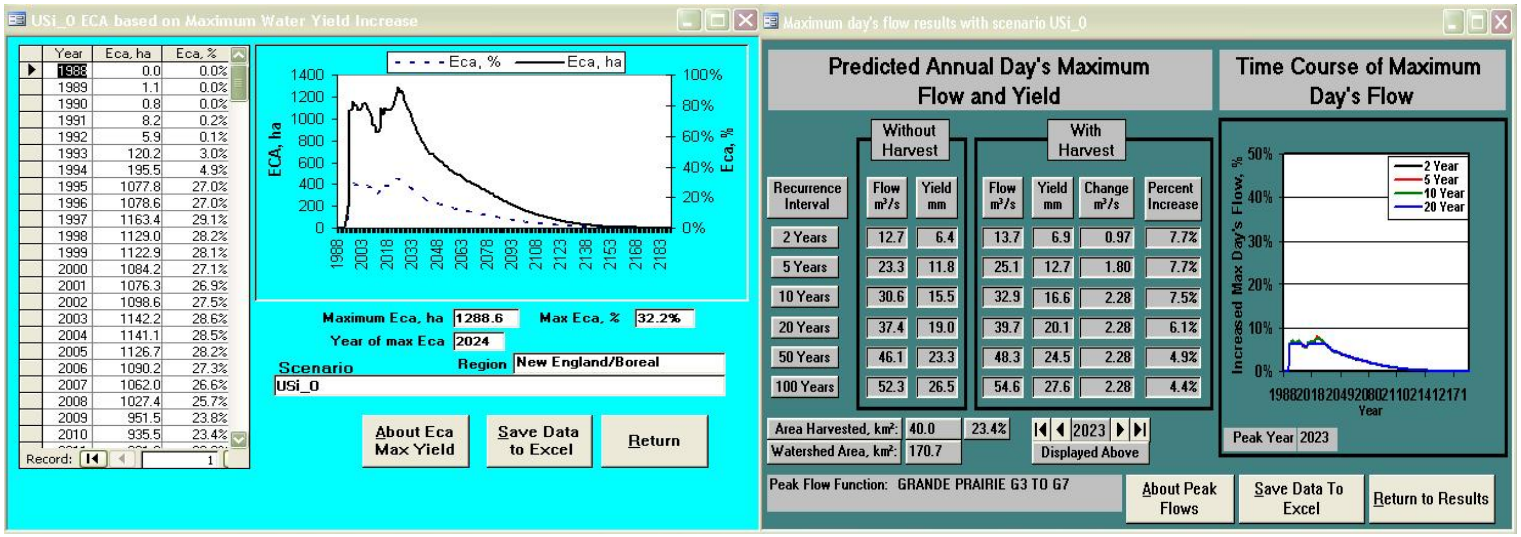
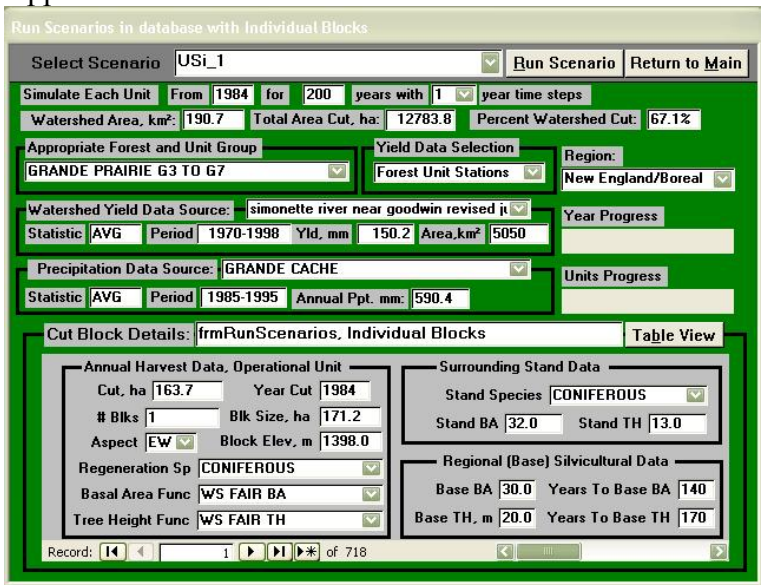
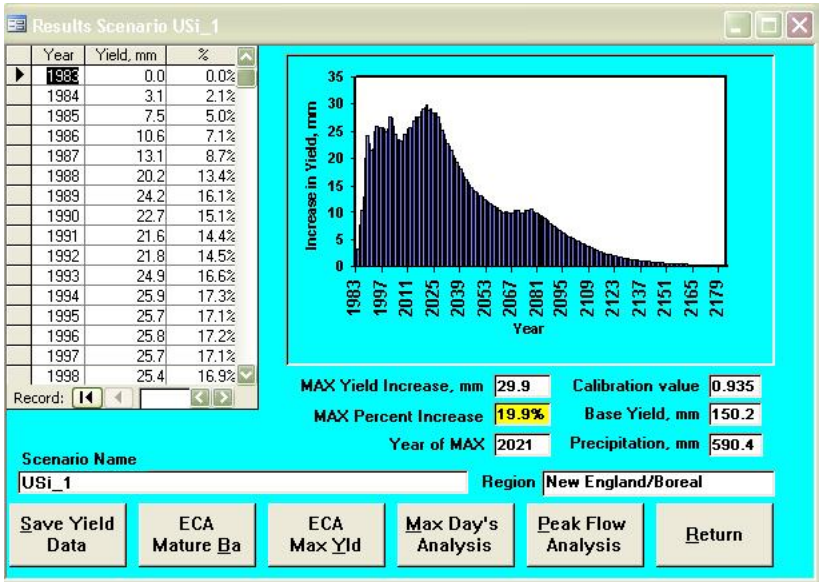
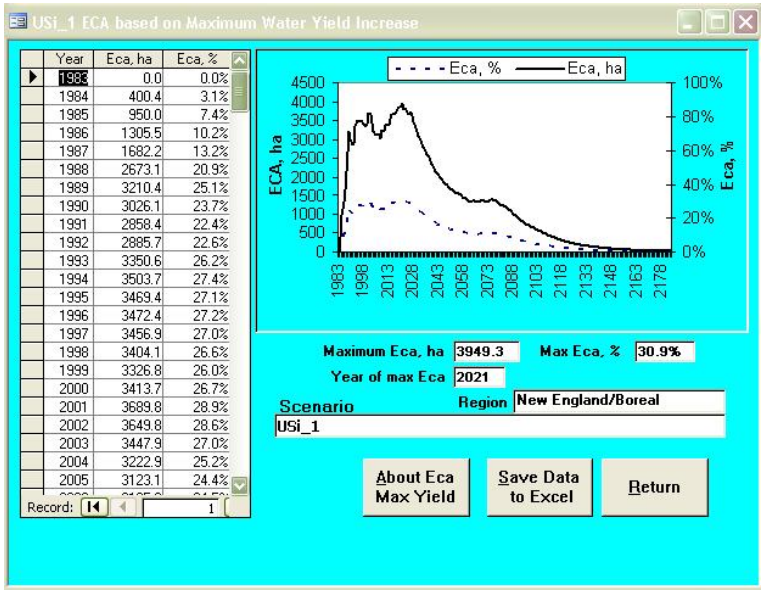
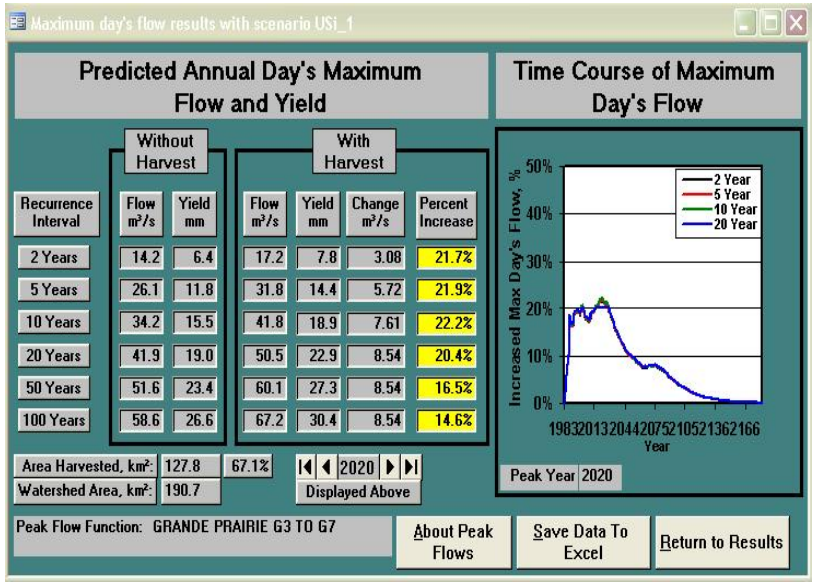

USi_0 ECA based on Maximum Water Yield Increase
Year
Eca, ha
Eca, %
1988 0.0 0.0%
1989 1.1 0.0%
1990 0.8 0.0%
1991 8.2 0.2%
1992 5.9 0.1%
1993 120.2 3.0%
1994 195.5 4.9%
1995 1077.8 27.0%
1996 1078.6 27.0%
1997 1163.4 29.1%
1998 1129.0 28.2%
1999 1122.9 28.1%
2000 1084.2 27.1%
2001 1076.3 26.9%
2002 1098.6 27.5%
2003 1142.2 28.6%
2004 1141.1 28.5%
2005 1126.7 28.2%
2006 1090.2 27.3%
2007 1062.0 26.6%
2008 1027.4 25.7%
2009 951.5 23.8%
2010 935.5 23.4%
Record: 1
Eca, % Eca, ha
ECA, ha
Eca, %
1400 1200 1000 800 600 400 200 0
100% 80% 60% 40% 20% 0%
1988 2003 2018 2033 2048 2063 2078 2093 2108 2123 2138 2153 2168 2183
Maximum Eca, ha 1288.6
Max Eca, % 32.2%
Year of max Eca 2024
Scenario
Region New England/Boreal
USi_0
About Eca Max Yield
Save Data to Excel
Return
Maximum day's flow results with scenario USi_0
Predicted Annual Day's Maximum Flow and Yield
Without Harvest
With Harvest
Recurrence Interval
Flow m³/s
Yield mm
Flow m³/s
Yield mm
Change m³/s
Percent Increase
2 Years 12.7 6.4 13.7 6.9 0.97 7.7%
5 Years 23.3 11.8 25.1 12.7 1.80 7.7%
10 Years 30.6 15.5 32.9 16.6 2.28 7.5%
20 Years 37.4 19.0 39.7 20.1 2.28 6.1%
50 Years 46.1 23.3 48.3 24.5 2.28 4.9%
100 Years 52.3 26.5 54.6 27.6 2.28 4.4%
Area Harvested, km²: 40.0 23.4%
Watershed Area, km²: 170.7
2023
Displayed Above
Peak Flow Function: GRANDE PRAIRIE G3 TO G7
About Peak Flows
Save Data To Excel
Return to Results
Time Course of Maximum Day's Flow
Increased Max Day's Flow, %
50% 40% 30% 20% 10% 0%
2 Year
5 Year
10 Year
20 Year
1988 2018 2049 2080 2110 2141 2171
Year
Peak Year 2023

