 58 | inant; | □Yes | ⊠No | | | | | | | | 1 |
| Wetland Hydrole Hydric Soil Pres | | | ☐Yes | ⊠No | | | | | | | | 1 |
| Remarks: The we | | were not me | (Carrier of the Carr | 21.10 | | | | | | | | |
| Acmarks. The We | Junio Distorità | | | | | | | Is test plo | ot within a wetland? | | □Yes | ⊠No |

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| Project Site: Poth | oles Reservoir | | 500 MWW. | 40 | | Date: 11/28/ | | | | Project #: 10 | 91.01 | |
|--|--|--------------------------|---|-------------------------------|-----------------|---|---|-------------------------|--------------------|---|---|--------------|
| Applicant/Owner | : WDFW | | | | | County/State | | | | | | |
| Test Plot Locatio | n: Unit B 20 | ft northe | ast of Berm : | wetland flag 5-11 | | Sec/Town/Ra | nge: | SI T18N | 1 R27E, S | 36 T19N R27E, and | I S31 T19N R28E | į |
| | | | | | | | | | | | | |
| Do normal circum | nstances exist | at the si | te? | | | ⊠Yes | | | Plot ID: | TP-8wet | | |
| Is the site signific | antly disturb | ed (atypi | cal situation |)? | | □Yes | ⊠N | | Commu | nity ID: | | |
| Is the site a poten | tial problem | area? | | | | □Yes | ⊠N |) | Transec | t ID: | | |
| | 020.0000 | | 10 | | | | | | | | | |
| VEGETATION (Dominant Plant S Comm | | sapling, | shrub, wood | y vine, herb) Scientific l | Name | e | | St | rata | % Cover | Indicator Status | |
| 1. cattail* | | | Typha latif | olia | | | | I | lerb | 50 | OBL | |
| hardstem bulrus | sh* | | | ectus acutus | | 11000 H | | F | lerb | 30 | OBL | |
| 3. sedge sp. | | | Carex sp. | | | | | | lerb | 20 | - | |
| 4. | | | our our op. | | - 1000-0400-000 | | | | - | † | _ | |
| 5. | | | | * *** | | | | | _ | | | |
| 6. | | | | W | | | | | _ | | | |
| 7. | | | | | | | | | | | - | |
| 8. | | | | | | Section 1 | - | | - | | | |
| Other species prese | ont | | | | | | 700 | | | L | | |
| % of dominant sp Remarks: * = don | oecies OBL, F | | | | | (more than 50% | requi | ired) | | Vegetation Cri | eria Met? 🛚 Ye | es □No |
| HYDROLOGY Recorded data av Is it the growing s Is site inundated? Depth of surface Depth to free wat Depth to saturate Remarks: The crit | season? e water: ter in pit: ed soils: | □ Y N/A N/A N/A | es ⊠ N es ⊠ N | 0 | | Type(s): Primary Indi Inundate Saturate Water M Drift Lir Sedimen Drainag in wetla | ed d < 12 Iarks ies t Depo e Patte | in. | <u>s</u> □ □ | Local Soil Sur Water Stained FAC-Neutral T Other (Explair | rs (2 required) Channels < 12in vey Data Leaves est | |
| | | | | | | | | | | | | |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | roup): mesic | Typic Ps | ammaquents | | | | <u>Dra</u> | inage Cl | | Excessively Dr Somewhat Exc Well Drained Moderately W Somewhat Poo Poorly Drained Very Poorly D | essively Drained ell Drained rly Drained I | |
| Profile Description | 1.17 | Mot | riv color | Mottle Color | T - | Mottle A | hund | ance | - Т | Mottle Size | Textu | ire |
| Depth (inches) | <u>Horizon</u> | <u>iviati</u> | rix color | Madeire Color | | (few, com | | | 1 | (fine, med, coarse | | - |
| 0-12" | - | 10 | YR 3/1 | | | (, -51) | | | | - | sand | d |
| 0.12 | | 10 | | | 1 | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | 1 | | | - | | | | arrant south |
| Hydric Soil Indic | | ☐ Hi ☐ Su ☐ Aq | stosol (-ists) stic Epipedo lfidic Odor juic Moistur | tiet to | | Mn or Fe Cor | w Chr cretio Conte | oma Col ns ent in | | Organic Pans | al Hydric Soils I | |
| Remarks: The cri | teria were met | | | | | | | | | Soils Cri | teria Met? 🛛 Y | 'es □No |
| WETLAND DET Hydrophytic Veg Wetland Hydrold Hydric Soil Preso Remarks: The w | getation Domi ogy Present? ent? | nant? | ⊠Yes ⊠Yes ⊠Yes | □No □No □No | | | | Is t | est plot w | ithin a wetland? | ⊠Yes | □No |

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| Project Site: Poth | | r | | | | _ | te: 11/28 | | | | | Project #: | 1691.0 | 01 |
|--|---|-------------|---|---|------|------------------|---|--|------------------------|-----------|-----------------------|--|---|---|
| Applicant/Owner | | | | | | | unty/Stat | | | | | | | |
| Test Plot Locatio | n: Unit B ea | st of Pond | Bld and Be | rm 9 | | Sec | c/Town/R | ange: | S1 T181 | N R27E, | S36 T | 19N R27E, ai | nd S3 | I T19N R28E |
| | | | 1000 | | | | | T | | | | | | |
| Do normal circun | | | | | | | Yes | □No | | Plot II | | | | |
| Is the site signific | | | al situation |)? | | | Yes | ⊠No | | Comm | | | | |
| Is the site a poten | tial problem | area? | | | | | Yes | ⊠No |) | Trans | ect ID | <u></u> | | VIII |
| | | | | | | | | | | | | | | |
| VEGETATION (Dominant Plant S | pecies | sapling, s | hrub, wood | 70 10 10 10 10 10 10 10 10 10 10 10 10 10 | | | | | | 2 1 | | W C | | . C. |
| | on Name | — т | | Scientific 1 | Name | <u>e</u> | | | | trata | -1 | % Cover | Inai | cator Status |
| Douglas rabbith | | | | nnus viscidiflorus | | | | | | Herb | - | 20 | | NI |
| 2. gray rabbitbrus | | | | nnus nauseosus | | | | | | Herb | | 20 | | NI |
| tumble mustard | * | | Sisymbriun | n altissimum | | - 91 | | | I | Herb | _ | 20 | - | FACU- |
| 4. | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | - | | | | |
| 6. | | | | | | | | | | - | | | | - |
| 7. | | | | | | | | | | - | | | | - |
| 8. | | | | | | | | | | 12 | | | | 747 |
| Other species prese | ent: Baregroui | nd at 40% |). | | | | | | | -1183 | | | | 200 - |
| % of dominant sp <u>Remarks</u> : * = don | ecies OBL, F | FACW, FA | ACW-, FAC | | (| (more | e than 50° | % requi | ired) | | V | egetation Cr | iteria | Met? □Yes ⊠No |
| HYDROLOGY Recorded data av Is it the growing s Is site inundated? Depth of surface Depth to free wat Depth to saturate Remarks: The cri | season? water: er in pit: d soils: | | es 🖾 N es 🖾 N | 0 | | | pe(s): imary Ind Inundat Saturat Water I Drift Li Sedimer Drainag in wetl | ted ed < 12 Marks nes nt Depo ge Patte | in. esits | | Secon C D D D F D D H | ocal Soil Su Vater Staine AC-Neutral Other (Explai | tors (2 ot Cha rvey I d Lea Test in in r | nnels < 12in. bgs Data ves emarks) Met? □Yes ⊠No |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | roup): mesic | Typic Psa | mmaquents | | | | | <u>Drai</u> | inage C | lass: | | Excessively D comewhat Ex Vell Drained Aoderately V comewhat Po Poorly Drain Very Poorly I | cessiv Vell D orly I ed | vely Drained trained Drained |
| Profile Description | Horizon | Mate | ix color | Mottle Color | | - | Mottle | Ahund | ance | | | Mottle Size | \neg | <u>Texture</u> |
| Depth (inches) | TIVITZUII | Mad | in color | Motte Color | | | (few, cor | AND DEVICE VALUE OF THE RESERVE OF T | | | | e, med, coar | se) | |
| 0-12" | - | 10.3 | 7R 3/2 | , | | | (, 601 | - | | | T | - | -/ | sand |
| 0-12 | - | 10 | | | t | | | | ¥ | | | | | |
| | | | | | | | | | | | | | | |
| | 3-3 <u>11</u> 3 | | | | 1 | | | - | | | | | -+ | |
| Hydric Soil Indic | | ☐ His ☐ Sul | tosol (-ists) tic Epipedo fidic Odor uic Moistur | | | Gle Mn Hig | ducing Co eyed or Lo or Fe Co gh Organi yer of Sar | ow Chro ncretio c Conte | oma Co ns ent in | lors | | Organic Par | ns ocal H | g in Sandy Soils (ydric Soils List remarks) |
| Remarks: The crit | teria were not | met. | | | | | | | | | | Soils C | riteria | a Met? □Yes ⊠No |
| WETLAND DET Hydrophytic Veg Wetland Hydrold Hydric Soil Preso Remarks: The we | etation Domi ogy Present? ent? | inant? | □Yes □Yes □Yes net. | ⊠No ⊠No ⊠No | | | | | Ie (| test plat | withir | a welland? | | □Ves ⊠No |

