### 1. Risk Component

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### 2. Hydrocarbon Volume Component

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### 4. Play Totals

- **Risked Mean volumes**
- **Volumes given Geological Success in Play**
Area/Region: Windsor - Kennetcook Basin Nova Scotia
Play Name: Lower Horton Bluff Sandstone
Play Type: Tight sandstone
Estimator Name: PRCL team

1. Risk Component

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<tr>
<th>Risk Factors</th>
<th>Play Risk</th>
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2. Hydrocarbon Volume Component

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Note for parameter estimates; Calculations Require Low < Best < High

3. Yield Component

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4. Play Totals

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<td>Marketable Gas (109sm3)</td>
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### 1. Risk Component

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<th>Play Risk</th>
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### 2. Hydrocarbon Volume Component

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### Notes for parameter estimates:
Calculations Require Low < Best < High
**Area/Region:** Windsor - Kennetcook Basin  Nova Scotia  
**Play Name:** Macumber Fm (Gays River equiv.) – basal Windsor  
**Play Type:** Carbonate banks & shoals - stratigraphic traps  
**Estimator Name:** PRCL team  

### 1. Risk Component

**Risk Factors**  
- Play risk: 0.99  
- Source Rock: 0.95  
- Charge: 0.90  
- Migration: 0.90  
- Reservoir Rock: 0.60  
- Trap/Closure: 0.95  
- Seal/Containment: 0.95  

**Probability of Geological Success (P_g):** 0.42

### 2. Hydrocarbon Volume Component

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### 3. Yield Component

**Volumes given Geological Success in Play**

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<td>6.00</td>
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### 4. Play Totals

**Risked Mean volumes**

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<td>Marketable Gas (Fraction of Raw)</td>
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<td>0.86</td>
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**Note for parameter estimates:** Calculations Require Low < Best < High
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**Probability of Geological Success (P₀):** 0.42

### 2. Hydrocarbon Volume Component

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### 3. Yield Component

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### 4. Play Totals

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### Footnotes

- **Note for parameter estimates:** Calculations Require Low < Best < High
- **Appended:** Windsor - Kennetcook Basin Nova Scotia
**Risk Component**

**Risk Factors**

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**Risk Component**

**Probability of Geological Success (P_g)**

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**Hydrocarbon Volume Component**

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<td>Reservoir overpressuring (x hydrostatic)</td>
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<tr>
<td>Reservoir Pressure (kPa)</td>
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<tr>
<td>Reservoir Temperature (°C)</td>
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<td>Yield: Recoverable Oil (stm3/m3)</td>
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<td>Gas Liquids Yield (stm3/Sm3)</td>
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**Yield Component**

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**Play Totals**

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Note for parameter estimates:
Calculations Require Low < Best < High
### 1. Risk Component

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### 2. Hydrocarbon Volume Component

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<td>Tested Play Area (sqkm)</td>
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<td>Reservoir overpressuring ( x hydrostatic)</td>
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<td>0.97</td>
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<td>Average Net Pay (m)</td>
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<td>0.060</td>
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<td>0.002</td>
<td>0.005</td>
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<td>0.85</td>
<td>0.45</td>
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<td>Gas Liquids Yield (stm3/e6sm3)</td>
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<td>20</td>
<td>30</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>10</td>
<td>20</td>
<td>30</td>
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<td>20</td>
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<td>20</td>
<td>30</td>
<td>10</td>
<td>20</td>
<td>30</td>
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<tr>
<td>Gas to BOE Conversion (Mscf/BOE)</td>
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<tr>
<td>Surface Loss (Fuel gas, etc...)</td>
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<td>--</td>
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### Free Gas Parameters

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<th>High</th>
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<td>Initial Gas Compressibility “Z” uncertainty</td>
<td>0.95</td>
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<td>Total Organic content (TOC, % wt)</td>
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<td>Ratio Langmuir volume /TOC (sm3/tonne)</td>
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<td>3.0</td>
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<tr>
<td>Langmuir Pressure (MPa)</td>
<td>2.4</td>
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<td>Adsorbed gas saturation (fraction)</td>
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<td>Solution GOR (ksm3/stm3)</td>
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<td>Oil Formation Volume Factor</td>
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<td>Oil Recovery Factor</td>
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<td>Gas Recovery Factor</td>
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### 3. Yield Component

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<tr>
<td>Gas Liquids Yield (stm3/e6sm3)</td>
<td>10</td>
<td>20</td>
<td>30</td>
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<tr>
<td>Gas to BOE Conversion (Mscf/BOE)</td>
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<td>--</td>
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<tr>
<td>Surface Loss (Fuel gas, etc...)</td>
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<tr>
<td>Play Risk</td>
<td>Risked Liquids volume e6stm³</td>
<td>OIP+CIIP given success</td>
<td>Risked Gas Volume e9sm³</td>
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<tr>
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<td>Bscf</td>
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<tr>
<td>Horton Bluff Shale</td>
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<tr>
<td>Lower Horton Bluff Sandstone</td>
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<tr>
<td>Upper Windsor Group – clastics and carbonate</td>
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<td>Macumber Fm (Gays River equiv.) – basal Windsor</td>
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<td>Upper Horton Cheverie Fm</td>
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<tr>
<td>Glass sand (top of Horton Bluff Fm)</td>
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