Upper Simonette 1

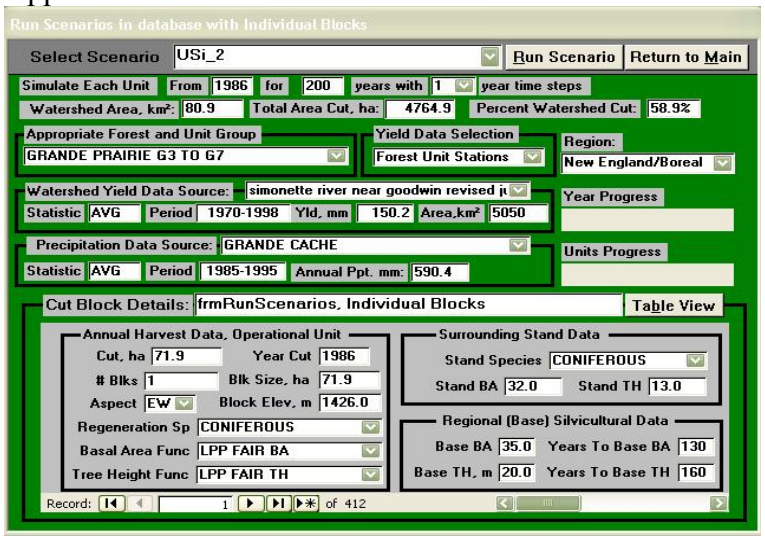


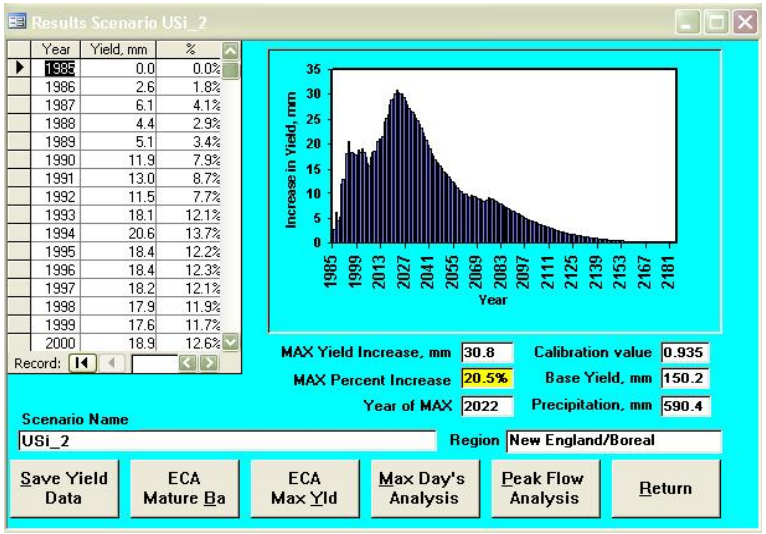


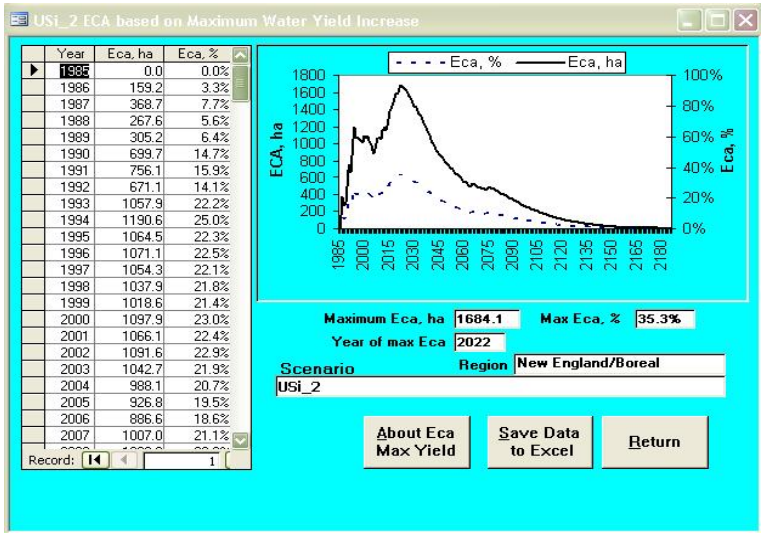


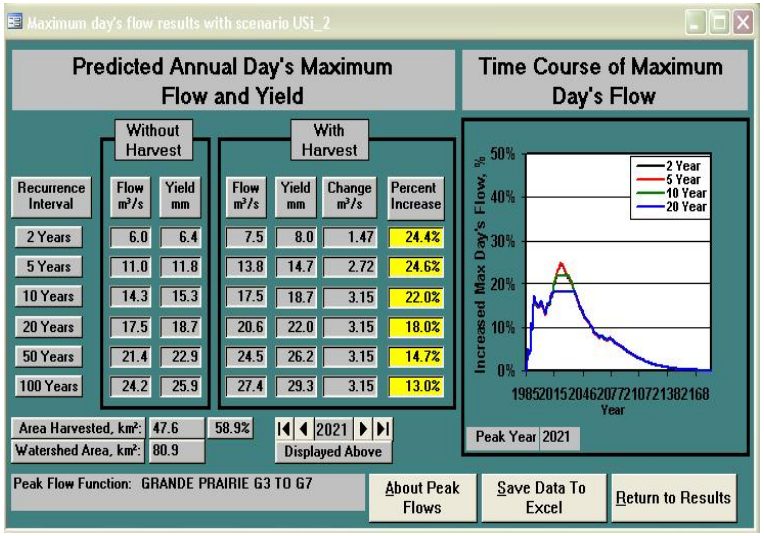


Upper Simonette 2

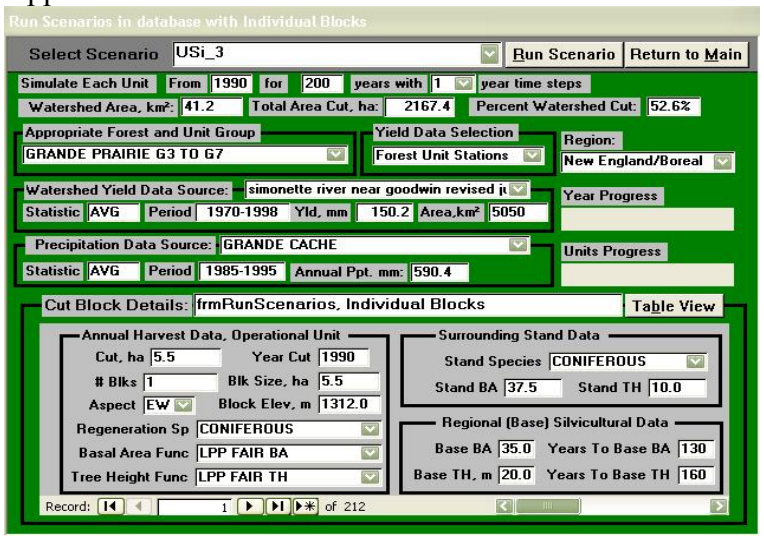


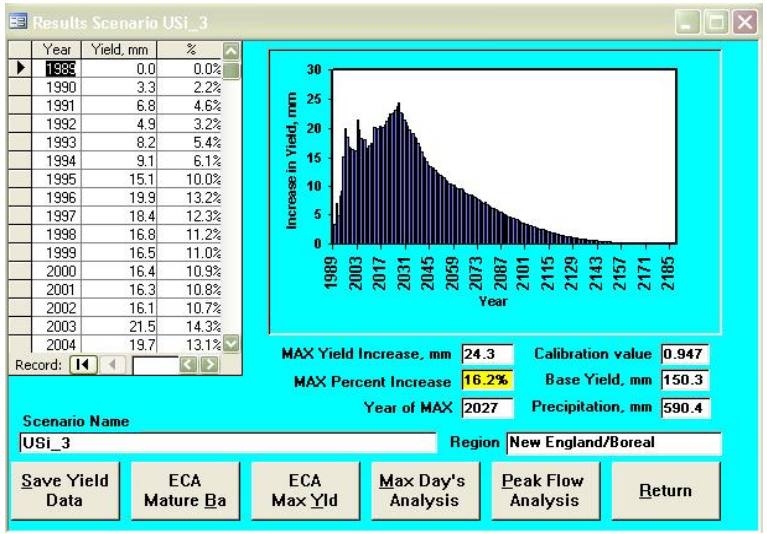


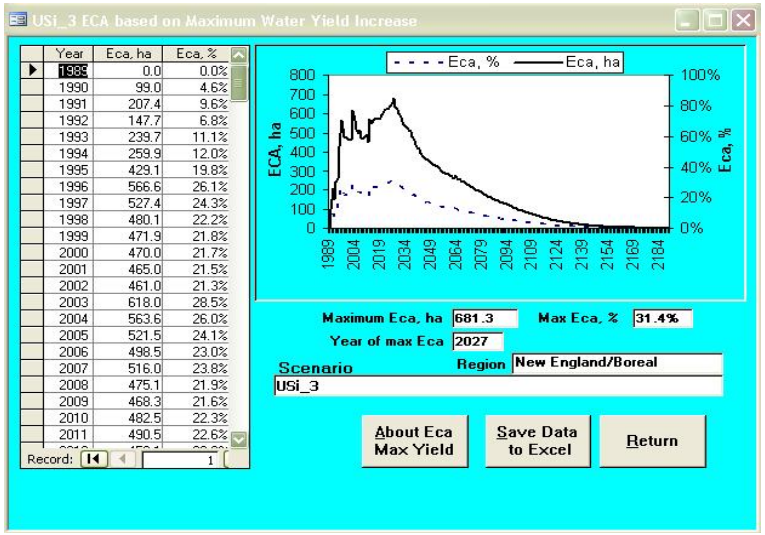


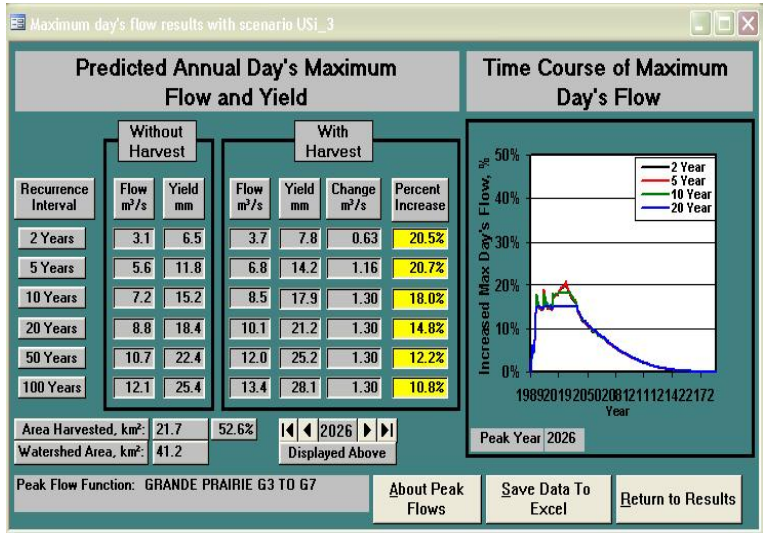


Upper Simonette 3

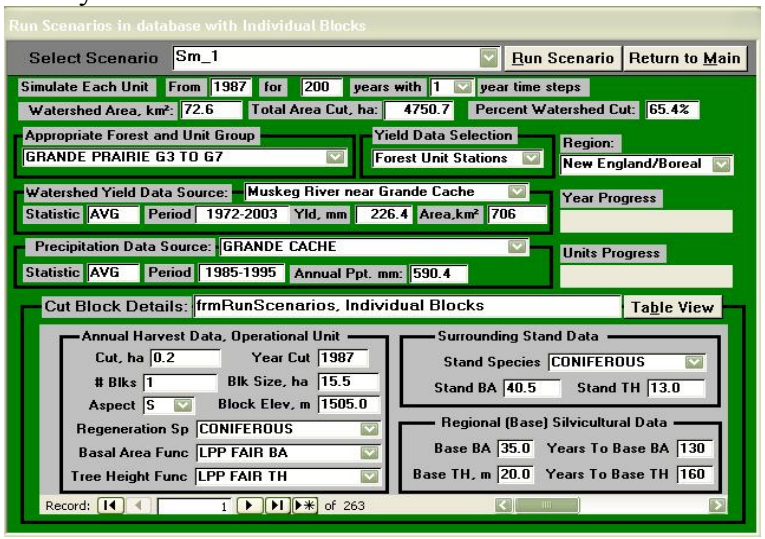


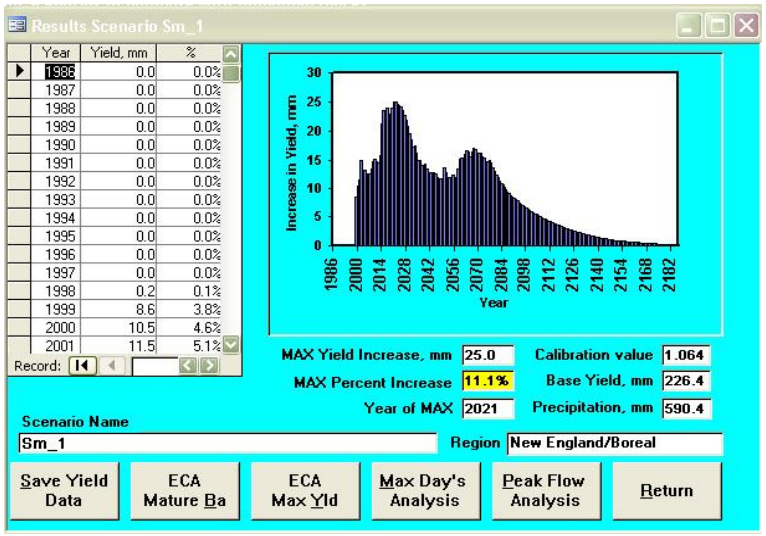


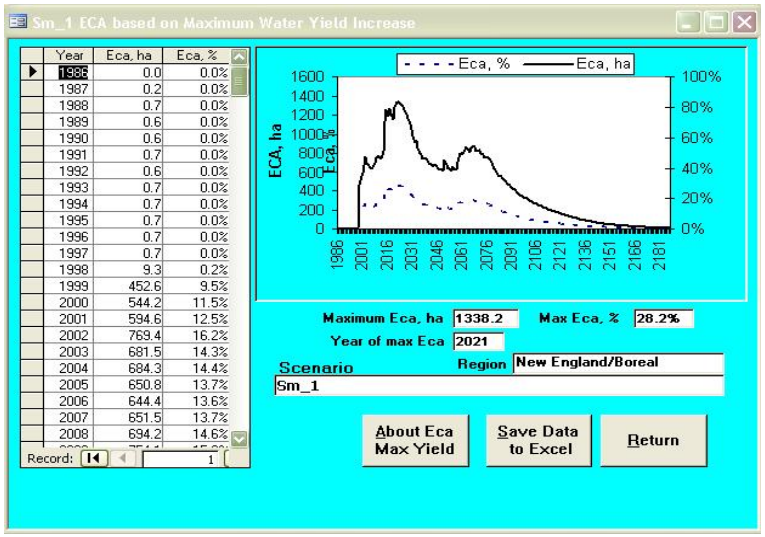


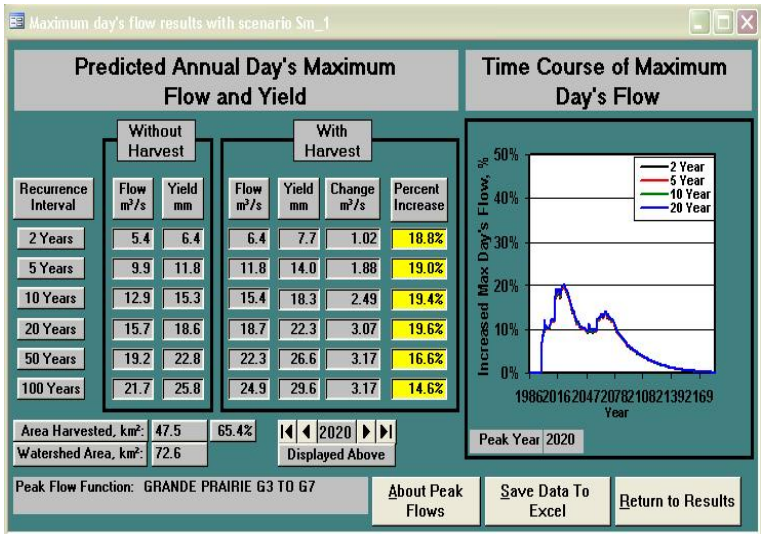


Smoky 1

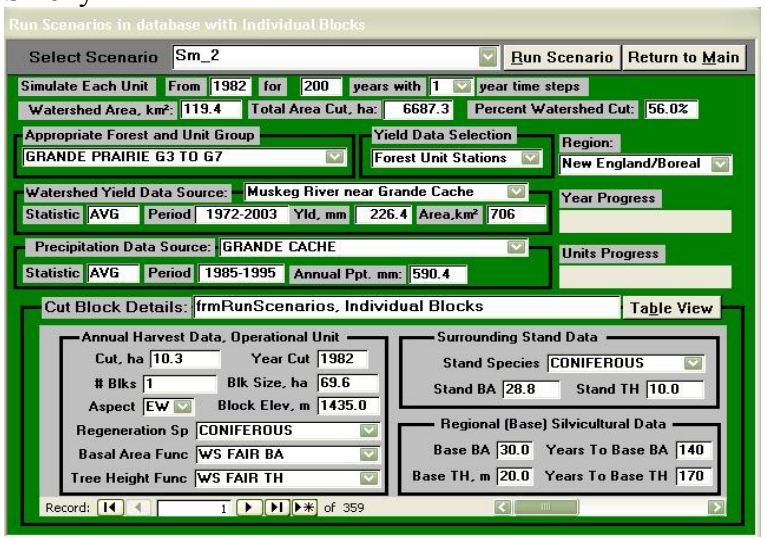

Run Scenarios in database with Individual Blocks
Select Scenario
Sm_1
Run Scenario
Return to Main
Simulate Each Unit
From 1987 for 200 years with 1 year time steps
Watershed Area, km²: 72.6
Total Area Cut, ha: 4750.7
Percent Watershed Cut: 65.4%
Appropriate Forest and Unit Group
GRANDE PRAIRIE G3 TO G7
Yield Data Selection
Forest Unit Stations
Region:
New England/Boreal
Watershed Yield Data Source:
Muskeg River near Grande Cache
Statistic AVG Period 1972-2003 Yld, mm 226.4 Area,km² 706
Year Progress
Precipitation Data Source:
GRANDE CACHE
Statistic AVG Period 1985-1995 Annual Ppt. mm: 590.4
Units Progress
Cut Block Details:
frmRunScenarios, Individual Blocks
Table View
Annual Harvest Data, Operational Unit
Cut, ha 0.2 Year Cut 1987
Blks 1 Blk Size, ha 15.5
Aspect S Block Elev, m 1505.0
Regeneration Sp CONIFEROUS
Basal Area Func LPP FAIR BA
Tree Height Func LPP FAIR TH
Surrounding Stand Data
Stand Species CONIFEROUS
Stand BA 40.5 Stand TH 13.0
Regional (Base) Silvicultural Data
Base BA 35.0 Years To Base BA 130
Base TH, m 20.0 Years To Base TH 160
Record: 1 of 263

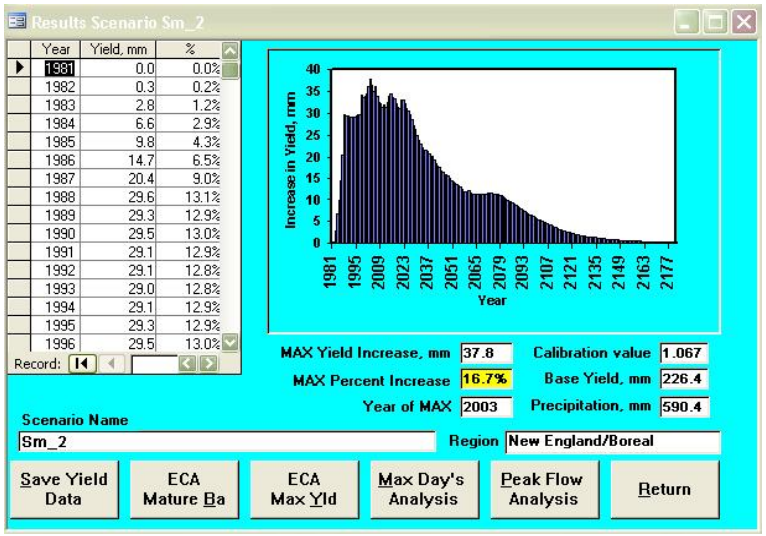

Results Scenario Sm_1
Year Yield, mm %
1986 0.0 0.0%
1987 0.0 0.0%
1988 0.0 0.0%
1989 0.0 0.0%
1990 0.0 0.0%