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| | holes Reservoir | | | Date: 11/28 | /07 | | Project #: 1691 | .01 |
|--|---|--|--|---|---|----------|---|---|
| Applicant/Owne | | | | County/State | e: Grant Co | unty, WA | | |
| Test Plot Location | on: Unit B sou | th of Pond B1d and | Berm 9 | Sec/Town/Ra | ange: SITI | 8N R27E, | S36 T19N R27E, and S3 | 31 T19N R28E |
| | | | | | | | | |
| Do normal circui | mstances exist | at the site? | | ⊠Yes | □No | Plot ID | : TP-10wet | |
| | | ed (atypical situation | n)? | □Yes | ⊠No | Comm | unity ID: | |
| Is the site a poter | ntial problem a | area? | 1 | □Yes | ⊠No | Transe | ect ID: | |
| | | | | | | | | |
| | | sapling, shrub, wood | dy vine, herb) | | | | | |
| Dominant Plant | | | | | | | | |
| | non Name | | Scientific N | Name | | Strata | | dicator Status |
| hardstem bulru | ısh* | Schoenopl | ectus acutus | | | Herb | 100 | OBL |
| 2. | | | | | | - | | - |
| 3. | | | | | | - | | |
| 4. | | | | | | - | | - |
| 5. | | | | | | - | | - |
| 6. | | | | | | • | | |
| 7. | | | | | | - | | - |
| 8. | | | | | | - | | - |
| Other species pres | sent: | | | | | 11.5 | | |
| % of dominant s | pecies OBL, Fa | ACW, FACW-, FAC | C+, FAC 100% | (more than 50% | 6 required) | | | |
| Remarks: * = dor | minant species | per the 50/20 rule. 1/ | 1 = 100% | | | | | |
| | E | | 45 | | | | Vegetation Criteri | a Met? ⊠Yes □No |
| | | | ., | | | | | |
| HYDROLOGY | | | | | | | | |
| Recorded data av | vailable? | | lo | Type(s): | - | | | |
| Is it the growing | season? | ☐ Yes ⊠ N | lo | | 2 | | ydrology Indicators | |
| Is site inundated: | ? | ☐ Yes ⊠ N | lo | Primary Ind | | | Secondary Indicators | |
| | | | | ☐ Inundat | | | Oxidized Root Ch | |
| Depth of surface | | N/A | | | ed < 12 in. | | Local Soil Survey | |
| Depth to free war | | <u>N/A</u> | | ☐ Water N | | | Water Stained Le | September 1 |
| Depth to saturate | ed soils: | N/A | | Drift Li | | | FAC-Neutral Test | * LONG W |
| | | | | | t Deposits | | Other (Explain in | remarks) |
| | | | | | e Patterns | | | 74 10 MY |
| Accessors. | | | | in wetla | ands | | Hydrology Criteri | a Met? ⊠Yes □No |
| l | \$ | | | | | | | |
| Remarks: The cr | iteria were met. | | | | | | | |
| | iteria were met. | | | | | | | • |
| SOILS: | | | | | Drainage | | Excessively Drain | |
| SOILS: Map Unit Name: | Wasner-Quin | cy fine sands, 0-5% s | slopes (176) | | Drainage | | ☐ Somewhat Excess | |
| SOILS: Map Unit Name: (Series and Phase) | Wasner-Quin | cy fine sands, 0-5% s | | | Drainage | | Somewhat Excess Well Drained | ively Drained |
| SOILS: Map Unit Name: (Series and Phase) | Wasner-Quin | | | | Drainage | | Somewhat Excess Well Drained Moderately Well | ively Drained Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg | Wasner-Quin) roup): mesic 1 | cy fine sands, 0-5% s | _ | | Drainage | 50000 | Somewhat Excess Well Drained Moderately Well Somewhat Poorly | ively Drained Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg | Wasner-Quin) roup): mesic 1 | cy fine sands, 0-5% s | _ | | Drainage | 50000 | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained | ively Drained Drained Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg | Wasner-Quin) roup): mesic 1 ns confirm map | cy fine sands, 0-5% s | _ | | Drainage | 50000 | Somewhat Excess Well Drained Moderately Well Somewhat Poorly | ively Drained Drained Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg | Wasner-Quin) roup): mesic T ns confirm map | cy fine sands, 0-5% s Typic Psammaquents pped soil type? | Yes □No | | | 50000 | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain | ively Drained Drained Drained ned |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg | Wasner-Quin) roup): mesic 1 ns confirm map | cy fine sands, 0-5% s | _ | • | Abundance | | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain | ively Drained Drained Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description | Wasner-Quin) roup): mesic 1 ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? | Yes □No Mottle Color | • | | | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain | ively Drained Drained Drained ned Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg | Wasner-Quin) roup): mesic T ns confirm map | cy fine sands, 0-5% s Typic Psammaquents pped soil type? | Yes □No | • | Abundance | | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain | ively Drained Drained Drained ned |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description | Wasner-Quin) roup): mesic 1 ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? | Yes □No Mottle Color | • | Abundance | | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain | ively Drained Drained Drained ned Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description | Wasner-Quin) roup): mesic 1 ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? | Yes □No Mottle Color | • | Abundance | | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain | ively Drained Drained Drained ned Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) | Wasner-Quin) roup): mesic T ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 | Yes □No Mottle Color - | (few, con | Abundance nmon, many) - | | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain Mottle Size (fine, med, coarse) | ively Drained Drained Drained ned Texture sand |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description | Wasner-Quin) roup): mesic T ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) | Yes □No Mottle Color - | (few, com | Abundance imon, many - |) | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain Mottle Size (fine, med, coarse) Organic Streakin | ively Drained Drained Drained ned Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) | Wasner-Quin) roup): mesic T ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo | Yes □No Mottle Color - | (few, com ☐ Reducing Com ☐ Gleyed or Lo | Abundance nmon, many) - - nditions w Chroma (|) | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain Mottle Size (fine, med, coarse) Organic Streakin Organic Pans | orained Drained Drained Texture Sand g in Sandy Soils |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) | Wasner-Quin) roup): mesic T ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor | Yes No Mottle Color - on (8-16") | ☐ Reducing Col ☐ Gleyed or Lo ☐ Mn or Fe Col | Abundance nmon, many - nditions w Chroma (| Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local | orained Drained Drained Texture Sand In Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) | Wasner-Quin) roup): mesic T ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo | Yes No Mottle Color - on (8-16") | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain Mottle Size (fine, med, coarse) Organic Streakin Organic Pans | orained Drained Drained Texture Sand In Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indices | Wasner-Quin) roup): mesic T ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor | Yes No Mottle Color - on (8-16") | ☐ Reducing Col ☐ Gleyed or Lo ☐ Mn or Fe Col | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drain Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local | orained Drained Drained Texture Sand In Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) | Wasner-Quin) roup): mesic T ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor | Yes No Mottle Color - on (8-16") | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drained Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local Other (explain in | Drained Drained Texture sand ng in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indices | Wasner-Quin) roup): mesic T ns confirm map on Horizon | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor | Yes No Mottle Color - on (8-16") | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drained Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local Other (explain in | orained Drained Drained Texture sand g in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indicates Remarks: The cri | Wasner-Quin) roup): mesic 1 ns confirm map on Horizon - cators | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Yes No Mottle Color - on (8-16") | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drained Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local Other (explain in | Drained Drained Texture sand ng in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The cri | Wasner-Quin) roup): mesic 1 ns confirm map on Horizon - cators teria were met. | Cy fine sands, 0-5% s Fypic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Mottle Color - on (8-16") re Regime | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drained Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local Other (explain in | Drained Drained Texture sand ng in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crief WETLAND DET Hydrophytic Veg | Wasner-Quin) roup): mesic 1 ns confirm map on Horizon - cators teria were met. | Cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur ON nant? Yes | Yes □No Mottle Color - on (8-16") re Regime □No | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drained Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local Other (explain in | Drained Drained Texture sand ng in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg) Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crief WETLAND DET Hydrophytic Veg Wetland Hydrolog | Wasner-Quin) roup): mesic 7 ns confirm map on Horizon - cators teria were met. FERMINATIO getation Domin ogy Present? | cy fine sands, 0-5% s Typic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur ON nant? Yes | Yes □No Mottle Color - on (8-16") re Regime □No □No | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drained Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local Other (explain in | Drained Drained Texture sand ng in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The cri WETLAND DET Hydrophytic Veg Wetland Hydrole Hydric Soil Presi | Wasner-Quin) roup): mesic 1 ns confirm map on Horizon - cators teria were met. FERMINATIO getation Domin ogy Present? ent? | cy fine sands, 0-5% s Fypic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur ON nant? Yes Yes Yes | Yes □No Mottle Color - on (8-16") re Regime □No | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance nmon, many - nditions w Chroma (ncretions | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drained Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local Other (explain in | Drained Drained Texture sand ng in Sandy Soils Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subg) Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crief WETLAND DET Hydrophytic Veg Wetland Hydrolog | Wasner-Quin) roup): mesic 1 ns confirm map on Horizon - cators teria were met. FERMINATIO getation Domin ogy Present? ent? | cy fine sands, 0-5% s Fypic Psammaquents pped soil type? Matrix color 10 YR 3/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur ON nant? Yes Yes Yes | Yes □No Mottle Color - on (8-16") re Regime □No □No | Reducing Col Gleyed or Lo Mn or Fe Col High Organic | Abundance amon, many) - nditions w Chroma C necretions c Content in dy Soils | Colors | Somewhat Excess Well Drained Moderately Well Somewhat Poorly Poorly Drained Very Poorly Drained Mottle Size (fine, med, coarse) Organic Streakin Organic Pans Listed on Local Other (explain in | Drained Drained Texture sand ng in Sandy Soils Hydric Soils List |