1991 0.0 0.0%
1992 0.0 0.0%
1993 0.0 0.0%
1994 0.0 0.0%
1995 0.0 0.0%
1996 0.0 0.0%
1997 0.0 0.0%
1998 0.2 0.1%
1999 8.6 3.8%
2000 10.5 4.6%
2001 11.5 5.1%
Increase in Yield, mm
Year
MAX Yield Increase, mm 25.0
MAX Percent Increase 11.1%
Year of MAX 2021
Calibration value 1.064
Base Yield, mm 226.4
Precipitation, mm 590.4
Scenario Name
Sm_1
Region New England/Boreal
Save Yield Data
ECA Mature Ba
ECA Max Yld
Max Day's Analysis
Peak Flow Analysis
Return

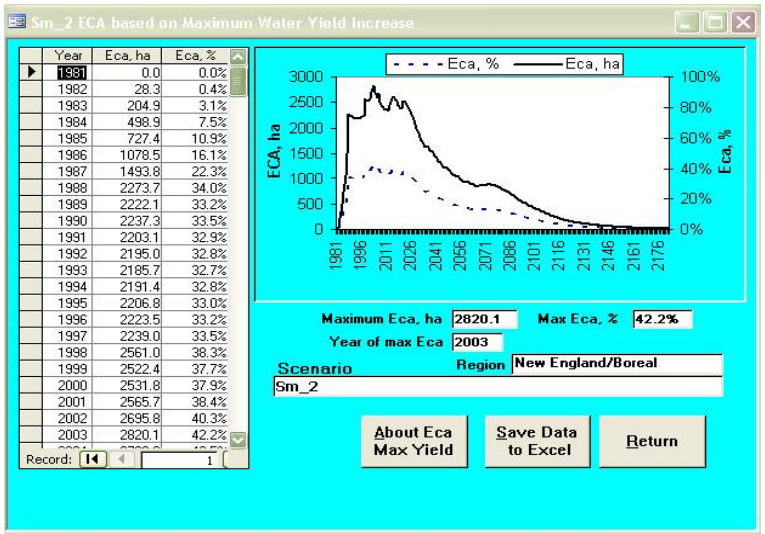

Sm_1 ECA based on Maximum Water Yield Increase
Year Eca, ha Eca, %
1986 0.0 0.0%
1987 0.2 0.0%
1988 0.7 0.0%
1989 0.6 0.0%
1990 0.6 0.0%
1991 0.7 0.0%
1992 0.6 0.0%
1993 0.7 0.0%
1994 0.7 0.0%
1995 0.7 0.0%
1996 0.7 0.0%
1997 0.7 0.0%
1998 9.3 0.2%
1999 452.6 9.5%
2000 544.2 11.5%
2001 594.6 12.5%
2002 769.4 16.2%
2003 681.5 14.3%
2004 684.3 14.4%
2005 650.8 13.7%
2006 644.4 13.6%
2007 651.5 13.7%
2008 694.2 14.6%
Eca, %
Eca, ha
ECA, ha
Maximum Eca, ha 1338.2
Max Eca, % 28.2%
Year of max Eca 2021
Scenario
Sm_1
Region New England/Boreal
About Eca Max Yield
Save Data to Excel
Return

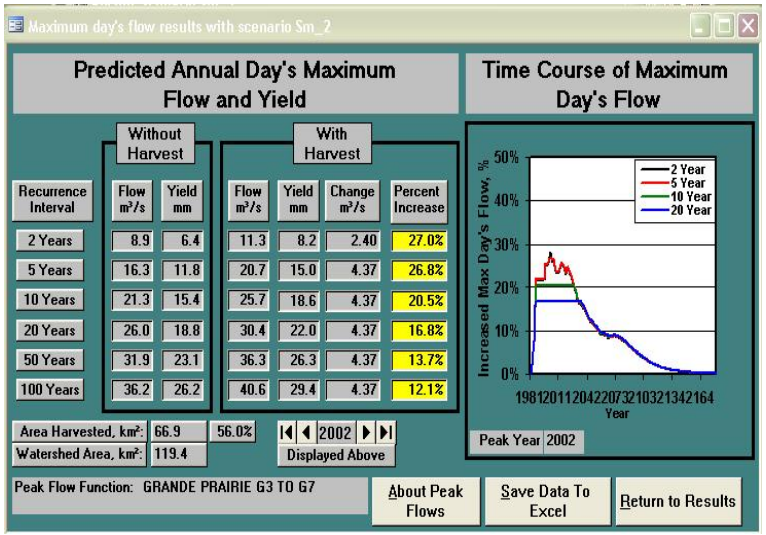

Maximum day's flow results with scenario Sm_1
Predicted Annual Day's Maximum Flow and Yield
Time Course of Maximum Day's Flow
Without Harvest
With Harvest
Recurrence Interval
Flow m³/s
Yield mm
Flow m³/s
Yield mm
Change m³/s
Percent Increase
2 Years 5.4 6.4 6.4 7.7 1.02 18.8%
5 Years 9.9 11.8 11.8 14.0 1.88 19.0%
10 Years 12.9 15.3 15.4 18.3 2.49 19.4%
20 Years 15.7 18.6 18.7 22.3 3.07 19.6%
50 Years 19.2 22.8 22.3 26.6 3.17 16.6%
100 Years 21.7 25.8 24.9 29.6 3.17 14.6%
Increased Max Day's Flow, %
2 Year
5 Year
10 Year
20 Year
Year
Area Harvested, km²: 47.5 65.4%
Watershed Area, km²: 72.6
2020
Displayed Above
Peak Year 2020
Peak Flow Function: GRANDE PRAIRIE G3 TO G7
About Peak Flows
Save Data To Excel
Return to Results

Smoky 2

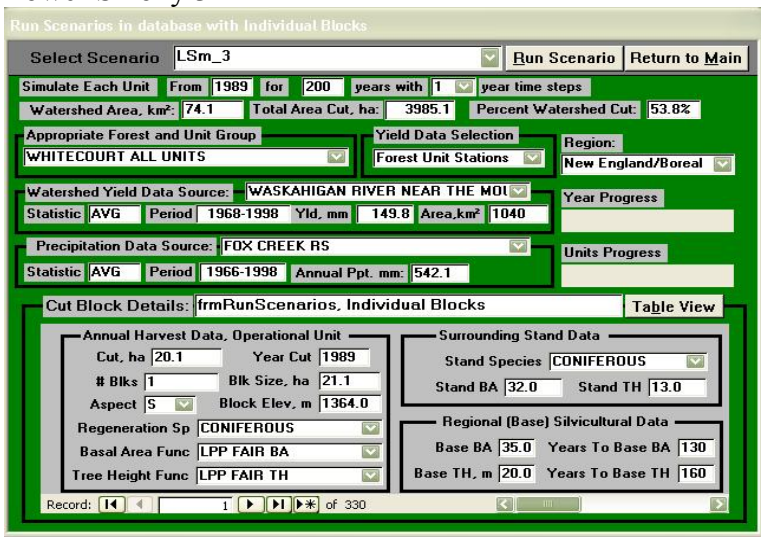

Run Scenarios in database with Individual Blocks
Select Scenario
Sm_2
Run Scenario
Return to Main
Simulate Each Unit
From 1982 for 200 years with 1 year time steps
Watershed Area, km²: 119.4
Total Area Cut, ha: 6687.3
Percent Watershed Cut: 56.0%
Appropriate Forest and Unit Group
GRANDE PRAIRIE G3 TO G7
Yield Data Selection
Forest Unit Stations
Region:
New England/Boreal
Watershed Yield Data Source:
Muskeg River near Grande Cache
Statistic AVG Period 1972-2003 Yld, mm 226.4 Area,km² 706
Year Progress
Precipitation Data Source:
GRANDE CACHE
Statistic AVG Period 1985-1995 Annual Ppt. mm: 590.4
Units Progress
Cut Block Details:
frmRunScenarios, Individual Blocks
Table View
Annual Harvest Data, Operational Unit
Cut, ha 10.3 Year Cut 1982
Blks 1 Blk Size, ha 69.6
Aspect EW Block Elev, m 1435.0
Regeneration Sp CONIFEROUS
Basal Area Func WS FAIR BA
Tree Height Func WS FAIR TH
Surrounding Stand Data
Stand Species CONIFEROUS
Stand BA 28.8 Stand TH 10.0
Regional (Base) Silvicultural Data
Base BA 30.0 Years To Base BA 140
Base TH, m 20.0 Years To Base TH 170
Record: 1 of 359

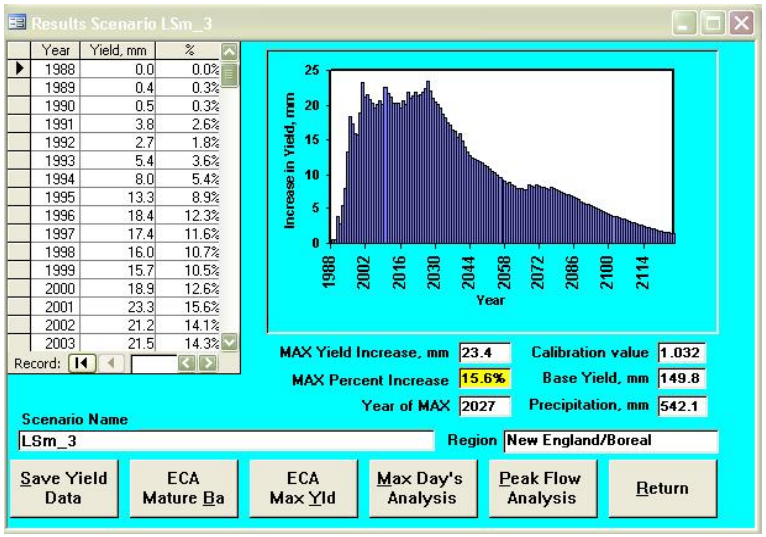

Results Scenario Sm_2
Year Yield, mm %
1981 0.0 0.0%
1982 0.3 0.2%
1983 2.8 1.2%
1984 6.6 2.9%
1985 9.8 4.3%
1986 14.7 6.5%
1987 20.4 9.0%
1988 29.6 13.1%
1989 29.3 12.9%
1990 29.5 13.0%
1991 29.1 12.9%
1992 29.1 12.8%
1993 29.0 12.8%
1994 29.1 12.9%
1995 29.3 12.9%
1996 29.5 13.0%
Increase in Yield, mm
Year
MAX Yield Increase, mm 37.8
MAX Percent Increase 16.7%
Year of MAX 2003
Calibration value 1.067
Base Yield, mm 226.4
Precipitation, mm 590.4
Scenario Name
Sm_2
Region New England/Boreal
Save Yield Data
ECA Mature Ba
ECA Max Yld
Max Day's Analysis
Peak Flow Analysis
Return

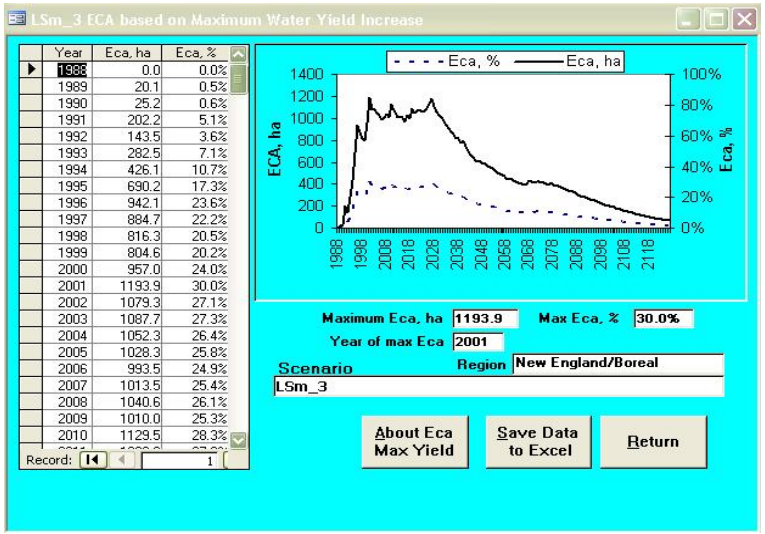

Sm_2 ECA based on Maximum Water Yield Increase
Year Eca, ha Eca, %
1981 0.0 0.0%
1982 28.3 0.4%
1983 204.9 3.1%
1984 498.9 7.5%
1985 727.4 10.9%
1986 1078.5 16.1%
1987 1493.8 22.3%
1988 2273.7 34.0%
1989 2222.1 33.2%
1990 2237.3 33.5%
1991 2203.1 32.9%
1992 2195.0 32.8%
1993 2185.7 32.7%
1994 2191.4 32.8%
1995 2206.8 33.0%
1996 2223.5 33.2%
1997 2239.0 33.5%
1998 2561.0 38.3%
1999 2522.4 37.7%
2000 2531.8 37.9%
2001 2565.7 38.4%
2002 2695.8 40.3%
2003 2820.1 42.2%
Eca, % Eca, ha
ECA, ha
Eca, %
Maximum Eca, ha 2820.1
Max Eca, % 42.2%
Year of max Eca 2003
Scenario
Region New England/Boreal
Sm_2
About Eca Max Yield
Save Data to Excel
Return

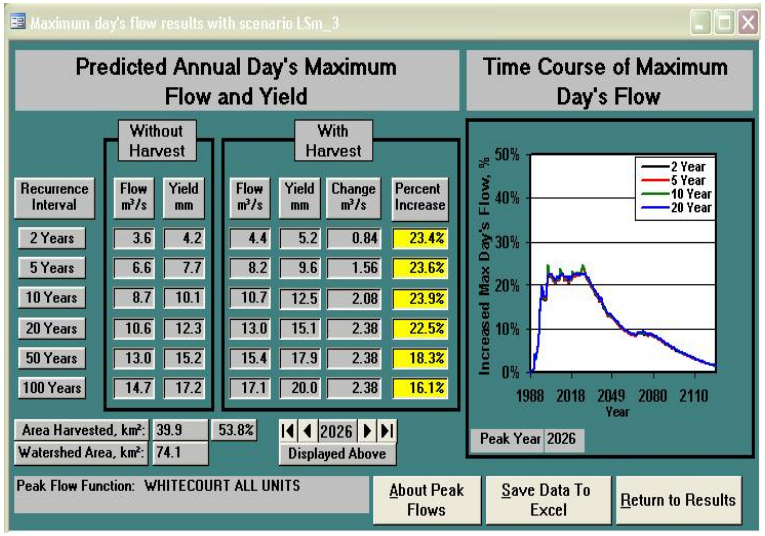

Maximum day's flow results with scenario Sm_2
Predicted Annual Day's Maximum Flow and Yield
Time Course of Maximum Day's Flow
Without Harvest
With Harvest
Recurrence Interval
Flow m³/s
Yield mm
Flow m³/s
Yield mm
Change m³/s
Percent Increase
2 Years 8.9 6.4 11.3 8.2 2.40 27.0%
5 Years 16.3 11.8 20.7 15.0 4.37 26.8%
10 Years 21.3 15.4 25.7 18.6 4.37 20.5%
20 Years 26.0 18.8 30.4 22.0 4.37 16.8%
50 Years 31.9 23.1 36.3 26.3 4.37 13.7%
100 Years 36.2 26.2 40.6 29.4 4.37 12.1%
Increased Max Day's Flow, %
2 Year
5 Year
10 Year
20 Year
Year
Area Harvested, km²: 66.9 56.0%
Watershed Area, km²: 119.4
2002
Displayed Above
Peak Year 2002
Peak Flow Function: GRANDE PRAIRIE G3 TO G7
About Peak Flows
Save Data To Excel
Return to Results