Name: T. Dennis and M. McGraw

Sheet 11 of 22



| Project Site: Potl | | | | Date: 11/28 | | | Project #: 169 | 01.01 |
|--|--|--|--|---|--|-------------|--|--|
| Applicant/Owner | | | County/State: Grant County, WA 1 flag 9-6W Sec/Town/Range: S1 T18N R27E, S36 T19N R27E, and S31 T19N R2 | | | | | |
| Test Plot Location | on: Unit B 20 feet no | rth of Berm 1 | 0 wetland flag 9-6W | Sec/Town/R | ange: S1 T | 18N R27E, | S36 T19N R27E, and | S31 T19N R28E |
| | | | | | | | | |
| Do normal circui | nstances exist at the | site? | | ⊠Yes | □No | Plot II | D: TP-11up | |
| Is the site signific | antly disturbed (aty) | oical situation | n)? | □Yes | ⊠No | Comm | unity ID: | |
| Is the site a poten | itial problem area? | | | □Yes | ⊠No | Transe | ect ID: | |
| | | | | | | | | 100 to |
| VEGETATION | (Strata: tree, sapling | shrub, woo | dy vine, herb) | | | | | |
| Dominant Plant S | Species | | | | | | | |
| Comn | ion Name | NAME OF TAXABLE PARTY. | Scientific | Name | | Strata | % Cover I | ndicator Status |
| Bailey's buckw | heat* | Eriogonur | | | | Herb | 60 | NI |
| 2. tumble mustare | i | Sisymbriu | m altissimum | | | Herb | 10 | FACU- |
| 3. small tumblewe | eed | Sisymbriu | m loeselii | | | Herb | 10 | NI |
| 4. Douglas rabbiti | brush | Chrysotha | mnus viscidiflorus | 3000 | | Herb | 10 | NI |
| gray rabbitbrus | h | Chrysotha | mnus nauseosus | 2 × 1/00 / 12 | | Herb | 10 | NI |
| 6. | | | 30. | | | - | | 4 0 |
| 7. | | | | | | - | | - M - 10 |
| 8. | | | | | | - | | - |
| Other species pres | ent: Bareground at 10 | %. | | 3: 156-57 | | 182 | 27.161 10 10.111 | |
| | pecies OBL, FACW, | | C+, FAC 0% | (more than 50° | % required) | | | 9 |
| | ninant species per the | | | ▼ 37,20,1, 713,017, 7.2. | 5.3. B.3.3 . | | | |
| | | | | | | | Vegetation Crite | ria Met? □Yes ⊠No |
| | | | | | | | | |
| HYDROLOGY | | | | | | | | |
| Recorded data av | /ailable? | Yes 🔲 N | ło | Type(s): | | | | |
| Is it the growing | season? | Yes 🖾 N | lo | | | Wetland H | ydrology Indicators | |
| Is site inundated? | | Yes 🛛 N | lo | Primary Inc | licators | 7 | Secondary Indicators | s (2 required) |
| | | | | ☐ Inunda | ted | | □ Oxidized Root C | Channels < 12in. bgs |
| Depth of surface | water: N/ | <u>A</u> | | ☐ Saturat | ed < 12 in. | | ■ Local Soil Surve | y Data |
| Depth to free wat | ter in pit: N/ | <u>A</u> | | ☐ Water ! | Marks | | Water Stained L | eaves |
| Depth to saturate | ed soils: N/ | <u>A</u> | | 🔲 Drift Li | | | FAC-Neutral Te | The second secon |
| | | | | | nt Deposits | | Other (Explain i | n remarks) |
| | | | | | | | | |
| | | | | Drainag | ge Patterns | | 35 M | 100 access |
| | | | | | ge Patterns | | 35 M | ria Met? □Yes ⊠No |
| Remarks: The cri | iteria were not met. | | | Drainag | ge Patterns | | 35 M | 100 access |
| | iteria were not met. | | | Drainag | ge Patterns | | Hydrology Crite | ria Met? □Yes ⊠No |
| SOILS: | | | | Drainag | ge Patterns | : Class: | Hydrology Crite Excessively Drai | ria Met? □Yes ⊠No |
| SOILS: Map Unit Name: | Wasner-Quincy fine | sands, 0-5% s | slopes (176) | Drainag | ge Patterns ands | · Class: | Hydrology Crite Excessively Drai Somewhat Exces | ria Met? □Yes ⊠No |
| SOILS: Map Unit Name: (Series and Phase) | Wasner-Quincy fine | | | Drainag | ge Patterns ands | Class: | Hydrology Crite Excessively Drai Somewhat Exces Well Drained | ria Met? □Yes ⊠No ned sively Drained |
| SOILS: Map Unit Name: (Series and Phase) | Wasner-Quincy fine | | | Drainag | ge Patterns ands | : Class: | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel | ned sively Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quincy fine roup): mesic Typic P. | sammaquents | | Drainag | ge Patterns ands | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl | ned sively Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quincy fine | sammaquents | | Drainag | ge Patterns ands | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorly Poorly Drained | ned sively Drained Drained y Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quincy fine roup): mesic Typic P. s confirm mapped so | sammaquents | | Drainag | ge Patterns ands | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl | ned sively Drained Drained y Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so | sammaquents | Yes ⊠No | ☐ Drainag | ge Patterns ands Drainage | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra | ned sively Drained Drained y Drained ined |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quincy fine roup): mesic Typic P. s confirm mapped so | sammaquents | | □ Drainag in wetl | ge Patterns ands Drainage | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorly Poorly Drained Very Poorly Dra | ned sively Drained Drained y Drained |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgrield observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so n Horizon Mai | sammaquents il type? rix color | Yes ⊠No <u>Mottle Color</u> | □ Drainag in wetl | ge Patterns ands Drainage | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra | ned sively Drained I Drained y Drained ined Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so n Horizon Mai | sammaquents | Yes ⊠No | □ Drainag in wetl | ge Patterns ands Drainage | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorly Poorly Drained Very Poorly Dra | ned sively Drained Drained y Drained ined |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgrield observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so n Horizon Mai | sammaquents il type? rix color | Yes ⊠No <u>Mottle Color</u> | □ Drainag in wetl | ge Patterns ands Drainage | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorly Poorly Drained Very Poorly Dra | ned sively Drained I Drained y Drained ined Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgrield observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so n Horizon Mai | sammaquents il type? rix color | Yes ⊠No <u>Mottle Color</u> | □ Drainag in wetl | ge Patterns ands Drainage | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorly Poorly Drained Very Poorly Dra | ned sively Drained I Drained y Drained ined Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P. s confirm mapped so Mai Horizon Mai | il type? \(\triangle \) rix color YR 3/2 | Yes ⊠No <u>Mottle Color</u> - | ☐ Drainag in wetl | ge Patterns ands Drainage Abundance nmon, many | | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) | ned sively Drained I Drained y Drained iined Texture sand |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgrield observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so on Horizon Ma - 10 ators H | il type? rix color YR 3/2 istosol (-ists) | Yes ⊠No Mottle Color - | Mottle (few, con | Patterns ands Drainage Abundance nmon, many - |) | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak | ned sively Drained I Drained y Drained ined Texture |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so n Horizon Mai - 10 ators H H | il type? rix color YR 3/2 istosol (-ists) istic Epipedo | Yes ⊠No Mottle Color - | Mottle (few, con | Abundance nmon, many - unditions |) | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans | ned sively Drained I Drained y Drained iined Texture sand iing in Sandy Soils |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so n Horizon Mai - 10 ators H H | il type? rix color YR 3/2 istosol (-ists) istic Epipedo | Yes ⊠No Mottle Color - on (8-16") | Mottle (few, con Reducing Co Gleyed or Lo | Abundance nmon, many - unditions ow Chroma encretions |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca | ned sively Drained I Drained y Drained ined Texture sand sand Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so n Horizon Mai - 10 ators H H | il type? rix color YR 3/2 istosol (-ists) istic Epipedo | Yes ⊠No Mottle Color - on (8-16") | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans | ned sively Drained I Drained y Drained ined Texture sand sing in Sandy Soils I Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indic | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so Mai Horizon Mai - 10 ators H H H H S S A | il type? rix color YR 3/2 istosol (-ists) istic Epipedo | Yes ⊠No Mottle Color - on (8-16") | Mottle (few, con Reducing Co Gleyed or Lo | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca | ned sively Drained I Drained y Drained ined Texture sand sing in Sandy Soils I Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so Mai Horizon Mai - 10 ators H H H H S S A | il type? rix color YR 3/2 istosol (-ists) istic Epipedo | Yes ⊠No Mottle Color - on (8-16") | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | ned sively Drained I Drained y Drained ined Texture sand ing in Sandy Soils I Hydric Soils List in remarks) |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indic | Wasner-Quincy fine roup): mesic Typic P s confirm mapped so Mai Horizon Mai - 10 ators H H H H S S A | il type? rix color YR 3/2 istosol (-ists) istic Epipedo | Yes ⊠No Mottle Color - on (8-16") | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | ned sively Drained I Drained y Drained ined Texture sand sing in Sandy Soils I Hydric Soils List |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice | Wasner-Quincy fine roup): mesic Typic Properties of the roup of th | il type? rix color YR 3/2 istosol (-ists) istic Epipedo | Yes ⊠No Mottle Color - on (8-16") | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | ned sively Drained I Drained y Drained ined Texture sand ing in Sandy Soils I Hydric Soils List in remarks) |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit | Wasner-Quincy fine roup): mesic Typic P. s confirm mapped so Horizon Mar - 10 ators H H S S A teria were not met. | il type? rix color YR 3/2 istosol (-ists) istic Epipedo alfidic Odor quic Moistur | Mottle Color - on (8-16") re Regime | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | ned sively Drained I Drained y Drained ined Texture sand ing in Sandy Soils I Hydric Soils List in remarks) |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit | Wasner-Quincy fine roup): mesic Typic Properties of the roup of th | il type? rix color YR 3/2 istosol (-ists) istic Epipedo | Mottle Color Mottle Color - on (8-16") re Regime ⊠No | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | ned sively Drained I Drained y Drained ined Texture sand ing in Sandy Soils I Hydric Soils List in remarks) |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg Wetland Hydrold | Wasner-Quincy fine roup): mesic Typic Property of the roup of the | il type? rix color YR 3/2 istosol (-ists) istic Epipedo allfidic Odor quic Moistur Yes Yes | Mottle Color Mottle Color - on (8-16") re Regime ⊠No ⊠No | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | ned sively Drained I Drained y Drained ined Texture sand ing in Sandy Soils I Hydric Soils List in remarks) |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg Wetland Hydrold Hydric Soil Prese | Wasner-Quincy fine roup): mesic Typic P. s confirm mapped so Mail Horizon Mail - | il type? rix color YR 3/2 istosol (-ists) istic Epipedo ilfidic Odor quic Moistur Yes Yes Yes | Mottle Color Mottle Color - on (8-16") re Regime ⊠No | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - unditions ow Chroma oncretions c Content in |) Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | ned sively Drained I Drained y Drained ined Texture sand ing in Sandy Soils I Hydric Soils List in remarks) |
| SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indice Remarks: The crit WETLAND DET Hydrophytic Veg Wetland Hydrold Hydric Soil Prese | Wasner-Quincy fine roup): mesic Typic Property of the roup of the | il type? rix color YR 3/2 istosol (-ists) istic Epipedo ilfidic Odor quic Moistur Yes Yes Yes | Mottle Color Mottle Color - on (8-16") re Regime ⊠No ⊠No | Mottle (few, con Reducing Co Gleyed or Lc Mn or Fe Co High Organi | Abundance nmon, many - onditions or Chroma on cretions c Content in dy Soils | Colors | Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | ned sively Drained I Drained y Drained ined Texture sand ing in Sandy Soils I Hydric Soils List in remarks) |

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| Project Site: Pot | | Date: 11/28/07 Project #: 1696.01 | | | | | | | | | |
|---------------------|-----------------|-----------------------------------|--|--|---|---------|-------------|-------------|-------------------|----------------------|--|
| Applicant/Owne | r: WDFW | | | | County/State: Grant County, WA | | | | | | |
| Test Plot Locati | on: Unit B 4 | 0 ft east of Berm 10 v | vetland flag 9-6W | | | | | | 6 T10N R27F an | nd S31 T19N R28E | |
| | | | 97.3 | | 500,10,111,111 | мдет | 01 11011 | 10272,00 | 0 11711 1C27E, an | IU 331 11914 K28E | |
| Do normal circu | mstances exis | st at the site? | | | ⊠Yes | | о I | Plot ID: | TP-12wet | | |
| | | bed (atypical situation | nn)? | | Yes | ⊠N | | | nity ID: | | |
| Is the site a pote | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | Yes | ⊠N. | | Transect | | 11. | |
| pur | and problem | ar cur | - | | | | 0 1 | Transect | ID: | | |
| VEGETATION | (Strata: tree | , sapling, shrub, woo | dy vine herb) | | | - | | | | | |
| Dominant Plant | Species | , sapining, sin ub, woo | dy vine, nerb) | | | | | | | | |
| | non Name | | Scientific | Name | | | C+ | rata | % Cover | Indicator Ctotor | |
| hardstem bulru | | Schoenor | electus acutus | | | | | erb | 100 | Indicator Status | |
| 2. | | Велоснор | nectas acatas | | | | | - | 100 | OBL | |
| 3. | | | | | | | | | | | |
| 4. | | | | | | | | - | | <u> </u> | |
| 5. | | | | - | | | | | | • | |
| 6. | **** | | | | | | | | | - | |
| 7. | | | 15 (77) | | | | | - | | • | |
| 8. | | | | | | | | - | | - | |
| Other species pres | ent: | | | | | - | | | | | |
| % of dominant s | necies ORI | FACW, FACW-, FA | C+, FAC 100% | - | more than 500/ | | : | | | | |
| Remarks * = do | minant species | s per the 50/20 rule. 1 | /1 = 100% | (| more than 50% | requi | irea) | | | | |
| Actual AS | minut species | s per the 30/20 rule. I | 71 - 10070 | | | | | | Vogatation Cri | teria Met? ⊠Yes □No | |
| 7202 10 10 1 | | | | | | | | | vegetation Cri | teria Met: Mres INO | |
| HYDROLOGY | | | | | 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | - | | | | | |
| Recorded data a | vailable? | ⊠ Yes □ | No | | Type(s): | | | | | | |
| Is it the growing | | = = | No | | 1 y pc(3). | | Wet | land Hyd | rology Indicator | 6 | |
| Is site inundated | | | No | | Primary Indi | cators | | | condary Indicate | | |
| | | | | | ☐ Inundate | | | | Oxidized Root | Channels < 12in. bgs | |
| Depth of surface | water: | N/A | | | ☐ Saturate | | in. | \boxtimes | | | |
| Depth to free wa | | N/A | | | | | | | | | |
| Depth to saturate | | N/A | | Water Marks □ Water Stained Leaves □ Drift Lines □ FAC-Neutral Test | | | | | | | |
| 2.5 | | | | ☐ Sediment Deposits ☐ Other (Explain in remarks) | | | | | | | |
| | | | | | Drainage | | | | | , | |
| | | | | | in wetla | | | | Hydrology Cri | teria Met? ⊠Yes □No | |
| Remarks: The cr | iteria were me | t. | | | | | | | | | |
| | | | | | | | | | | | |
| SOILS: | | | | | | Drai | inage Cla | ss: | Excessively Dr | ained | |
| | | ncy fine sands, 0-5% | slopes (176) | | | | | | Somewhat Exc | essively Drained | |
| (Series and Phase) | | | | | | | | | Well Drained | 3.50 | |
| Taxonomy (Subg | roup): mesic | Typic Psammaquents | 3 | | | | | | Moderately W | | |
| | | NO MADE IN STREET | PODGE 17 | | | | | | Somewhat Poo | rly Drained | |
| Field observation | is confirm ma | ipped soil type? 🛛 | Yes □No | | | | | \boxtimes | | | |
| | | | | | | | | | Very Poorly D | rained | |
| Profile Description | | | | | | | | | | | |
| Depth (inches) | <u>Horizon</u> | Matrix color | Mottle Color | | Mottle A | | | | Mottle Size | <u>Texture</u> | |
| | | | | | (few, com | mon, n | nany) | | fine, med, coarse | e) | |
| 0-12" | • | 10 YR 4/1 | - | | | - | | | | sand | |
| <u></u> | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Hydric Soil Indic | ators | ☐ Histosol (-ists) | A STATE OF THE STA | | Reducing Con | ditions | S | | Organic Strea | aking in Sandy Soils | |
| | | ☐ Histic Epiped | on (8-16") | \boxtimes | Gleyed or Lov | v Chro | ma Colo | rs [| | | |
| | | ☐ Sulfidic Odor | | | Mn or Fe Con | cretion | ns | \geq | Listed on Loc | al Hydric Soils List | |
| | | Aquic Moistu | re Regime | | High Organic | Conte | nt in | | | n in remarks) | |
| | | | | | Layer of Sand | y Soils | s | | 9 3 | * | |
| Remarks: The cri | teria were met | • | | | | | | | | | |
| | | | | | | | | | Soils Cri | teria Met? ⊠Yes □No | |
| | | | | | | | | | | | |
| WETLAND DET | | | | | | | | | | | |
| Hydrophytic Veg | etation Domi | nant? ⊠Yes | \square No | | | | | | | | |
| Wetland Hydrolo | gy Present? | ⊠Yes | \square No | | | | | | | | |
| Hydric Soil Prese | | ⊠Yes | □No | | | | | | | | |
| D Tl | tland aritaria | vere met | | | | | | | | | |
| Remarks: The we | tialiu ciliciia | rere met. | | | | | | | hin a watland? | MVas DNa | |