Lower Smoky 3

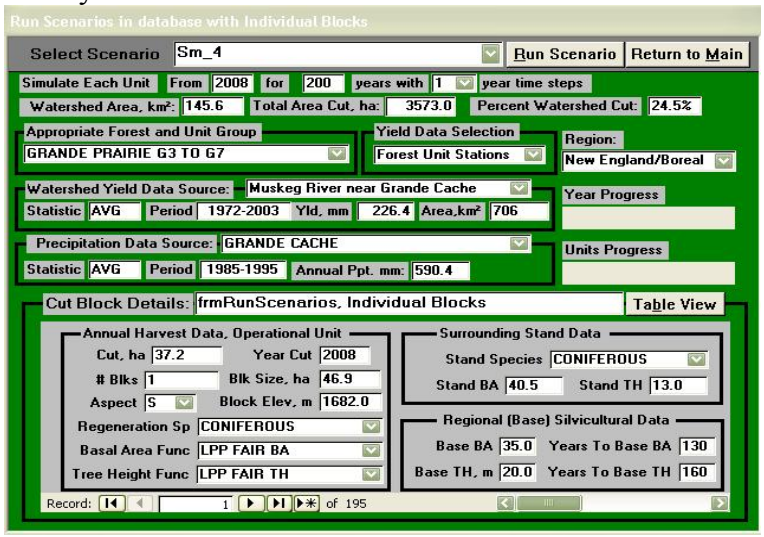


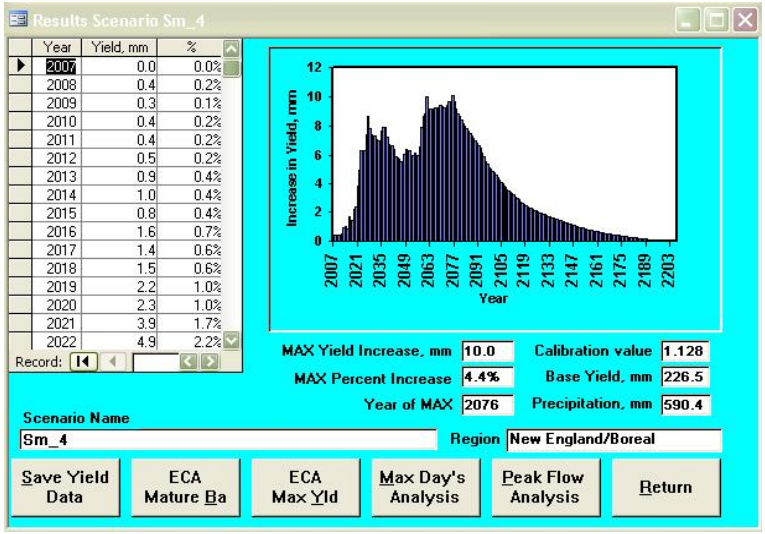


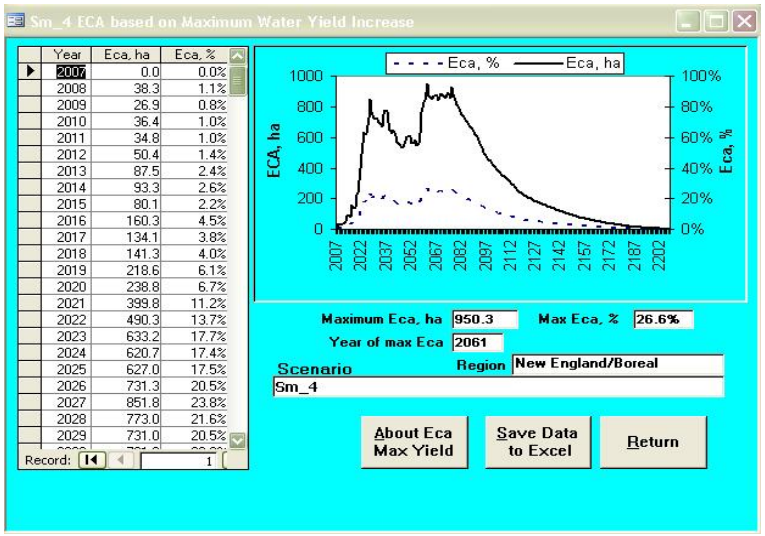


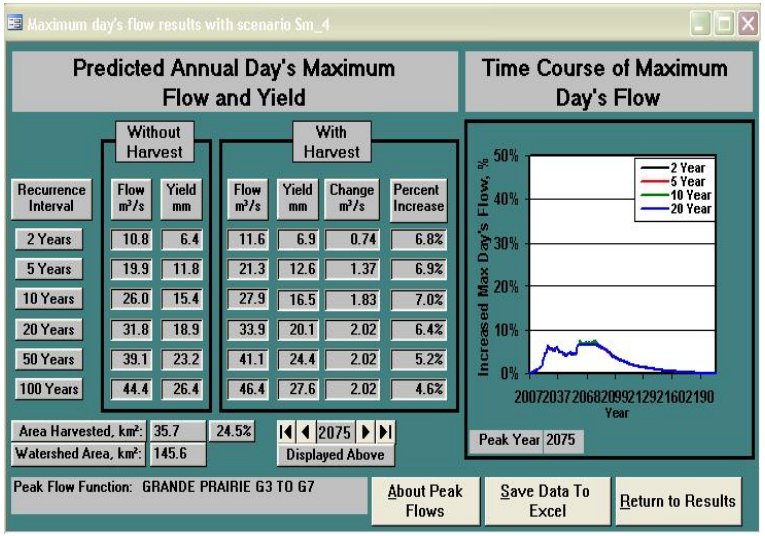


Smoky 4

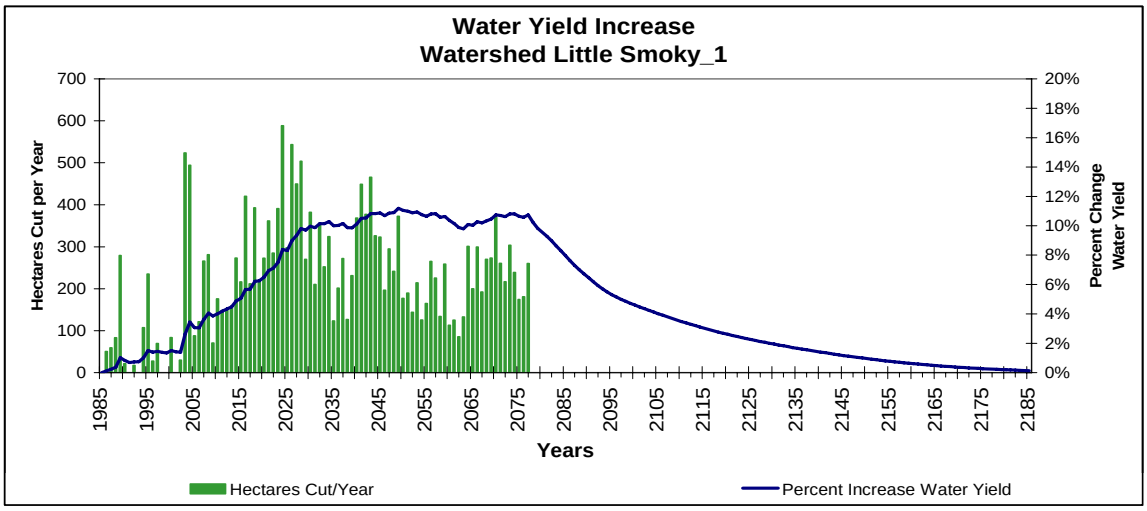

Run Scenarios in database with Individual Blocks
Select Scenario
Sm_4
Run Scenario
Return to Main
Simulate Each Unit
From 2008 for 200 years with 1 year time steps
Watershed Area, km²: 145.6
Total Area Cut, ha: 3573.0
Percent Watershed Cut: 24.5%
Appropriate Forest and Unit Group
GRANDE PRAIRIE G3 TO G7
Yield Data Selection
Forest Unit Stations
Region:
New England/Boreal
Watershed Yield Data Source:
Muskeg River near Grande Cache
Statistic AVG Period 1972-2003 Yld, mm 226.4 Area,km² 706
Year Progress
Precipitation Data Source:
GRANDE CACHE
Statistic AVG Period 1985-1995 Annual Ppt. mm: 590.4
Units Progress
Cut Block Details:
frmRunScenarios, Individual Blocks
Table View
Annual Harvest Data, Operational Unit
Cut, ha 37.2 Year Cut 2008
Blks 1 Blk Size, ha 46.9
Aspect S Block Elev, m 1682.0
Regeneration Sp CONIFEROUS
Basal Area Func LPP FAIR BA
Tree Height Func LPP FAIR TH
Surrounding Stand Data
Stand Species CONIFEROUS
Stand BA 40.5 Stand TH 13.0
Regional (Base) Silvicultural Data
Base BA 35.0 Years To Base BA 130
Base TH, m 20.0 Years To Base TH 160
Record: 1 of 195

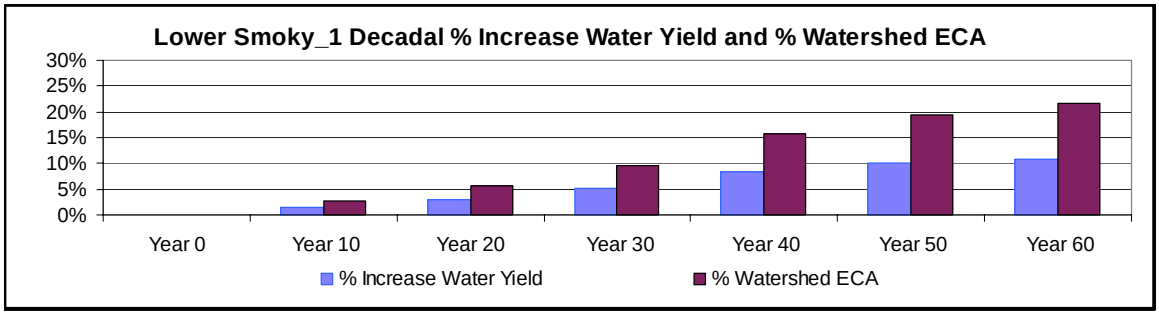

Results Scenario Sm_4
Year Yield, mm %
2007 0.0 0.0%
2008 0.4 0.2%
2009 0.3 0.1%
2010 0.4 0.2%
2011 0.4 0.2%
2012 0.5 0.2%
2013 0.9 0.4%
2014 1.0 0.4%
2015 0.8 0.4%
2016 1.6 0.7%
2017 1.4 0.6%
2018 1.5 0.6%
2019 2.2 1.0%
2020 2.3 1.0%
2021 3.9 1.7%
2022 4.9 2.2%
Increase in Yield, mm
Year
MAX Yield Increase, mm 10.0
MAX Percent Increase 4.4%
Year of MAX 2076
Calibration value 1.128
Base Yield, mm 226.5
Precipitation, mm 590.4
Scenario Name
Sm_4
Region New England/Boreal
Save Yield Data
ECA Mature Ba
ECA Max Yld
Max Day's Analysis
Peak Flow Analysis
Return

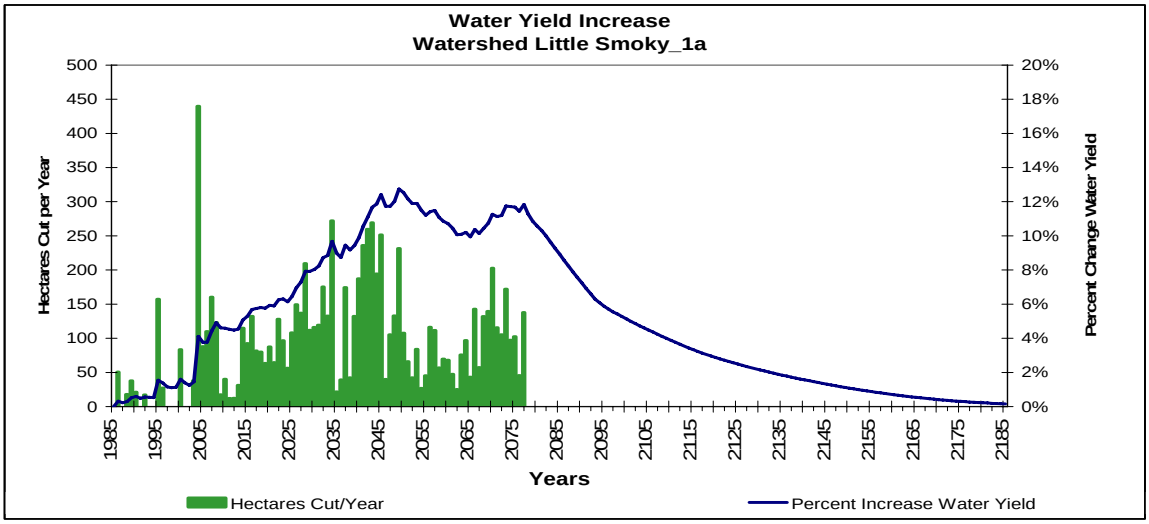

Sm_4 ECA based on Maximum Water Yield Increase
Year Eca, ha Eca, %
2007 0.0 0.0%
2008 38.3 1.1%
2009 26.9 0.8%
2010 36.4 1.0%
2011 34.8 1.0%
2012 50.4 1.4%
2013 87.5 2.4%
2014 93.3 2.6%
2015 80.1 2.2%
2016 160.3 4.5%
2017 134.1 3.8%
2018 141.3 4.0%
2019 218.6 6.1%
2020 238.8 6.7%
2021 399.8 11.2%
2022 490.3 13.7%
2023 633.2 17.7%
2024 620.7 17.4%
2025 627.0 17.5%
2026 731.3 20.5%
2027 851.8 23.8%
2028 773.0 21.6%
2029 731.0 20.5%
Eca, % Eca, ha
ECA, ha
Eca, %
Maximum Eca, ha 950.3
Max Eca, % 26.6%
Year of max Eca 2061
Scenario
Region New England/Boreal
Sm_4
About Eca Max Yield
Save Data to Excel
Return

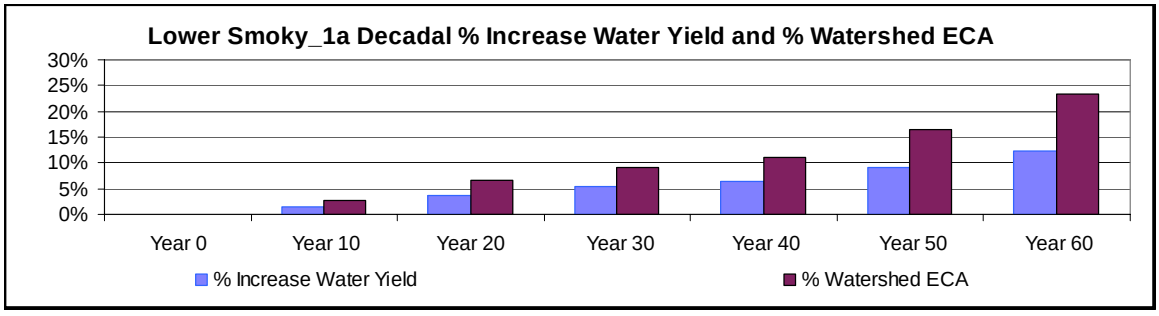

Maximum day's flow results with scenario Sm_4
Predicted Annual Day's Maximum Flow and Yield
Time Course of Maximum Day's Flow
Without Harvest
With Harvest
Recurrence Interval
Flow m³/s
Yield mm
Flow m³/s
Yield mm
Change m³/s
Percent Increase
2 Years 10.8 6.4 11.6 6.9 0.74 6.8%
5 Years 19.9 11.8 21.3 12.6 1.37 6.9%
10 Years 26.0 15.4 27.9 16.5 1.83 7.0%
20 Years 31.8 18.9 33.9 20.1 2.02 6.4%
50 Years 39.1 23.2 41.1 24.4 2.02 5.2%
100 Years 44.4 26.4 46.4 27.6 2.02 4.6%
Increased Max Day's Flow, %
2 Year
5 Year
10 Year
20 Year
Year
Area Harvested, km²: 35.7 24.5%
Watershed Area, km²: 145.6
2075
Displayed Above
Peak Year 2075
Peak Flow Function: GRANDE PRAIRIE G3 TO G7
About Peak Flows
Save Data To Excel
Return to Results

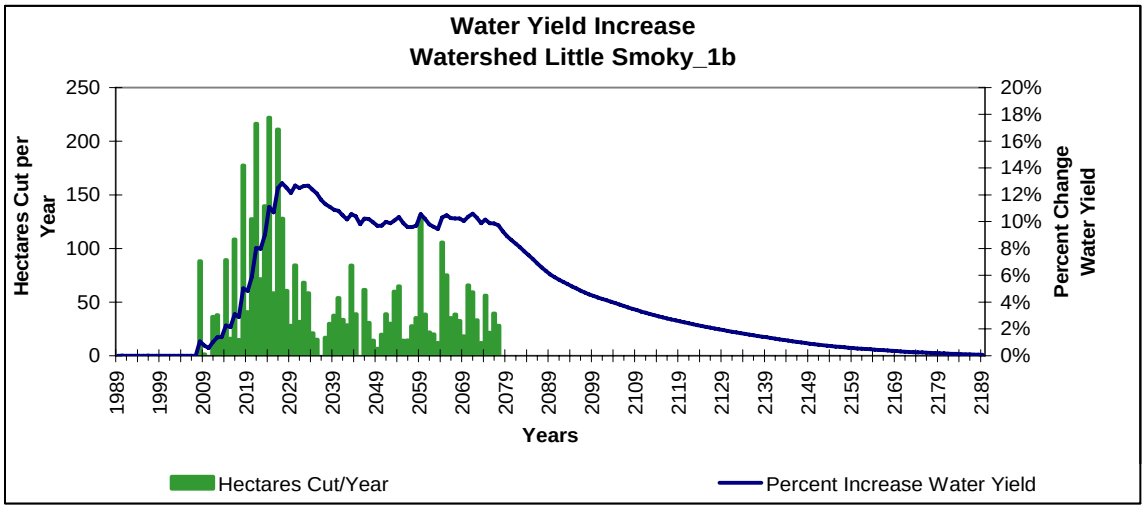
Reference 4 Water Yield Responses and Decadal Water Yield Increases

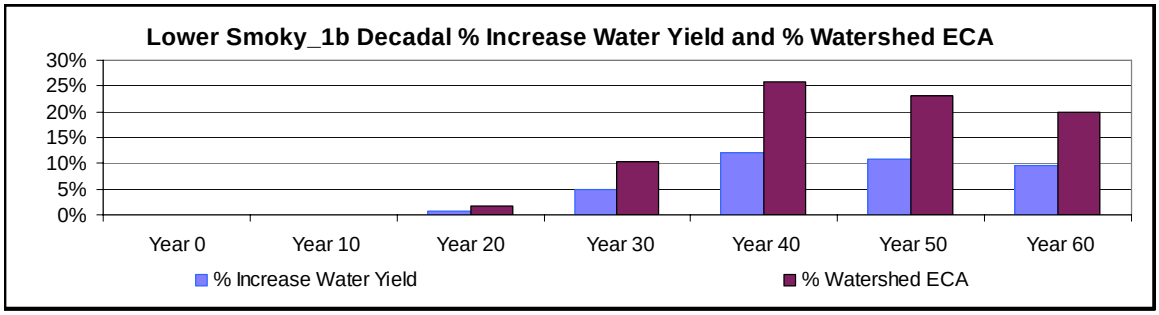

Water Yield Increase
Watershed Little Smoky_1
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

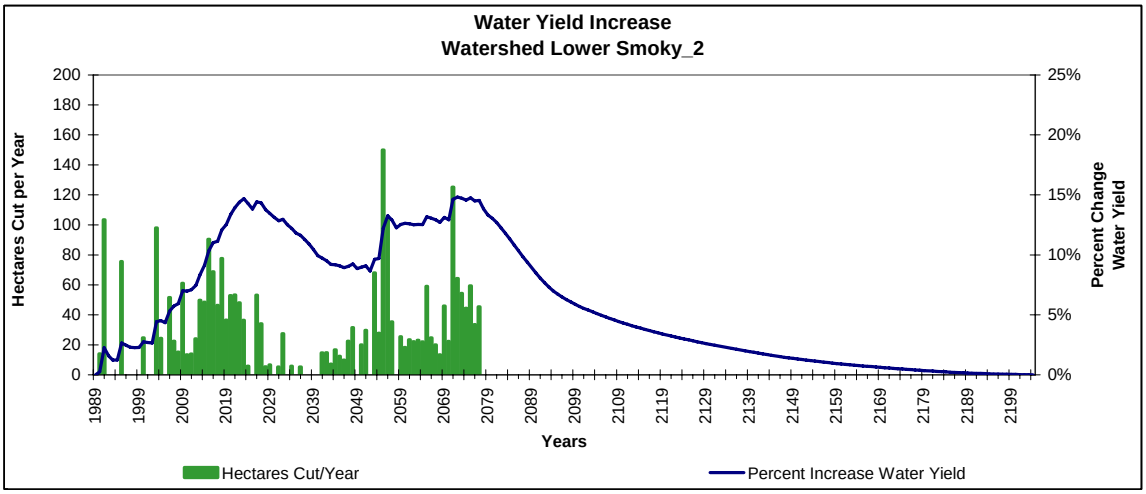

Lower Smoky_1 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

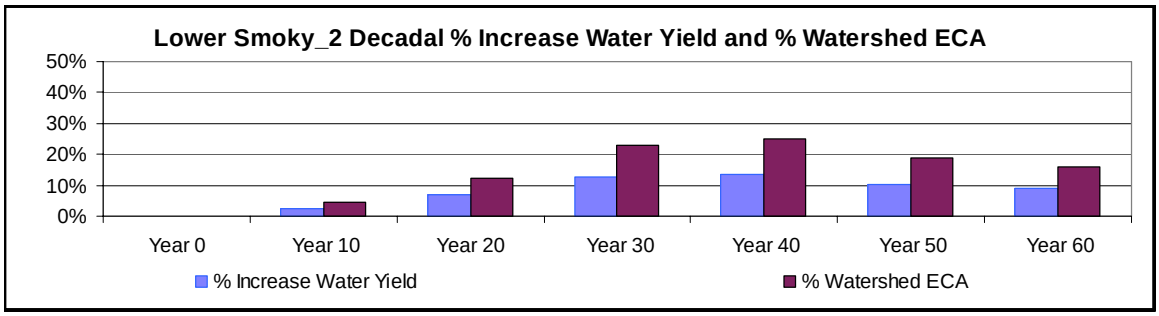

Water Yield Increase
Watershed Little Smoky_1a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

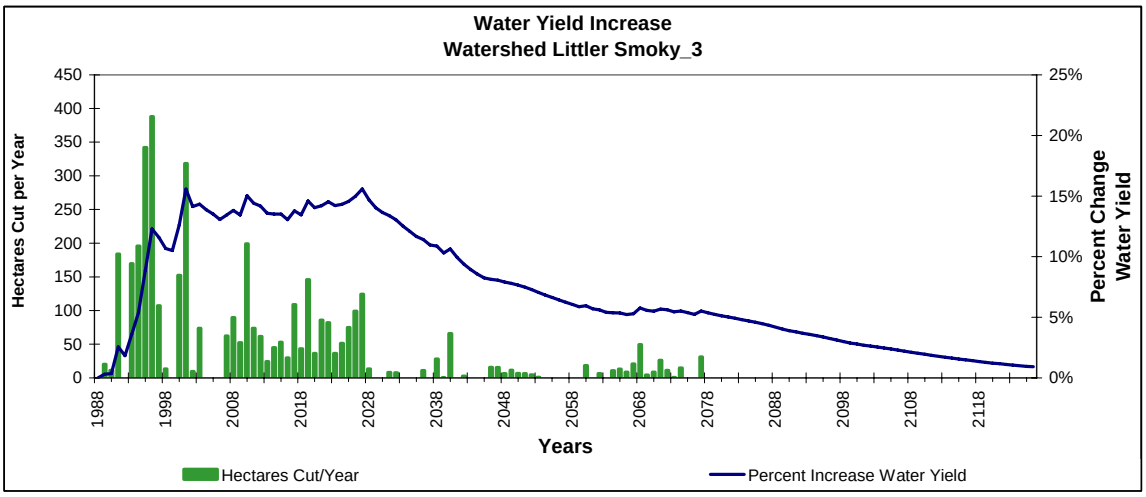

Lower Smoky_1a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

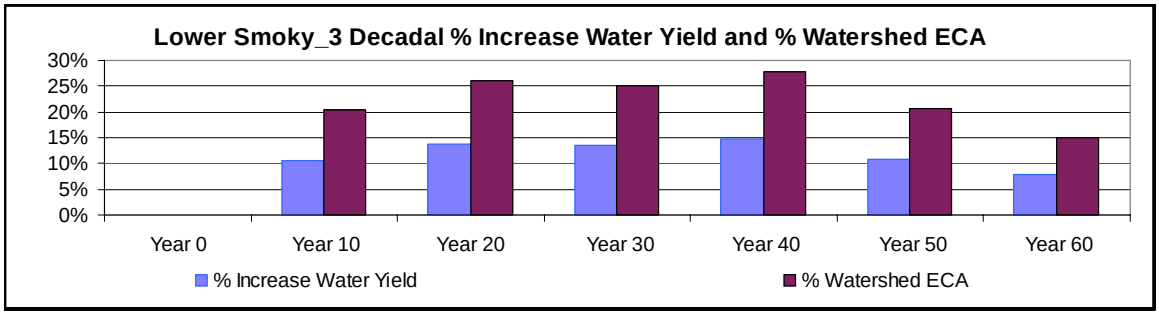

Water Yield Increase
Watershed Little Smoky_1b
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

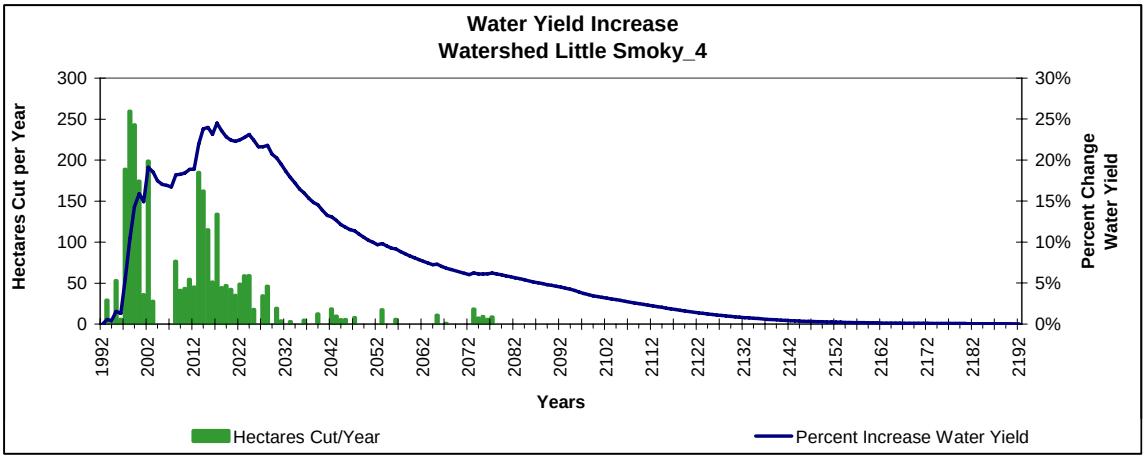

Lower Smoky_1b Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

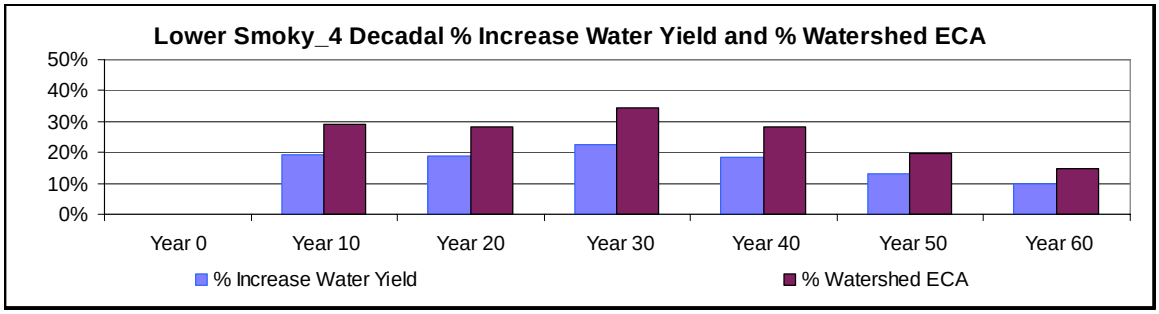

Water Yield Increase
Watershed Lower Smoky_2
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