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| Project Site: Potholes Reservoir | | Date: 11/2 | Date: 11/28/07 | | | | | | | |
|--|--|---|--------------------------------|----------------------------|--|--------------------|--|--|--|--|
| Applicant/Owner: WDFW | | County/Stat | County/State: Grant County, WA | | | | | | | |
| Test Plot Location: Unit A 10 ft north | of Berm 4a | Sec/Town/R | ange: | S1 T18N R27E, S | S36 T19N R27E, and S | 31 T19N R28E | | | | |
| | | | ,× | | | | | | | |
| Do normal circumstances exist at the | site? | ⊠Yes | □ No | Plot ID |): TP-13up | | | | | |
| Is the site significantly disturbed (aty | | □Yes | ⊠No | | unity ID: |) | | | | |
| Is the site a potential problem area? | near steaanony. | Yes | ⊠No | | ect ID: | | | | | |
| is the site a potential problem area: | | 1 1 1 1 1 1 1 1 | DING | Transc | CCTID. | | | | | |
| VEGETATION (Strata: tree, sapling Dominant Plant Species Common Name | , shrub, woody vine, herb) Scientific | Name | o 550000 | Strata | % Cover I | ndicator Status | | | | |
| 1. small tumbleweed* | Sisymbrium loeselii | | | Herb | 30 NI | | | | | |
| | Chrysothamnus viscidiflorus | | | Herb | 20 | NI | | | | |
| 2. Douglas rabbitbrush* | | | | Herb | 20 | NI | | | | |
| 3. gray rabbitbrush* | Chrysothamnus nauseosus | | | | 20 | 141 | | | | |
| 4. | | | | - | | - | | | | |
| 5. | | | | - | | | | | | |
| 6. | | | | - | | - | | | | |
| 7. | | | | | | - | | | | |
| 8. | | | | - | | - | | | | |
| Other species present: Bareground at 30%. % of dominant species OBL, FACW, FACW-, FAC+, FAC Remarks: * = dominant species per the 50/20 rule. 0/3= 0% Vegetation Criteria Met? Yes No | | | | | | | | | | |
| HYDROLOGY Recorded data available? Is it the growing season? Is site inundated? Primary Indicators Inundated Depth of surface water: Depth to free water in pit: Depth to saturated soils: N/A Depth to sufficiators Secondary Indicators Secondary Indicators Depth dept | | | | | | | | | | |
| | | | Dwa | inaga Classi | Francively Dra | ned | | | | |
| SOILS: Map Unit Name: Wasner-Quincy fine (Series and Phase) Taxonomy (Subgroup): mesic Typic F Field observations confirm mapped so | sammaquents | Drainage Class: □ Excessively Drained □ Somewhat Excessively Drained □ Well Drained □ Moderately Well Drained □ Somewhat Poorly Drained □ Poorly Drained □ Very Poorly Drained | | | | | | | | |
| | trix color Mottle Color | Mottle | Abund | ance | Mottle Size | Texture | | | | |
| Depth (menes) Horizon Mia | HIA COIOI | (few, co | A CONTRACTOR | | (fine, med, coarse) | | | | | |
| 0.128 |) YR 3/3 | (1011, 00 | | | - | sand | | | | |
| 0-12" - 10 | 7 I K 3/3 | | | | | Janu | | | | |
| | | - | | | | | | | | |
| | | | | | | - | | | | |
| □ I | listosol (-ists) listic Epipedon (8-16") ulfidic Odor .quic Moisture Regime | Reducing C Gleyed or L Mn or Fe C High Organ Layer of Sa | ow Chroneretionic Conte | oma Colors ns ent in | Organic Pans Listed on Loca Other (explain | | | | | |
| | | | - 12.12 | | Soils Crite | eria Met? ∐Yes ⊠No | | | | |
| WETLAND DETERMINATION Hydrophytic Vegetation Dominant? | | | | | | | | | | |

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| Project Site: Poth | Date: 11/28/07 | | | | | | | | | | |
|--|------------------|--|---|--------------|---|-----------|----------|-----------|---|-------------------------|--|
| Applicant/Owner | | County/State: Grant County, WA | | | | | | | | | |
| | | ft south of Berm 4a | | | | | | | 26 T10NI D27E a | nd S31 T19N R28E | |
| rest Flot Locatio | ii. Offic A 13 | it south of Delin 4a | | | Sec/ LOWII/Ra | inge: | 21 110IN | 14/E, 3 | JU 11714 RZ/E, al | III 0.31 11711 IX.20E | |
| . | · | 4 41 14. 0 | | | N. | | | DI-4 ID | TD 14 | ···· | |
| Do normal circun | | | | | ⊠Yes | □ No | | | TP-14wet | | |
| | | ed (atypical situation |)? | | □Yes | ⊠No | | | nity ID: | | |
| Is the site a poten | tial problem | area? | | | □Yes | ⊠No | | Transec | et ID: | | |
| | | | | | | | | | | | |
| VEGETATION Dominant Plant S | | y vine, herb) Scientific | Name | x | otaci itocirci de | Str | ata | % Cover | Indicator Status | | |
| hardstem bulrus | | Schoononle | ectus acutus | | | | | erb | 100 | OBL | |
| | 511 | зспоепори | cius acuius | | | | | - | 100 | - OBL | |
| 2. | | | | | | | 10000 | - | | | |
| 3. | | | | | | | | - | | | |
| 4. | | | | | | | | - | | | |
| 5. | | | | | | | | - | | | |
| 6. | | | | | | | | 2 | | 1€ | |
| 7. | | | | | | | | - | | | |
| 8. | | | (2) | | | | | - | | 8. | |
| The second secon | ent: | | | | | | <u> </u> | | | | |
| Other species present: % of dominant species OBL, FACW, FACW-, FAC+, FAC Remarks: * = dominant species per the 50/20 rule. 1/1 = 100% Vegetation Criteria Met? Vegetation Criteria Met? Yes □No | | | | | | | | | | | |
| INDROLOGY | | · | | | | | | 80 | | | |
| HYDROLOGY | وملطوائه | ⊠ vaa □ v | | | Typo(a): | | | | | i | |
| Recorded data av | | ⊠ Yes □ N | | | Type(s): | | *** | | 1 I I I! 4- | | |
| Is it the growing | | ☐ Yes ⊠ N | | | | | | | drology Indicato | | |
| Is site inundated? | ? | ☐ Yes ⊠ N | 0 | | Primary Indi | | | } | econdary Indica | tors (2 required) | |
| dent de describer | | | | | Inundate | | | Ļ | | ot Channels < 12in. bgs | |
| Depth of surface | water: | <u>N/A</u> | | | ☐ Saturated < 12 in. ☐ Local Soil Survey Data | | | | | | |
| Depth to free wat | er in pit: | N/A | | | ☐ Water Marks ☐ Water Stained Leaves | | | | | | |
| Depth to saturate | d soils: | N/A | | | ☐ Drift Lines ☐ FAC-Neutral Test | | | | | | |
| | | | | | ☐ Sedimen | t Depo | sits | | Other (Expla | in in remarks) | |
| | | | | | ☐ Drainage Patterns | | | | | | |
| | | | | | in wetlands Hydrology Criteria Met? 🖂 Y | | | | | | |
| Remarks: The cri | iteria were me | t | | | | | | | | | |
| Remarks. The cri | iteria were me | <u>'</u> | | | | | | | | | |
| COTT C | | | | | **** | Dea | nage Cla | | Excessively D | Prained | |
| SOILS: | ,,, | | 1 (17() | | | DIA | mage Cia | 133. | | ccessively Drained | |
| | | ncy fine sands, 0-5% s | lopes (176) | | | | | F | | | |
| (Series and Phase) | | Wilder Will Merci | | | | | | Ļ | Well Drained | 1 | |
| Taxonomy (Subgi | roup): mesic | Typic Psammaquents | | | | | | Ļ | Moderately V | | |
| SV 56 | | 0.00 | 10 TO | | | | | L | Somewhat Po | | |
| Field observation | s confirm ma | pped soil type? 🛛 🛚 | es □No | | | | | | Poorly Drain | | |
| | | | | | | | | | ☐ Very Poorly | Drained | |
| Profile Description | on | | | | | | | | 1000 | | |
| Depth (inches) | Horizon | Matrix color | Mottle Color | | Mottle A | bund | ance | | Mottle Size | <u>Texture</u> | |
| | | | | | (few, com | | | | (fine, med, coar | 101 | |
| 0-12" | - | 10 YR 3/1 | - | | 3 | - | | | - | sand | |
| 0.2 | | | | | | | | | * · · · · · · · · · · · · · · · · · · · | | |
| | | | 11.4- | | | e ::::::: | | | 17.00 | | |
| | | | | - | | | | | C | | |
| | | | L | | D.J. C | A)+! | | | [] O | nolling in Candy Cails | |
| Hydric Soil Indic | ators | Histosol (-ists) | | Ш | Reducing Cor | | | | | eaking in Sandy Soils | |
| | | ☐ Histic Epipedo | n (8-16") | \boxtimes | Gleyed or Lo | | | ors | Organic Par | | |
| | | ☐ Sulfidic Odor | | | Mn or Fe Cor | | | | | ocal Hydric Soils List | |
| | | Aquic Moistur | e Regime | | High Organic | Conte | ent in | | Other (expl: | ain in remarks) | |
| | | 5 - 17 IT | (45) | | Layer of San | dy Soil | S | | | 1 | |
| Remarks: The cri | teria were met | | | | 150 | 120 | | | | November appropries. | |
| | | The state of the s | | | | | | | Soils C | riteria Met? ⊠Yes □No | |
| | | | | | | | | | | | |
| WETT AND DEC | CEDMINIATE | ON | | | | | | | | | |
| WETLAND DET | | UN NO NO | □N ₀ | | | | | | | | |
| Hydrophytic Veg | | | □No | | | | | | | 1 | |
| Wetland Hydrolo | | ∑Yes | □No | | | | | | | | |
| Hydric Soil Pres | ent? | ⊠Yes | \square No | | | | | | | | |
| Remarks: The we | tland criteria v | were met. | | | | | | | | _ | |
| | | | | | | | In to | of plat w | ithin a wetland? | ⊠Ves □No | |

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| Project Site: Pot | holes Reservoi | ir | | | | Date: 11/28/07 | | | | | | |
|-------------------------------------|---|---------------|-----------------|--|--------------------------------|--|----------|--------|-----------|--|----------------------|-------|
| Applicant/Owne | r: WDFW | | | | County/State: Grant County, WA | | | | | | | |
| Test Plot Location | | ear Berm 6 | ób flag | | | | | | | 36 T19N R27E, an | d S31 T19N R28E | |
| | | | | • | | 1 | 8 | | | | 0001119111100 | |
| Do normal circu | mstances exis | t at the si | te? | | | ⊠Yes | | 1 | Plot ID: | TP-15up | | |
| Is the site signific | | | | 12 | | Yes | ⊠No | | | nity ID: - | | |
| Is the site a poter | | | cur ortunior | .,. | | ☐Yes | ⊠No | | Transec | | | |
| as the often potes | itiai pi obieiii | | | W -500 | | 103 | ESING | , | Transce | (ID | | |
| VEGETATION | (Strata: tree | conling of | henh wood | ly vina hawh) | | | | | | | | |
| Dominant Plant | | saping, | siii ub, wood | ly vine, herb) | | | | | | | | 22 |
| | non Name | | | Scientific | Nam | | | | 44. | 0/ 0 | I. W | |
| Bailey's buckw | | | Fuire | | Nam | <u>e</u> | | | trata | % Cover | Indicator Status | |
| | | | Eriogonun | | | 10 | | | Herb | 15 | NI | |
| 2. small tumblew | | | Sisymbrium | | | | | | Herb | 15 | NI | |
| 3. Tumble mustar | | | | n altissimum | | | | | Herb | 10 | FACU- | |
| 4. Douglas rabbit | | | | mnus viscidiflorus | | | | | Herb | 10 | NI | |
| gray rabbitbrus | sh | | Chrysotha | mnus nauseosus | | | | 1 | Herb | 10 | NI | |
| 6. | | | | | | | | | - | | - | |
| 7. | | | | | | X | | | - | | - | |
| 8. | 18 18 18 18 18 | | | | | | | | - | | - | |
| Other species pres | ent: Baregroui | nd at 40% | | | | | | | | | | |
| % of dominant s | pecies OBL, I | FACW, F | ACW-, FAC | :+, FAC 0% | | (more than 50% | 6 requi | red) | | | | |
| Remarks: * = dor | ninant species | per the 50 | 0/20 rule, 0/2 | 2 = 0% | | 2 | | | | | | |
| | | | | | | | | | | Vegetation Cri | teria Met? Yes | ⊠No |
| | 10 10 | 0 | | | | 80 | | | | | | |
| HYDROLOGY | | | | THE RESERVE OF THE PARTY OF THE | | | | | | W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | | |
| Recorded data as | vailable? | \boxtimes Y | es \square N | 0 | | Type(s): | | | | | | |
| Is it the growing | | □ Y | es 🖾 N | 0 | | 71 | | W | etland Hv | drology Indicator | s | |
| Is site inundated: | | \Box Y | | 0 | | Primary Indi | icators | _ | | econdary Indicate | | |
| | | | N(40) | | | Inundate | | | F | | Channels < 12in. l | bgs |
| Depth of surface | water: | N/A | | | | Saturate | d < 12 | in. | Ō | Local Soil Sur | | |
| Depth to free war | | N/A | | | | ☐ Saturated < 12 in. ☐ Local Soil Survey Data ☐ Water Marks ☐ Water Stained Leaves | | | | | | |
| Depth to saturate | | N/A | | | | ☐ Drift Lines ☐ FAC-Neutral Test | | | | | | |
| a opinio ominini | | | | | | Sedimen | | sits | F | Other (Explain | | |
| | | | | | | Drainag | | | _ | _ Other (Explain | i in remarks, | |
| | | | | | | in wetla | | 1 113 | | Hydrology Cri | teria Met? □Yes | ⊠No |
| Remarks: The cr | iteria were not | met | | | | in wena | inus | | | Hydrology Cir | teria met. 🗀 res | 23110 |
| Itemarks, the or | neria were not | iniot. | | | | | | | | | | |
| SOILS: | | | | | | | Droi | nage C | lace. T | Excessively Di | minad | - |
| Map Unit Name: | Wasner Ouis | nev fina c | ands 0.59/ s | lones (176) | | | Diai | nage C | 1433, | | essively Drained | |
| (Series and Phase) | | ncy tine sa | anus, 0-576 s | iopes (170) | | | | | - | Well Drained | essively Diameu | |
| | | Trunia Das | | | | | | | - | | all Duained | |
| Taxonomy (Subg | roup): mesic | Typic Psa | mmaquents | | | | | | L. | Moderately W | | |
| E' 13 -1 | | | a 🖂x | / MN- | | | | | L | Somewhat Poo | | |
| Field observation | is confirm ma | ippea son | type: | es MNo | | | | | | | | |
| n ei n ' | | | | | | | | | <u>.</u> | Very Poorly D | rained | |
| Profile Description | | 3.4-1 | lar a alle : | Maula Calas | _ | B. # - + + 1 | 4 h 3 | | | Model - O'- | T | |
| Depth (inches) | HOFIZON | watr | <u>ix color</u> | Mottle Color | | Mottle A | | | | Mottle Size | Texture | 2 |
| 0.100 | | 10.1 | 7D 4/2 | | - | (few, com | imon, n | nany) | | (fine, med, coars | | |
| 0-12" | - | 10 / | /R 4/2 | - | - | | • | | | - | sand | |
| | | | | | - | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | <u></u> | | 1000 | | | | _L | |
| Hydric Soil Indic | ators | ☐ His | tosol (-ists) | | | Reducing Cor | nditions | S | | ☐ Organic Stre | aking in Sandy Soi | ls |
| | | ☐ His | tic Epipedo | n (8-16") | | Gleyed or Lov | w Chro | ma Co | lors | Organic Pan: | S | |
| | | ☐ Sul | fidic Odor | | | Mn or Fe Cor | icretion | ns | | Listed on Lo | cal Hydric Soils Lis | st |
| | | ☐ Aq | uic Moistur | e Regime | | High Organic | Conte | nt in | | Other (explain | n in remarks) | |
| | | | | one en entre Se tricula (A. 194). | | Layer of Sand | | | | rangan kanda kanda ina inagkan i maala | | |
| Remarks: The cri | teria were not | met. | | | | 8 <u>.</u> | Ø. | | | | | |
| Soils Criteria Met? ☐Yes ⊠No | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| WETLAND DET | TERMINATIO | ON | | | | | | | | on the conservation of the state of the stat | 1) | |
| Hydrophytic Veg | | | □Yes | \boxtimes No | | | | | | | | |
| | | | □Yes | ⊠No | | | | | | | | J |
| Wetland Hydrolo Hydric Soil Pres | | | ☐ Yes | ⊠No ⊠No | | | | | | | | 1 |
| | | were not n | 100000 | KA140 | | | | | | | | |
| | temarks: The wetland criteria were not met. | | | | | | | | | | | |

Name: T. Dennis and M. McGraw

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| Project Site: Potl | | ir | | Date: 11/28 | Date: 11/28/07 Project #: 1691.01 | | | | | | |
|--|--|---|---|---|--|------------|---|--|--|--|--|
| Applicant/Owner | | | | | County/State: Grant County, WA | | | | | | |
| Test Plot Location | on: Unit A no | orth of Berm 6b at we | tland flag 6b-2SW | Sec/Town/Ra | ange: S1 T18 | N R27E, S3 | 6 T19N R27E, and | S31 T19N R28E | | | |
| | | | | | | | | | | | |
| Do normal circui | | | | ⊠Yes | □No | Plot ID: | TP-16wet | | | | |
| Is the site signific | antly disturb | ed (atypical situatio | n)? | □Yes | ⊠No | Commu | nity ID: | | | | |
| Is the site a poten | itial problem | area? | 1.7 | □Yes | ⊠No Transect ID: | | | | | | |
| | | | | | | | | | | | |
| VEGETATION | (Strata: tree, | sapling, shrub, woo | dy vine, herb) | | | | *** | | | | |
| Dominant Plant S | | | | | | | | | | | |
| Comn | ion Name | | Scientific 1 | Name | S | Strata | % Cover I | ndicator Status | | | |
| hardstem bulru | sh* | Schoenop | lectus acutus | , , , , , , , , , , , , , , , , , , , | | Herb | 100 | OBL | | | |
| 2. | | | | | | | | | | | |
| 3. | | | | | | - | | | | | |
| 4. | | | | | | - | | • | | | |
| 5. | | | | | | | | • | | | |
| 6. | 100000000000000000000000000000000000000 | | | | | ₹ | | - | | | |
| 7. | | | | | | - | | - | | | |
| 8. | | | | | | _ | | _ | | | |
| Other species pres | ent: | 1 3000 3 - 1 - 1 - 1 - 1 | | | 20 - 100 | | | | | | |
| % of dominant sp | oecies OBL, I | FACW, FACW-, FAC | C+, FAC 100% | (more than 50% | 6 required) | | | | | | |
| | | per the 50/20 rule, 1/ | | ************************************** | 5.1.5.1 111.5.7.1 | | | | | | |
| Vegetation Criteria Met? ⊠Yes □No | | | | | | | | | | | |
| | | | | | | | | | | | |
| HYDROLOGY | | | | | | | | | | | |
| Recorded data av | ailable? | ⊠ Yes □ N | lo | Type(s): | | | | | | | |
| Is it the growing : | season? | ☐ Yes ⊠ N | ło | | W | etland Hyd | rology Indicators | | | | |
| Is site inundated? | | ☐ Yes 🖾 N | lo | Primary Indi | icators | Se | condary Indicator | s (2 required) | | | |
| | | | | ☐ Inundate | ed | | Oxidized Root C | Channels < 12in. bgs | | | |
| Depth of surface | | N/A | | ☐ Saturated < 12 in. ☐ Local Soil Survey Data | | | | | | | |
| Depth to free wat | er in pit: | N/A | | Water Marks Water Stained Leaves | | | | | | | |
| D 41. 4 4 4. | | BT/A | | ☐ Drift Lines ☐ FAC-Neutral Test | | | | | | | |
| Depth to saturate | d soils: | <u>N/A</u> | | ☐ Drift Lit | ies | | FAC-Neutral Te | st | | | |
| Depin to saturate | d soils: | <u>N/A</u> | | (<u></u> 4) - (1000) - (1000) (1000) | t Deposits | | FAC-Neutral Te Other (Explain i | | | | |
| Depin to saturate | d soils: | <u>N/A</u> | | ☐ Sedimen | | | | | | | |
| • | | | | ☐ Sedimen | t Deposits e Patterns | | Other (Explain i | | | | |
| Remarks: The cri | | | | ☐ Sedimen ☐ Drainag | t Deposits e Patterns | | Other (Explain i | n remarks) | | | |
| • | | | | ☐ Sedimen ☐ Drainag | t Deposits e Patterns | | Other (Explain i | n remarks) ria Met? ⊠Yes □No | | | |
| Remarks: The cri | iteria were me | t. | | ☐ Sedimen ☐ Drainag | t Deposits e Patterns | | Other (Explain i Hydrology Crite Excessively Drai | n remarks) ria Met? ⊠Yes □No | | | |
| Remarks: The cri | iteria were me | | slopes (176) | ☐ Sedimen ☐ Drainag | t Deposits e Patterns ands | | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces | n remarks) ria Met? ⊠Yes □No | | | |
| Remarks: The cri | iteria were me Wasner-Qui | t. ncy fine sands, 0-5% s | | ☐ Sedimen ☐ Drainag | t Deposits e Patterns ands | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained | n remarks) ria Met? ⊠Yes □No ined sively Drained | | | |
| Remarks: The cri | iteria were me Wasner-Qui | t. | | ☐ Sedimen ☐ Drainag | t Deposits e Patterns ands | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel | n remarks) ria Met? | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quir | t. ncy fine sands, 0-5% s Typic Psammaquents | | ☐ Sedimen ☐ Drainag | t Deposits e Patterns ands | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl | n remarks) ria Met? | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quir | t. ncy fine sands, 0-5% s | | ☐ Sedimen ☐ Drainag | t Deposits e Patterns ands | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained | n remarks) ria Met? Yes No ned sively Drained I Drained y Drained | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quiroup): mesic | t. ncy fine sands, 0-5% s Typic Psammaquents | | ☐ Sedimen ☐ Drainag | t Deposits e Patterns ands | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl | n remarks) ria Met? Yes No ned sively Drained I Drained y Drained | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quiroup): mesic | t. ncy fine sands, 0-5%; Typic Psammaquents speed soil type? | Yes □No | ☐ Sedimen ☑ Drainag in wetla | t Deposits e Patterns ands Drainage C | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra | n remarks) ria Met? | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quiroup): mesic | t. ncy fine sands, 0-5% s Typic Psammaquents | | Sedimen Drainag in wetla | t Deposits e Patterns ands Drainage C | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size | n remarks) ria Met? Yes No ned sively Drained I Drained y Drained | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quiroup): mesic s confirm ma Horizon | t. ncy fine sands, 0-5% s Typic Psammaquents speed soil type? | Yes □No | Sedimen Drainag in wetla | t Deposits e Patterns ands Drainage C | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra | in remarks) ria Met? Yes No ned sively Drained I Drained y Drained nined Texture | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr | Wasner-Quiroup): mesic | t. ncy fine sands, 0-5%; Typic Psammaquents speed soil type? | Yes □No | Sedimen Drainag in wetla | t Deposits e Patterns ands Drainage C | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size | n remarks) ria Met? | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quiroup): mesic s confirm ma Horizon | t. ncy fine sands, 0-5% s Typic Psammaquents speed soil type? | Yes □No | Sedimen Drainag in wetla | t Deposits e Patterns ands Drainage C | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size | in remarks) ria Met? Yes No ned sively Drained I Drained y Drained nined Texture | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quiroup): mesic s confirm ma Horizon | t. ncy fine sands, 0-5% s Typic Psammaquents speed soil type? Matrix color | Yes □No | Sedimen Drainag in wetla | t Deposits e Patterns ands Drainage C | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size | in remarks) ria Met? Yes No ned sively Drained I Drained y Drained nined Texture | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quiroup): mesic s confirm ma m Horizon | t. ncy fine sands, 0-5%; Typic Psammaquents speed soil type? Matrix color 10 YR 2/1 | Yes □No Mottle Color - | Sedimen Drainag in wetla Mottle A (few, com | t Deposits e Patterns inds Drainage Co | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) | in remarks) ria Met? Yes No ned sively Drained I Drained y Drained nined Texture sand | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) | Wasner-Quiroup): mesic s confirm ma m Horizon | t. Typic Psammaquents speed soil type? Matrix color 10 YR 2/1 Histosol (-ists) | Yes □No Mottle Color - | Sedimen Drainag in wetla Mottle A (few, com | t Deposits e Patterns ands Drainage Co Abundance mon, many) - | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) | in remarks) ria Met? Yes No ned sively Drained I Drained y Drained nined Texture | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quiroup): mesic s confirm ma m Horizon | t. Typic Psammaquents speed soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo | Yes □No Mottle Color - | Sedimen □ Drainag in wetla in Wottle A (few, com □ Reducing Cor □ Gleyed or Lov | Drainage Conditions Abundance mon, many) - additions w Chroma Co | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans | in remarks) ria Met? Yes No ned sively Drained I Drained y Drained nined Texture sand sing in Sandy Soils | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quiroup): mesic s confirm ma m Horizon | t. Typic Psammaquents upped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo Sulfidic Odor | Yes □No Mottle Color - on (8-16") | Mottle A (few, com | Drainage Conditions Abundance mon, many) - additions w Chroma Concretions | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca | in remarks) ria Met? | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quiroup): mesic s confirm ma m Horizon | t. Typic Psammaquents speed soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo | Yes □No Mottle Color - on (8-16") | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans | in remarks) ria Met? | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indic | Wasner-Quinteroup): mesic s confirm ma on Horizon - ators | t. Typic Psammaquents upped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Yes □No Mottle Color - on (8-16") | Mottle A (few, com | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca | in remarks) ria Met? | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" | Wasner-Quinteroup): mesic s confirm ma on Horizon - ators | t. Typic Psammaquents upped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Yes □No Mottle Color - on (8-16") | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | in remarks) ria Met? | | | |
| Remarks: The cri SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indic | Wasner-Quinteroup): mesic s confirm ma on Horizon - ators | t. Typic Psammaquents upped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Yes □No Mottle Color - on (8-16") | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | in remarks) ria Met? | | | |
| Remarks: The cri | Wasner-Quinteroup): mesic s confirm ma horizon - ators | t. Typic Psammaquents pped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipede Sulfidic Odor Aquic Moistur | Yes □No Mottle Color - on (8-16") | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | in remarks) ria Met? | | | |
| Remarks: The cri | Wasner-Quinteroup): mesic s confirm ma on Horizon - ators Beria were met | t. Typic Psammaquents pped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Mottle Color - on (8-16") re Regime | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | in remarks) ria Met? | | | |
| Remarks: The cri | Wasner-Quinteroup): mesic s confirm ma on Horizon - ators Beria were met | t. Typic Psammaquents pped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Yes □No Mottle Color - on (8-16") | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | in remarks) ria Met? | | | |
| Remarks: The cri | Wasner-Quinteroup): mesic s confirm ma on Horizon - ators teria were met | t. Typic Psammaquents pped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epipedo Sulfidic Odor Aquic Moistur | Mottle Color - on (8-16") re Regime | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | in remarks) ria Met? | | | |
| Remarks: The crissolls: Map Unit Name: (Series and Phase) Taxonomy (Subgrield observation Profile Description Depth (inches) 0-12" Hydric Soil Indices Remarks: The critsolls WETLAND DET Hydrophytic Veg | Wasner-Quinteroup): mesic s confirm ma on Horizon - ators deria were met EERMINATIO etation Domi ogy Present? | t. Concept Concept | Yes □No Mottle Color - on (8-16") re Regime □No | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | in remarks) ria Met? | | | |
| Remarks: The crissoll SOILS: Map Unit Name: (Series and Phase) Taxonomy (Subgr Field observation Profile Description Depth (inches) 0-12" Hydric Soil Indic Remarks: The critsoll WETLAND DET Hydrophytic Veg Wetland Hydrolog | Wasner-Quinteroup): mesic s confirm ma on Horizon - ators deria were met EERMINATIO etation Domi ogy Present? | t. Typic Psammaquents pped soil type? Matrix color 10 YR 2/1 Histosol (-ists) Histic Epiped Sulfidic Odor Aquic Moistur ON nant? Yes Yes | Mottle Color Mottle Color - on (8-16") re Regime □No □No | Mottle A (few, com Reducing Cor Gleyed or Lor High Organic | Drainage C Abundance mon, many) - aditions w Chroma Concretions Content in | Class: | Other (Explain i Hydrology Crite Excessively Drai Somewhat Exces Well Drained Moderately Wel Somewhat Poorl Poorly Drained Very Poorly Dra Mottle Size (fine, med, coarse) Organic Streak Organic Pans Listed on Loca Other (explain | in remarks) ria Met? | | | |