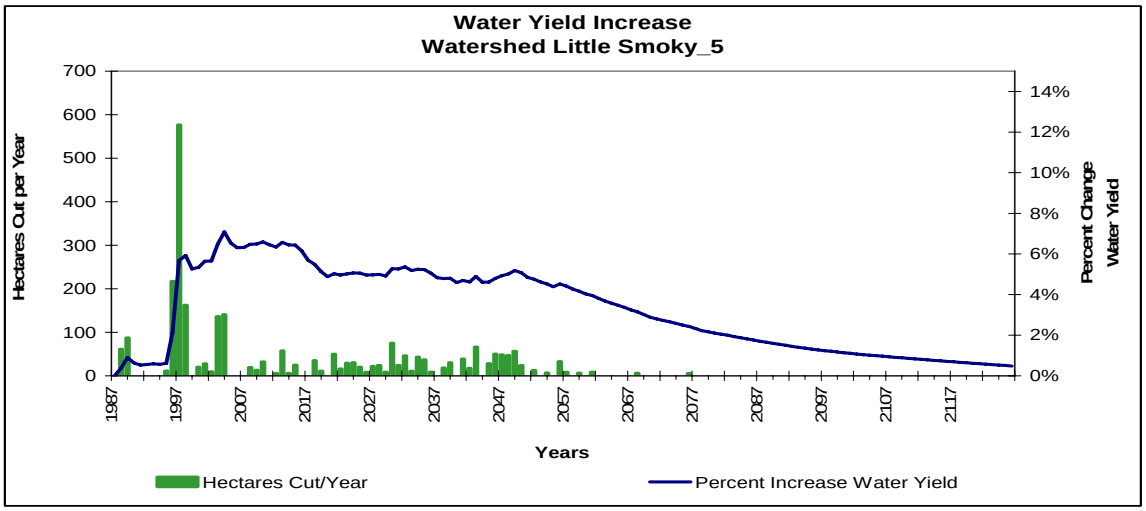

Lower Smoky_2 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

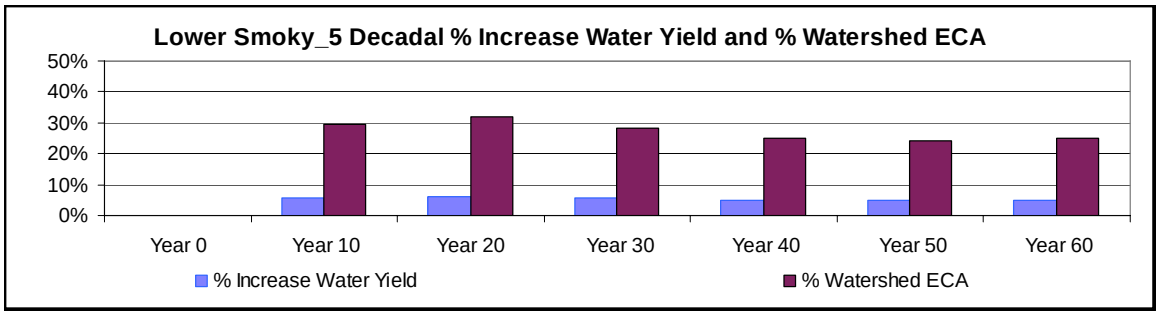

Water Yield Increase
Watershed Littler Smoky_3
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

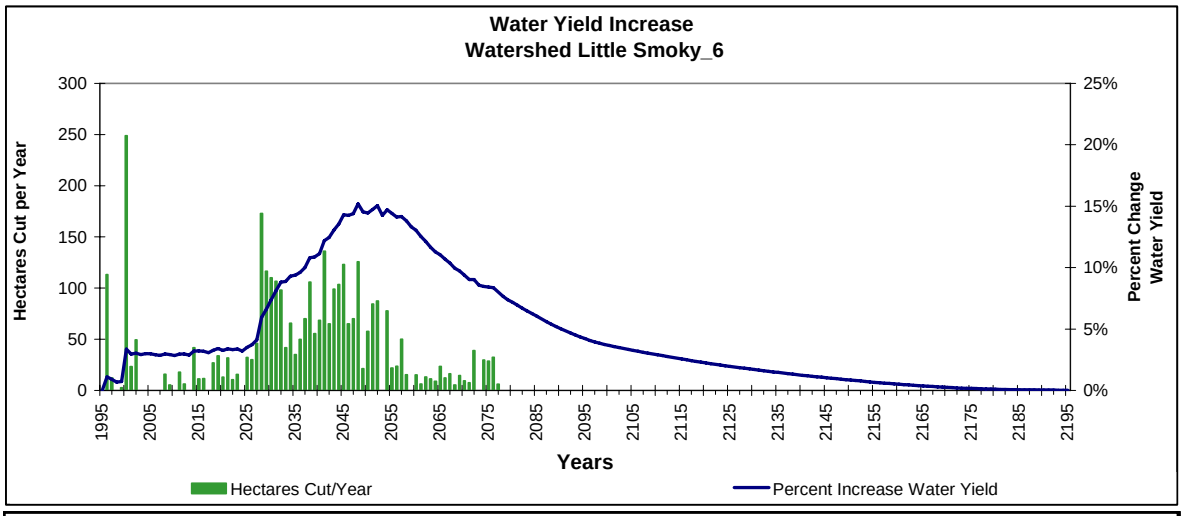

Lower Smoky_3 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

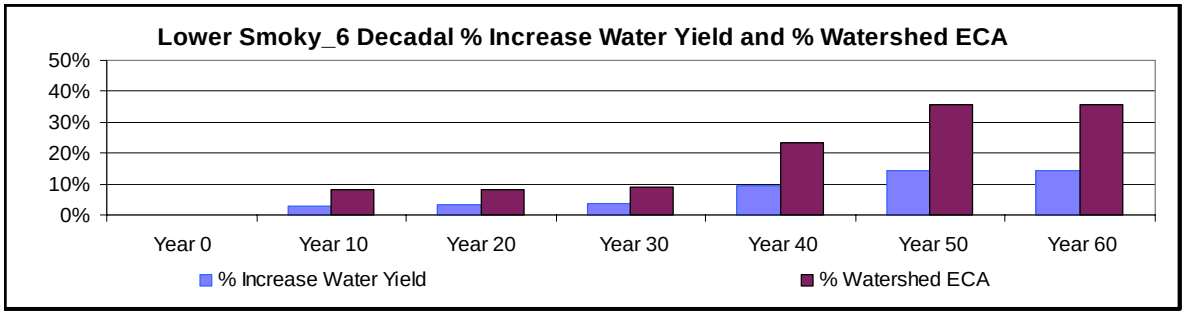

Water Yield Increase
Watershed Little Smoky_4
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

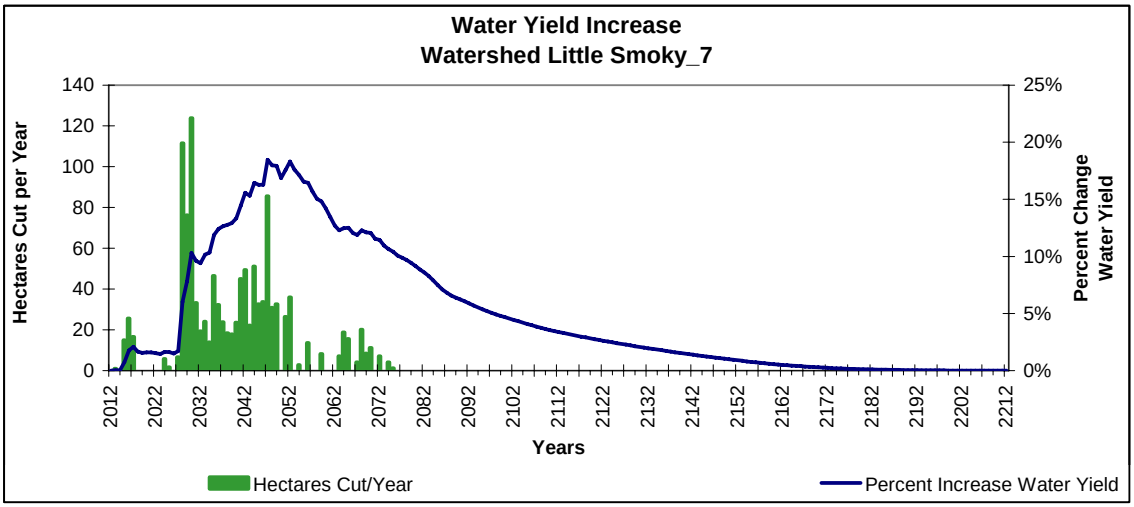

Lower Smoky_4 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

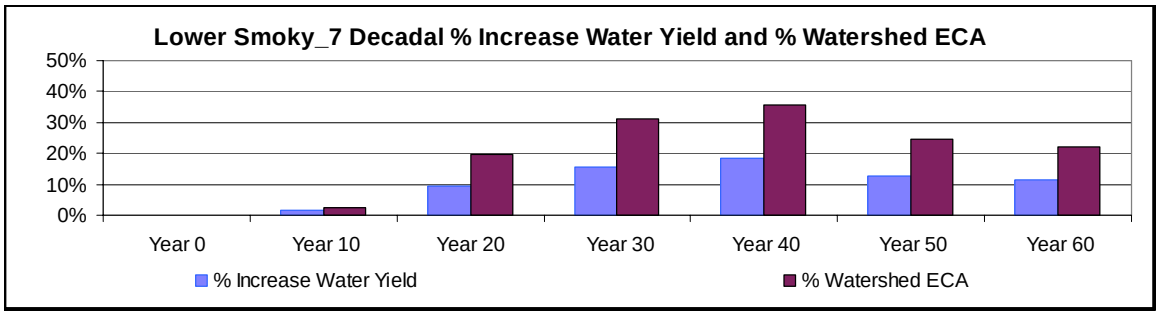

Water Yield Increase
Watershed Little Smoky_5
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

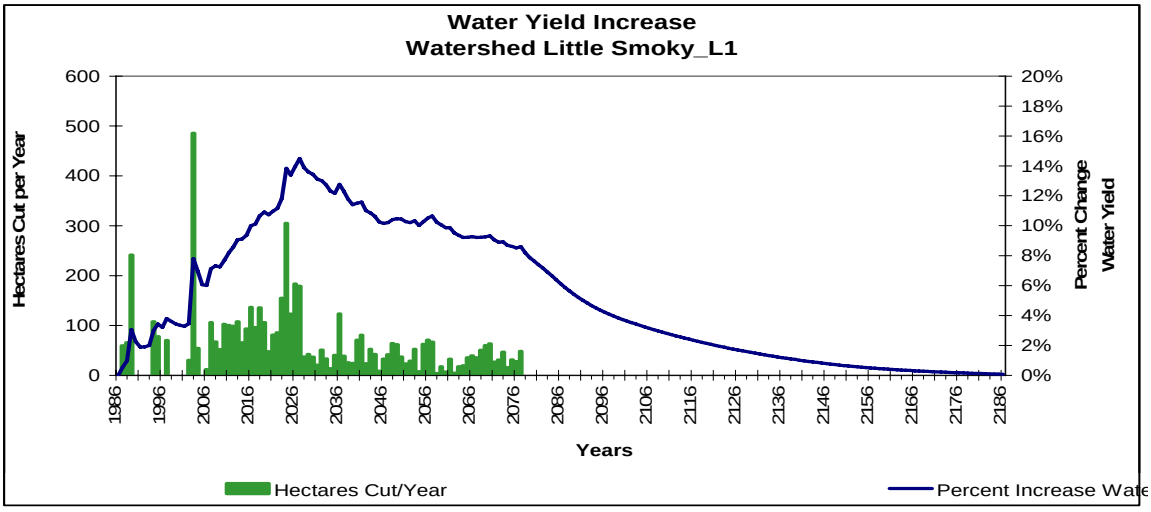

Lower Smoky_5 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

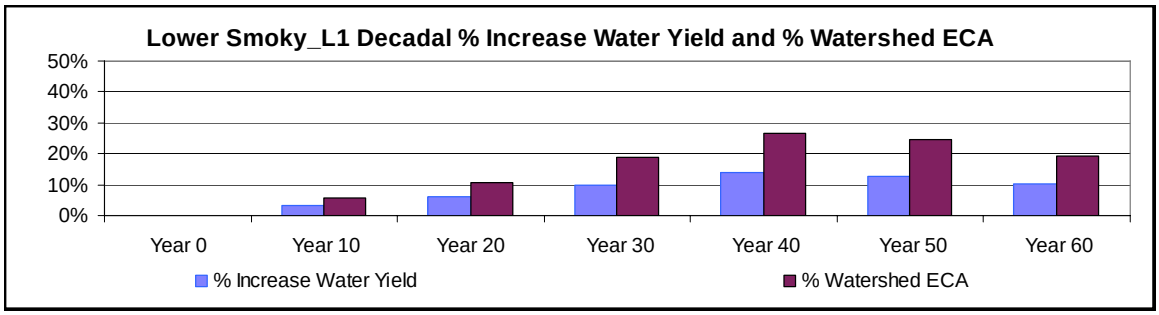

Water Yield Increase
Watershed Little Smoky_6
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