Name: T. Dennis and M. McGraw

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| Project Site: Potl | | Г | | Date: 11 | Date: 11/28/07 | | | | | | |
|---|---------------------------------------|---------------------|-----------------------|---|--------------------------------|---------------|--|-----------------------|--|--|--|
| Applicant/Owner | r: WDFW | | | County/S | County/State: Grant County, WA | | | | | | |
| Test Plot Location | on: Unit A 15 | ft north of Berm | wetland flag 7-1N | Sec/Town | /Range: | S1 T18N R27E, | S36 T19N R27E, and | S31 T19N R28E | | | |
| | | | | | | | | | | | |
| Do normal circur | mstances exis | t at the site? | | ⊠Yes | | | D: TP-17 up | TP-17 up | | | |
| Is the site signific | antly disturb | ed (atypical situa | tion)? | □Yes | ⊠No | o Comn | nunity ID: | | | | |
| Is the site a poten | itial problem | area? | | □Yes | ⊠No | o Trans | ect ID: | | | | |
| | | | | | | 51 | 0/7 | | | | |
| VEGETATION | (Strata: tree, | sapling, shrub, w | oody vine, herb) | 27. | | | | | | | |
| Dominant Plant S | | | | | | | | | | | |
| | non Name | | Scientific | Name | | Strata | % Cover | Indicator Status | | | |
| Douglas rabbit | | | thamnus viscidiflorus | | | Herb | 30 | NI | | | |
| gray rabbitbrus | sh* | Chryso | thamnus nauseosus | | 14 -540 | Herb | 30 | NI | | | |
| 3. | | | | | | - | | - | | | |
| 4. | | | | | | - | | | | | |
| 5. | | | | 20000 | | - | | | | | |
| 6. | | | | | 110000-1-100-1-10 | - | | - | | | |
| 7. | | | | | | - | | - | | | |
| 8. | | | Y 100 000 000 000 | | | - | | - | | | |
| Other species present: Bareground at 40% | | | | | | | | | | | |
| % of dominant sp | pecies OBL, F | FACW, FACW-, I | AC+, FAC <u>0%</u> | (more than | 50% requi | ired) | | - | | | |
| Remarks: * = dominant species per the $50/20$ rule. $0/2 = 0\%$ | | | | | | | | | | | |
| Vegetation Criteria Met? □Yes ⊠No | | | | | | | | | | | |
| | | | | | | | | | | | |
| HYDROLOGY | | | | | | | | | | | |
| Recorded data av | | ⊠ Yes □ | No | Type(s): | | | | | | | |
| Is it the growing | | ☐ Yes ☒ ☐ Yes ☒ | No | | | | <u>lydrology Indicators</u> | | | | |
| Is site inundated? | ? | ☐ Yes ⊠ | No | | Indicators | | Secondary Indicator | | | | |
| 1 W11 W 5120 1207 | | 1272470 | | | dated | 629 | | Channels < 12in. bgs | | | |
| Depth of surface | | N/A | | ☐ Saturated < 12 in. ☐ Local Soil Survey Data | | | | | | | |
| Depth to free wat | | N/A | | ☐ Water Marks ☐ Water Stained Leaves ☐ Drift Lines ☐ FAC-Neutral Test | | | | | | | |
| Depth to saturate | ed soils: | N/A | | | | ** | FAC-Neutral T | | | | |
| | | | | | nent Depo | | Other (Explain | in remarks) | | | |
| | | | | | nage Patte | erns | Huduslami Cuite | wie Met? DVes MNs | | | |
| D 1 001 | | ra nav | | in w | etlands | | Hydrology Crite | eria Met? Yes No | | | |
| Remarks: The cr | iteria were not | met. | | 10.000 | | | | | | | |
| | | | | | | | | | | | |
| SOILS: | W 0 1 | c 100 | 0/ 1 /15/ | | Drai | inage Class: | Excessively Dra | | | | |
| Map Unit Name: | | ncy fine sands, 0-5 | % slopes (176) | | | | Somewhat Exce | ssively Drained | | | |
| (Series and Phase) | | m : n | | | | | Well Drained | n p: | | | |
| Taxonomy (Subgi | roup): mesic | Typic Psammaque | <u>nts</u> | | | | Moderately We | | | | |
| *** | | | Tr. Mr. | | | | Somewhat Poor | | | | |
| Field observation | is confirm ma | ipped soil type? | _Yes ⊠No | | | | Poorly Drained | | | | |
| | | | | | | | ☐ Very Poorly Dr | ained | | | |
| Profile Description | | | M. W. C. | T | 1-41-1 | | Mo44- C: | Texture | | | |
| Depth (inches) | <u>Horizon</u> | Matrix color | Mottle Color | | le Abund: | | Mottle Size (fine, med, coarse) | | | | |
| 0.10" | | 10 VD 2/2 | | (lew, | common, r | папу) | (IIIIe, IIIeu, coarse) | | | | |
| 0-12" | - | 10 YR 3/3 | | | | | - | sand | | | |
| | | | | | | | | | | | |
| : | | | | ļ | | | | | | | |
| | L, | | | | C2''' | | | hing in Condy Calla | | | |
| Hydric Soil Indic | eators | Histosol (-i: | | Reducing | | | Colored Annual Colored | king in Sandy Soils | | | |
| | | | edon (8-16") | | | oma Colors | Organic Pans | | | | |
| | | Sulfidic Od | | Mn or Fe | | | | ll Hydric Soils List | | | |
| | | ☐ Aquic Mois | ture Regime | ☐ High Orga | | | Other (explain | in remarks) | | | |
| | y w | | | Layer of S | sandy Soil | s | | | | | |
| Remarks: The cri | teria were not | met. | | | | | 0-11-0-11 | ania Mat2 IVaa Na | | | |
| | Soils Criteria Met? ☐ Yes ⊠No | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| WETLAND DET | | | NZ | | | | 3 20 1 20 1 | | | | |
| WETLAND DET Hydrophytic Veg | | inant? Ye | | 2.40 | | | 1971 | | | | |
| Hydrophytic Veg Wetland Hydrolo | getation Domi ogy Present? | inant? Ye | s 🖾 No | | | | | | | | |
| Hydrophytic Veg Wetland Hydrold Hydric Soil Preso | getation Domi ogy Present? ent? | inant? | s 🖾 No | 2.5 | | | | | | | |
| Hydrophytic Veg Wetland Hydrolo | getation Domi ogy Present? ent? | inant? | s 🖾 No | | | | within a wetland? | □Yes ⊠No | | | |

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| Project Site: Pot | Date: 11/28/ | Date: 11/28/07 Project #: 1691.01 | | | | | | | | |
|---|--|---|--|--|------------------------------|--------------|--|--|--|--|
| Applicant/Owne | | | | County/State | : Grant | County, WA | | | | |
| Test Plot Locati | on: Unit A w | est of Berm 7 | | Sec/Town/Ra | nge: S | 1 T18N R27E, | S36 T19N R27E, and | S31 T19N R28E | | |
| | | | N. C. S. C. | | | | | | | |
| Do normal circu | | | | ⊠Yes | □No | Plot II | D: TP-18wet | | | |
| Is the site signifi | cantly disturl | bed (atypical situatio | n)? | □Yes | ⊠No | Comm | unity ID: | | | |
| Is the site a poter | | | | □Yes | ⊠No | | ect ID: | | | |
| | | | | | | | | | | |
| VEGETATION | (Strata: tree | , sapling, shrub, woo | dy vine, herb) | ************************************** | | * | | | | |
| Dominant Plant | | , | -5,, | | | | | | | |
| | mon Name | | Scientific 1 | Name | | Strata | % Cover | ndicator Status | | |
| hardstem bulru | ush* | Schoenop | lectus acutus | | | Herb | 100 | OBL | | |
| 2. | | | | | | | | - | | |
| 3. | | | | | | - | | _ | | |
| 4. | | | | | | - | | | | |
| 5. | | | | | | - | | - | | |
| 6. | | | | | | - | | | | |
| 7. | | | | | | - | | _ | | |
| 8. | | | | | | | | •/ | | |
| Other species pres | sent: | | | | | | | | | |
| | | FACW, FACW-, FA | C+, FAC 100% | (more than 50% | require | ed) | | | | |
| Remarks: * = do | minant species | s per the 50/20 rule. 1 | 1 = 100% | (more man 50 70 | require |) | | | | |
| | | P ** *** *** * *** * *** * *** | 100/0 | | | | Vegetation Crite | ria Met? ⊠Yes □No | | |
| | | *** | | | | | , 18111111111111111 | | | |
| HYDROLOGY | | | | | | | | | | |
| Recorded data a | vailable? | ⊠ Yes □ N | No | Type(s): | 22 | | | | | |
| Is it the growing | | | No | - 3 F - (-). | | Wetland H | vdrology Indicators | | | |
| Is site inundated | | | No | Primary India | cators | | Secondary Indicator | s (2 required) | | |
| | | 700 | | Inundate | | | | Channels < 12in. bgs | | |
| Depth of surface | water: | N/A | | ☐ Saturated < 12 in. ☐ Survey Data | | | | | | |
| Depth to free wa | ter in pit: | N/A | | ☐ Water Marks ☐ Water Stained Leaves | | | | | | |
| Depth to saturate | ed soils: | <u>N/A</u> | | ☐ Drift Lines ☐ FAC-Neutral Test | | | | | | |
| | | | | ☐ Sediment | | | Other (Explain | in remarks) | | |
| | | | | ☐ Drainage Patterns | | | | | | |
| | | | | in wetlar | nds | | Hydrology Crite | ria Met? XYes No | | |
| Remarks: The cri | iteria were me | t | | | | | | | | |
| | | | | | | | | | | |
| SOILS: | | | | | Draina | age Class: | Excessively Dra | | | |
| | | ncy fine sands, 0-5% | slopes (176) | Somewhat Excessively Drained | | | | | | |
| (Series and Phase) | | | | | | | ☐ Well Drained | | | |
| Taxonomy (Subg | group): mesic | Typic Psammaquents | | | | | Moderately We | | | |
| | | <u></u> | _ | | | | Somewhat Poor | ly Drained | | |
| Field observation | ns confirm ma | apped soil type? 🛛 | Yes ∐No | | | | Poorly Drained | 10 10 | | |
| 121 1 <u>00</u> 10 100 10 494 | | | | | | | Very Poorly Dr. | ained | | |
| Profile Description | | γ | - | | | | | | | |
| Depth (inches) | <u>Horizon</u> | Matrix color | Mottle Color | Mottle A | | | Mottle Size | <u>Texture</u> | | |
| | | | | (few, comr | non, ma | ny) | (fine, med, coarse) | | | |
| 0-12" | - | 10 YR 4/1 | - | | - | | | sand | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | and the second s | | The second contract of | | | | | | | |
| Hydric Soil Indic | | | | | | | | | | |
| ** ** ** | cators | ☐ Histosol (-ists) | | Reducing Con | ditions | | Organic Streat | ding in Sandy Soils | | |
| 22, 21, 21, 21, 21, 21, 21, 21, 21, 21, | cators | ☐ Histosol (-ists) ☐ Histic Epipede | | Reducing Con | | ia Colors | Organic Streat Organic Pans | king in Sandy Soils | | |
| | cators | | | ☐ Gleyed or Low ☐ Mn or Fe Cone | Chron cretions | | Organic Pans | king in Sandy Soils I Hydric Soils List | | |
| | cator <u>s</u> | ☐ Histic Epipede | on (8-16") | ☐ Gleyed or Low | Chron cretions | | Organic Pans | l Hydric Soils List | | |
| | cators | ☐ Histic Epipede☐ Sulfidic Odor | on (8-16") | ☐ Gleyed or Low ☐ Mn or Fe Cone | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca | l Hydric Soils List | | |
| Remarks: | l cators | ☐ Histic Epipede☐ Sulfidic Odor | on (8-16") | ☐ Gleyed or Low ☐ Mn or Fe Conc ☐ High Organic | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca ☐ Other (explain | l Hydric Soils List in remarks) | | |
| | cators | ☐ Histic Epipede☐ Sulfidic Odor | on (8-16") | ☐ Gleyed or Low ☐ Mn or Fe Conc ☐ High Organic | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca ☐ Other (explain | l Hydric Soils List | | |
| | cators | ☐ Histic Epipede☐ Sulfidic Odor | on (8-16") | ☐ Gleyed or Low ☐ Mn or Fe Conc ☐ High Organic | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca ☐ Other (explain | l Hydric Soils List in remarks) | | |
| | | Histic Epipede Sulfidic Odor Aquic Moistur ON | on (8-16") re Regime | ☐ Gleyed or Low ☐ Mn or Fe Conc ☐ High Organic | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca ☐ Other (explain | l Hydric Soils List in remarks) | | |
| Remarks: | <u> FERMINATI</u> | Histic Epiped Sulfidic Odor Aquic Moistur ON | on (8-16") | ☐ Gleyed or Low ☐ Mn or Fe Conc ☐ High Organic | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca ☐ Other (explain | l Hydric Soils List in remarks) | | |
| Remarks: WETLAND DET Hydrophytic Veg | FERMINATI getation Dom | Histic Epipede Sulfidic Odor Aquic Moistur ON inant? Yes | on (8-16") re Regime | ☐ Gleyed or Low ☐ Mn or Fe Conc ☐ High Organic | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca ☐ Other (explain | l Hydric Soils List in remarks) | | |
| Remarks: WETLAND DET | FERMINATI getation Dome ogy Present? | Histic Epiped Sulfidic Odor Aquic Moistur ON | on (8-16") Te Regime | ☐ Gleyed or Low ☐ Mn or Fe Conc ☐ High Organic | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca ☐ Other (explain | l Hydric Soils List in remarks) | | |
| Remarks: WETLAND DET Hydrophytic Veg Wetland Hydrole | FERMINATI getation Dome ogy Present? ent? | Histic Epipede Sulfidic Odor Aquic Moistur ON inant? Yes Yes | on (8-16") re Regime No | ☐ Gleyed or Low ☐ Mn or Fe Conc ☐ High Organic | Chron cretions Content | | ☐ Organic Pans ☐ Listed on Loca ☐ Other (explain | l Hydric Soils List in remarks) | | |

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| Project Site: Potholes Reservoir | | | | | | Date: 11/28/07 | | | | | | | | |
|---|-----------------|-------------------|---|--------------------|---|--|---------|--|--------------------------------|---|--------------------|--------------|--------------------|--|
| Applicant/Owner | | | | | County/State: Grant County, WA | | | | | | | | | |
| | | ft north | of Berm 10 v | vetland flag 10-3N | | | | | | T19N R27E, ar | nd S31 | T19N R28F | 3 | |
| | | | | | | | | | | | | | | |
| Do normal circur | nstances exis | t at the si | te? | | | ⊠Yes | □N(| Plo | ot ID: | ГР-19ир | | | | |
| Is the site signific | antly disturb | ed (atypi | cal situation | 1)? | | □Yes | ⊠No | | | ty ID: | | | - | |
| Is the site a poten | | | | | | □Yes | ⊠No | | ansect | ID: | | | 12 100 100 100 100 | |
| • | | | | | | | | | | | | | | |
| VEGETATION (Strata: tree, sapling, shrub, woody vine, herb) Dominant Plant Species Common Name Scientifi | | | | | | | | Strata | 10 | % Cover | Indic | ator Status | | |
| small tumblewe | | | Sisymbrium | | | | | Herb | | 20 | | NI | | |
| Douglas rabbit | | | | mnus viscidiflorus | | | | Herb | | 15 | | NI | | |
| gray rabbitbrus | | | | mnus nauseosus | | | 97 | Herb | | 15 | | NI | | |
| 4. | | | | | | | | | | | | - | | |
| 5. | | | | | | | | - | | | | | | |
| 6. | | | | | | N=9 0 310 E0 00 00 00 00 00 00 00 00 00 00 00 00 | | | | 10 | | - | | |
| 7. | | | | | | | | - | | | | | | |
| 8. | | | | | 1.55 | | | - | | | | - | | |
| Other species pres | ent:Baregroun | d at 50%. | ** | | | | | | | | | | | |
| Other species present:Bareground at 50%. % of dominant species OBL, FACW, FAC+, FAC Remarks: * = dominant species per the 50/20 rule. 0/1 = 0% Vegetation Criteria Met? Vegetation Criteria Met? Vegetation Criteria Met? | | | | | | | | | | es ⊠No | | | | |
| | | | | | | | | | | | | | | |
| HYDROLOGY Recorded data av Is it the growing Is site inundated? Depth of surface | season? ? | ⊠ Y □ Y □ Y | es 🛭 N es 🖾 N | 0 | | Type(s): Primary Ind Inundat Saturate | ed | 100 | | rology Indicator condary Indicat Oxidized Roo Local Soil Sur | ors (2) t Chan | nels < 12in | . bgs | |
| Depth of surface | | N/A | | | | | | 111. | Ħ | Water Stained | | | | |
| Depth to free water | | N/A | | | ☐ Water Marks ☐ Water Stained Leaves ☐ Drift Lines ☐ FAC-Neutral Test | | | | | | | | | |
| Depth to saturate | 301131 | 1.44.1 | | | | Sedimen | | sits | 百 | Other (Explai | | marks) | 1 | |
| | | | | | | ☐ Drainage Patterns | | | | | | | | |
| | | | | | | in wetla | | | | Hydrology Cr | iteria N | Met? Ne | es 🖾 No | |
| Remarks: The cr | iteria were not | met. | | | | | | | | | | | | |
| | | | | | | | | | | | *** | | | |
| SOILS: | | | | | Drainage Class: Excessively Drained | | | | | | | | | |
| Map Unit Name: | | ncy fine s | ands, 0-5% s | lopes (176) | Somewhat Excessively Drained | | | | | | | | | |
| (Series and Phase) | | 1227 0 220 | | | | | | | 닏 | Well Drained | | | | |
| Taxonomy (Subgr | roup): mesic | Typic Psa | <u>ımmaquents</u> | | | | | | 님 | Moderately W | | | | |
| 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | - | | | 7 N/N/. | | | | | 片 | Somewhat Po | | rained | | |
| Field observation | is confirm ma | ippea soii | туре: | res 🖾 No | | | | | \boxtimes | Very Poorly I | | a | | |
| Profile Description | an . | | | | | | | | Ш | very roomy L | , andet | • | | |
| Depth (inches) | Horizon | Mate | ix color | Mottle Color | T | Mottle A | Abunda | nce | | Mottle Size | | Textu | ire | |
| Deptil (Inches) | HUITZUII | Matt | JA COIUI | Mottic Color | 1 | (few, com | | | 1 | fine, med, coars | se) | ICALL | | |
| 0-12" | | 10.3 | YR 3/3 | | † | (-211, 2011 | | | | - | | sano | d | |
| | | | | | | | | | | | | | | |
| | | | | | | | | 1.1.11 | | | | | | |
| | 200 | | | | | 3.000 | | ************************************** | | | | | | |
| Hydric Soil Indic | ator <u>s</u> | ☐ His | stosol (-ists) stic Epipedo lfidic Odor | | | Reducing Con Gleyed or Lo Mn or Fe Con High Organic | w Chro | oma Colors ns | | Organic Pan Listed on Lo | s cal Hy | dric Soils I | | |
| | | ⊔ Aq | uic Moistur | e regime | Ц | Layer of San | | | _ | J Other (expla | [] | cinai noj | | |
| Remarks: The cri | teria were not | met | | | | Dayer or San | ay bull | 3 | | | | | | |
| ACHIALKS: THE CIT | ioria were mot | met. | | | | | | | | Soils Cr | iteria | Met? □Y | es ⊠No | |
| | | | | | | 4 | | | | 50115 C1 | | <u> </u> | -> 110 | |
| WETLAND DET | TERMINATI | ON | | | ~ | | | | | | | | | |
| Hydrophytic Veg | etation Dom | inant? | □Yes | ⊠No | | | | | | | | | | |
| Wetland Hydrolo | | | □Yes | ⊠No | | | | | | | | | | |
| Hydric Soil Pres | | | Yes | ⊠No | | | | | | | | | | |
| Remarks: The we | | were not r | | | | | | | | | | | 98007F00 | |
| | | | | | | | | Is test p | Is test plot within a wetland? | | | | | |

Name: T. Dennis and M. McGraw

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| Project Site: Pot | | | Date: 11/28/07 | | | | | | | | | | |
|--------------------------|---------------------------------------|---------------|-----------------------------|---|-------------|--|----------|--------|------------|--|--|-----------------|-------------------|
| Applicant/Owner: WDFW | | | | | | County/State: Grant County, WA | | | | | | | |
| | | A couther | at of Darma 1 | 0 wetland flag 10-3N | T | | | | | O TION DOTE | 1.001.710 | NI DOOF | |
| Test Flot Locatio | JII: UIII A 3 | n soumea | st of Berm 1 | o welland flag 10-3r | <u> </u> | Sec/Town/Ra | inge: | 51 118 | N R2/E, S | 36 T19N R27E, ar | id S31 T19 | N R28E | |
| D 1: | | | | | | [EZ | | | | | | | |
| Do normal circui | | | | | | ⊠Yes | □ No | | | : TP-20wet | | | |
| Is the site signific | | | cal situation | 1)? | | □Yes | ⊠No | | | ınity ID: | | | |
| Is the site a poter | itial problem | area? | | | | ∐Yes | ⊠No | 0 | Transe | ct ID: | | | |
| | | | | | | | | | | 12 27/20 | | | |
| VEGETATION | | sapling, | shrub, wood | ly vine, herb) | 37,379 | | | | | | | | |
| Dominant Plant | Species | | | | | | | | | | | | |
| Comn | non Name | 540-140-1 | | Scientific | Nam | e | | S | Strata | % Cover | Indicato | r Status | |
| 1. hardstem bulru | sh* | | Schoenopl | ectus acutus | | | | | Herb | 90 | | OBL | |
| 2. cattail | | | Typha lati | | | | | | Herb | 10 | | OBL | |
| 3. | | | 71 | | | **** | | | - | 10 | | | - |
| 4. | | | - | | | | | | _ | 100000000000000000000000000000000000000 | | | - |
| 5. | | | | | | | | | | | | | |
| 6. | | | | | _ | | | | • | | | 160 | |
| | | | | | | | | | - | - | | | |
| 7. | · · · · · · · · · · · · · · · · · · · | | | | | | | 4 | - | | | (=) | |
| 8. | | | | | | | | | | | | - | |
| Other species pres | | | | | | | | | | | | | |
| % of dominant sp | | | | | | (more than 50% | 6 requi | red) | | | | | |
| Remarks: * = dor | ninant species | per the 50 | 0/20 rule. 1/ | 1 = 100% | | | | | | | | | -0500 |
| | | | | - 0.00000000000000000000000000000000000 | | | | | | Vegetation Cri | iteria Met | ? ⊠Yes [| □No |
| | | | | | | | | | | | | | |
| HYDROLOGY | | | 31.10.00 MATERIAL PROPERTY. | | | | | | | | | | |
| Recorded data av | ailable? | $\boxtimes Y$ | es 🗌 N | 0 | | Type(s): | | | | | | | |
| Is it the growing | | \Box Y | 1000 Daniel 1999 | | | - 3 - (-) | | w | etland Hy | drology Indicator | ·c | | |
| Is site inundated? | | \Box Y | | | | Primary Indi | cators | | | Secondary Indicat | | nired) | |
| as one manuaccu | • | ш - | | | | ☐ Inundate | | | ř | Oxidized Root | Channel | < 12in has | |
| Depth of surface | water: | N/A | | | | Saturate | | in | ř | Local Soil Sur | | , < 12iii. bgs | , |
| Depth to free wat | | N/A | | | | | | 111. | - | | | | - 1 |
| Depth to rece was | | N/A | | | | □ Water Marks □ Drift Lines □ FAC-Neutral Test | | | | | | | |
| Deptil to saturate | u sons. | INA | | | | | | oito | , L | | | utra\ | |
| | | | | | | ☐ Sediment Deposits ☐ Other (Explain in remarks) ☐ Drainage Patterns | | | | | | | |
| | | | | | | ☐ Drainage Patterns in wetlands Hydrology Criteria Met? ☐ Yes ☐ N | | | | | | | 7 |
| D The said | | ì | | | | in wetta | nas | | | Hydrology Cri | teria Met | ? ⊠Yes ∟ | |
| Remarks: The cri | teria were mei | ·· | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| SOILS: | | | 20 720002020 | | | Drainage Class: Excessively Drained | | | | | | | |
| Map Unit Name: | | ncy fine sa | ınds, 0-5% s | lopes (176) | | Somewhat Excessively Drained | | | | | | rained | |
| (Series and Phase) | | | | | | | | | | ☐ Well Drained | | | |
| Taxonomy (Subgi | roup): mesic | Typic Psa | mmaquents | | | | | | | ☐ Moderately W | ell Draine | :d | |
| | | | | | | | | | | Somewhat Poo | orly Drain | ed | - 1 |
| Field observation | s confirm ma | pped soil | type? XY | es No | | | | | | Poorly Draine | ď | | |
| | | | — | | | | | | Ī | Very Poorly D | | | - 1 |
| Profile Description | n | | | | | | | | - | — sussessi v oletti ette titat tita | y, v, yan 1977 (19 | | |
| Depth (inches) | Horizon | Matr | ix color | Mottle Color | | Mottle A | bunda | nce | | Mottle Size | | Texture | |
| | | | | | | (few, com | | | | (fine, med, coars | e) | | |
| 0-12" | - | 10.3 | /R 4/1 | - | - | (1011) con | - | ,,,, | | (inic) incu, comis | ' | sand | |
| 0-12 | | 101 | 18 7/1 | | | | | | | | | ouilu | |
| | | | | | - | | | | | | | | |
| 14.00 | | | | | - | | - | | | | | | |
| | | | | | <u></u> | | | | | | | | \longrightarrow |
| Hydric Soil Indic | <u>ators</u> | | tosol (-ists) | | Ш | Reducing Cor | | | | Organic Stre | aking in S | andy Soils | į |
| | | | tic Epipedo | n (8-16") | \boxtimes | Gleyed or Lov | v Chro | ma Co | lors | Organic Pan | | | |
| | | ☐ Sul | fidic Odor | | | Mn or Fe Con | cretion | ns | | ∠ Listed on Loc | cal Hydric | : Soils List | ž. |
| | | Aqı | iic Moistur | e Regime | | High Organic | Conte | nt in | | Other (explain | in in rema | rks) | |
| | | | | 19 5 5 | | Layer of Sand | ly Soils | S | | | | 55 | |
| Remarks: The crit | teria were met | | | | | | | | | | | | |
| Soils Criteria Met? ⊠Yes | | | | | | | | | ? ⊠Yes [| □No | | | |
| | 311 - 3710 | | | | | | | | | | | | |
| WETLAND DET | ERMINATION | ON | | | | | 5 5 C | | | * | | - 1991 91 10 | 100 |
| Hydrophytic Veg | etation Domi | nant? | ⊠Yes | □No | | | | | | | | | |
| | | | | | | | | | | | | | |
| Wetland Hydrold | | | ⊠Yes ⊠Vaa | □No □No | | | | | | | | | |
| Hydric Soil Prese | | | ⊠Yes | □No | | | | | | | | | |
| Kemarks: The we | tland criteria | were met. | | | | | | | | | ⊠ı | . – |]No |
| - | | | | | | | | le f | est nint w | ithin a wetland? | IXI | (00 | INO |

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| Project Site: Poth | noles Reservoi | | Date: 11/28/07 | | | | | | | | | |
|--|----------------|---|---|-------|--|----------------------------|--------------------------|------------------------|--|-----------------|-------------|--------------|
| Applicant/Owner | | <u> </u> | | | County/State: Grant County, WA | | | | | | | |
| | | ft north of Berm 11 v | etland flag | | | | | | 6 T19N R27E, ar | nd S31 T1 | 9N R28E | |
| · | | | | | | | | | , | | | |
| Do normal circui | nstances exis | t at the site? | C WARRISH ON THE STREET TO SERVER. | | ⊠Yes | □No | | Plot ID: | TP-21wet | | | |
| Is the site signific | antly disturb | ed (atypical situatio | n)? | | □Yes | ⊠No | | Commu | nity ID: | | | 05-1881 17-1 |
| Is the site a poten | | | | | □Yes | ⊠No | | Transec | | | | |
| | | | | | | | | | | | | |
| Dominant Plant S | | sapling, shrub, woo | dy vine, herb) Scientific | Name | | | Stra | nta | % Cover | Indicat | or Status | |
| hardstem bulru | | Schoenon | lectus acutus | Manie | | | He | | 100 | indicat | OBL | |
| 2. | 311 | Велоснор | iecius ucuius | | | | - | | 100 | 150748 | - OBL | |
| 3. | | | | | ** | | - | - | | | | |
| 4. | | | | | | | - | | | | - | |
| 5. | | | | | | | | | | | | |
| 6. | | | | | | - 3526 | | | | 100 to 1 | | |
| 7. | | | | | | | | | | | | |
| | | | | | | | _ | - | | | 2.0 | |
| 8. | | | | | | | | | | | - | - |
| Other species present: % of dominant species OBL, FACW, FACW-, FAC+, FAC Remarks: * = dominant species per the 50/20 rule. 1/1 = 100% Vegetation Criteria Met? Vegetation Criteria Met? | | | | | | | | | | | | |
| | | | | | | | | | ***** | | | |
| HYDROLOGY Recorded data available? Is it the growing season? Is site inundated? Depth of surface water: Depth to free water in pit: Depth to saturated soils: Depth to saturated soils: N/A Depth to saturated soils: Depth to satur | | | | | | | | | | | | |
| (Series and Phase) | | ncy fine sands, 0-5% | siopes (170) | | | | | F | Somewhat Ex Well Drained | | Drameu | |
| | | Typic Psammaquents | · | | | | | F | Moderately V | | ned | |
| resolution, (odob. | .сир). періс | 1,1910 1 34111111111111111111111111111111111 | 1 | | | | | Ē | | | | |
| Field observation | s confirm ma | pped soil type? 🛛 | Yes No | | | | | $\overline{\boxtimes}$ | | | | |
| | | • | 10,000,000,000,000,000,000,000,000,000, | | | | | | Very Poorly I | | | |
| Profile Description | on | | | | | | | | - | | | |
| Depth (inches) | Horizon | Matrix color | Mottle Color | T | Mottle A | bunda | ınce | | Mottle Size | | Textur | <u>e</u> |
| | | | | | (few, com | | | | (fine, med, coars | se) | | |
| 0-12" | - | 10 YR 4/1 | - | | | • | | | - | | sand | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | ES ID VALUE | | | | |
| Hydric Soil Indic | ators | Histosol (-ists) Histic Epiped Sulfidic Odor Aquic Moistu | on (8-16'') | | Reducing Con Gleyed or Lov Mn or Fe Con High Organic Layer of Sanc | v Chro cretion Conte | oma Color ns nt in | s [| Organic Stro Organic Par Listed on Lo Other (expla | is ocal Hydr | ic Soils Li | |
| Remarks: The cri | teria were met | • | | | | | | | 59x 1 a 69 | 2 | | _ |
| | | 4 39 40 50 30 50 50 | | | | | | | Soils Cı | riteria M | et? ⊠Ye | s LNo |
| 17 | | | | | | | | | | | | |
| WETLAND DET | | | | | | | | | | | | |
| Hydrophytic Veg | getation Domi | | □No | | | | | | | | | 1 |
| Wetland Hydrolo | ogy Present? | ⊠Yes | □No | | | | | | | | | |
| Hydric Soil Present? | | | | | | | | | | | | |
| Remarks: The we | tland criteria | were met. | | | | | | | 41 | K-7 | 1 | |
| | | | | | | | is tes | piot wi | thin a wetland? | × | Yes | □No |

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