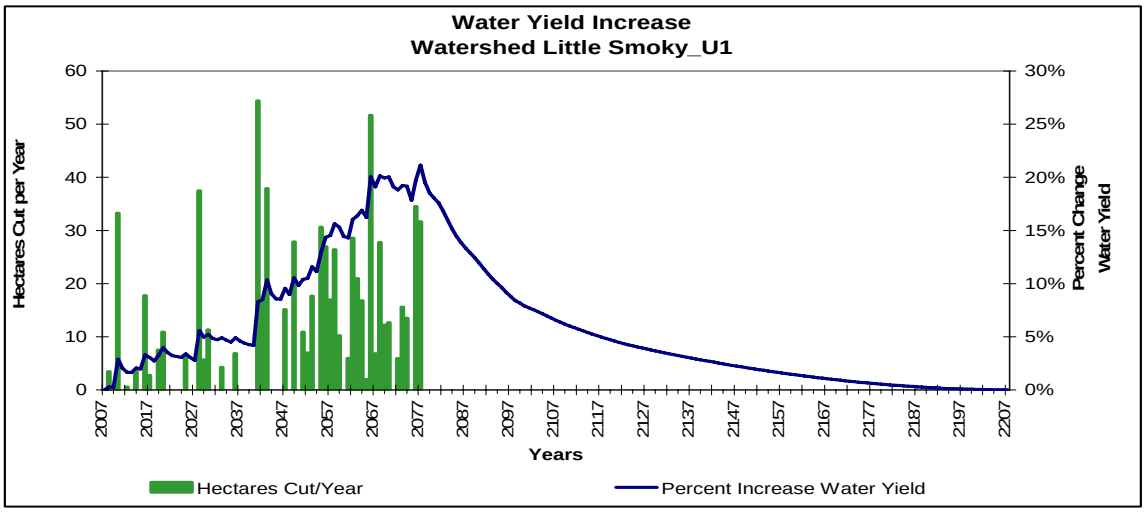

Lower Smoky_6 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

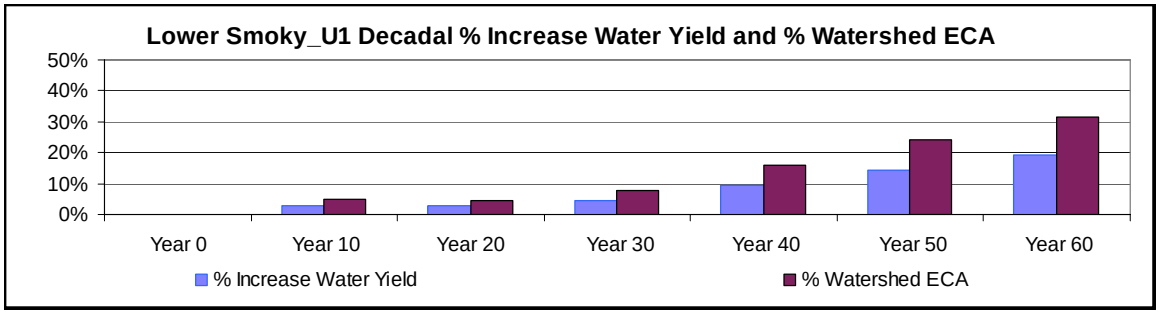

Water Yield Increase
Watershed Little Smoky_7
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

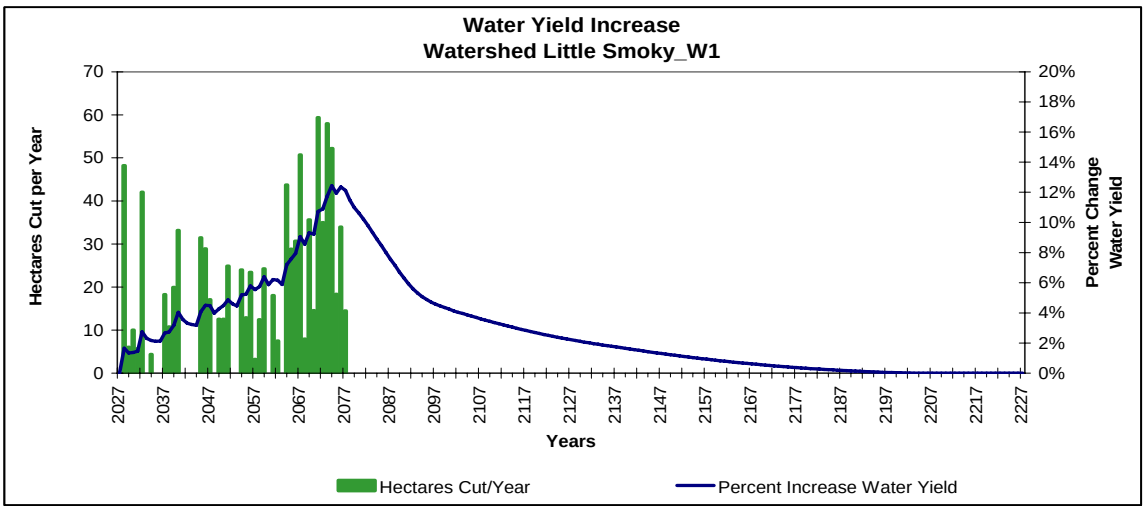

Lower Smoky_7 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

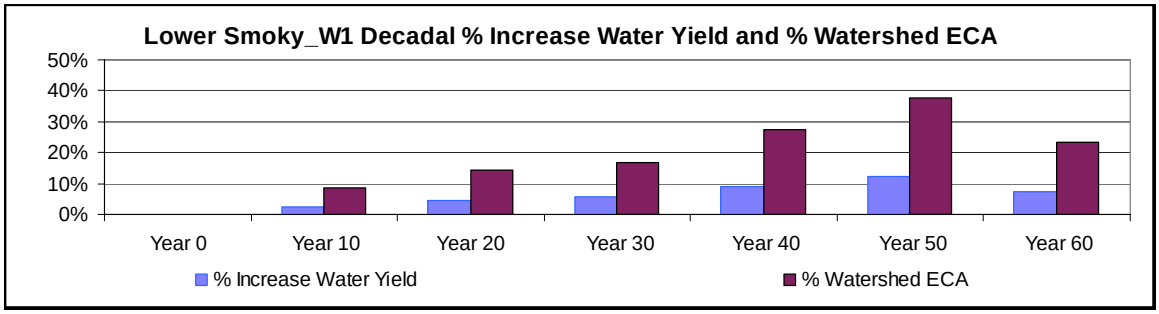

Water Yield Increase
Watershed Little Smoky_L1
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year

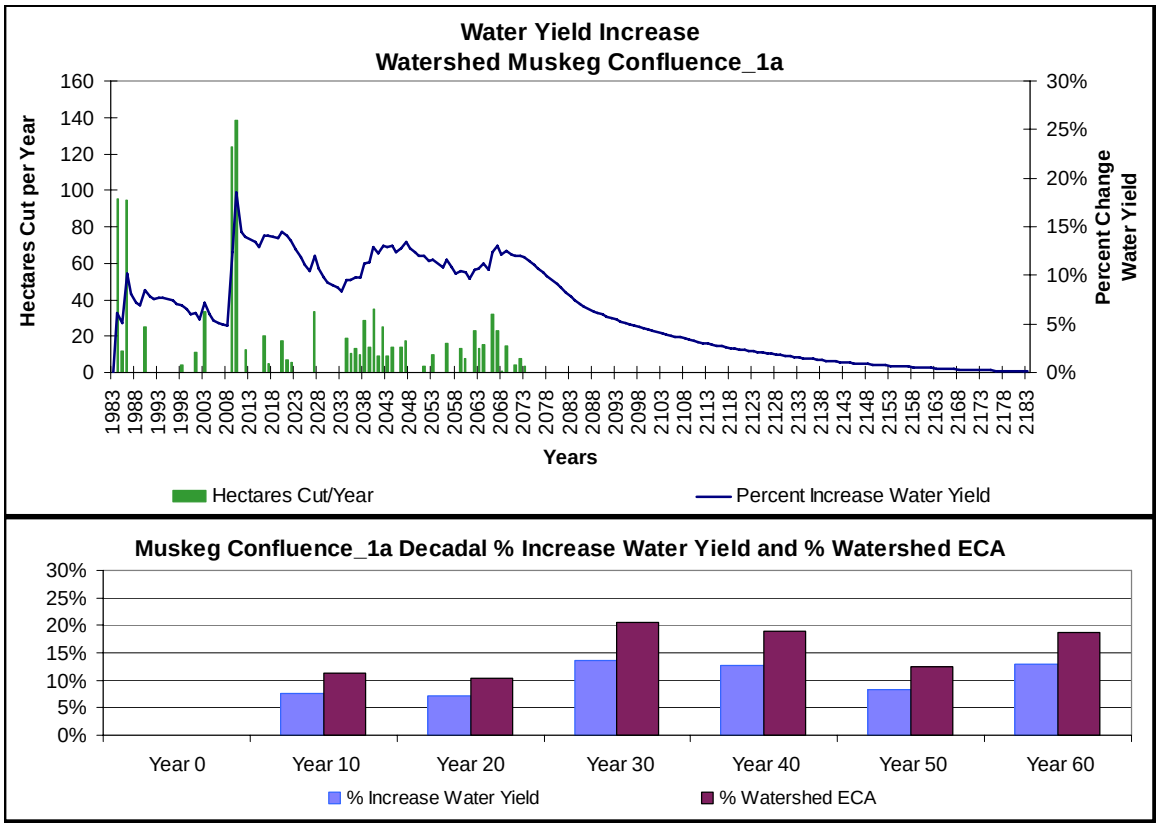

Lower Smoky_L1 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

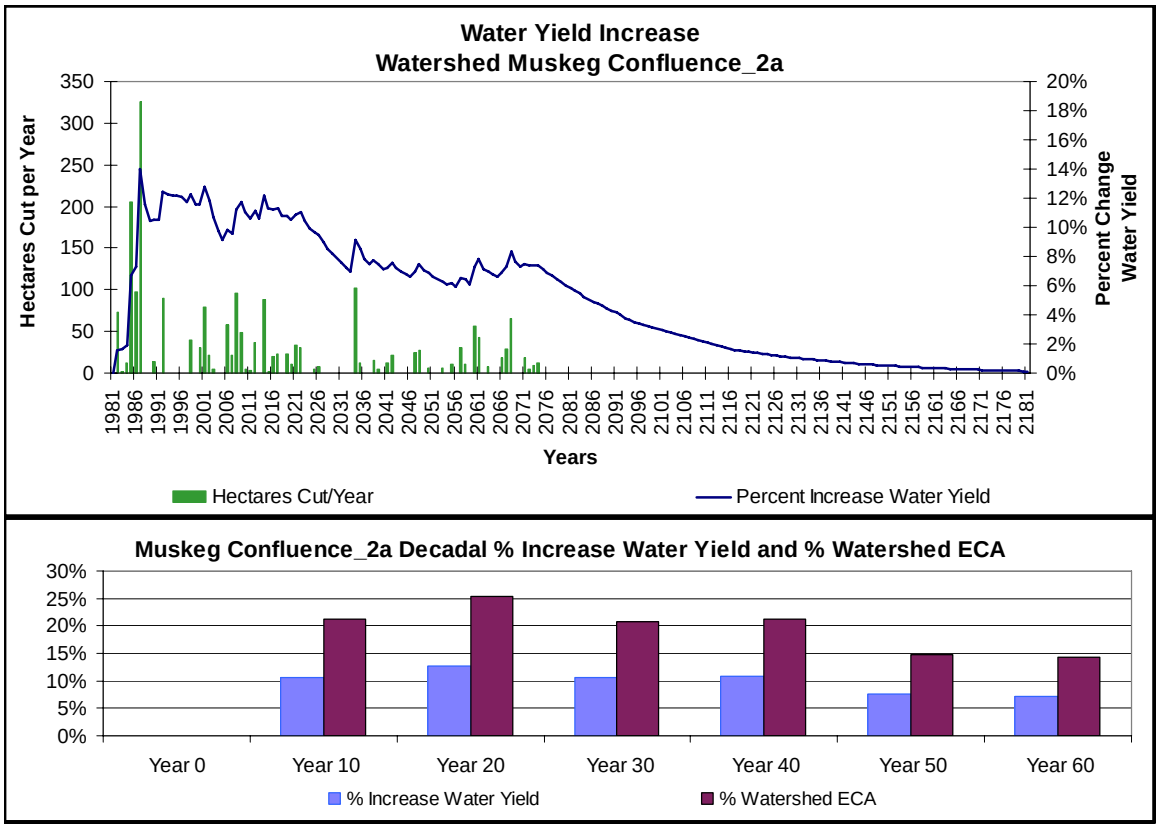

Water Yield Increase
Watershed Little Smoky_U1
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

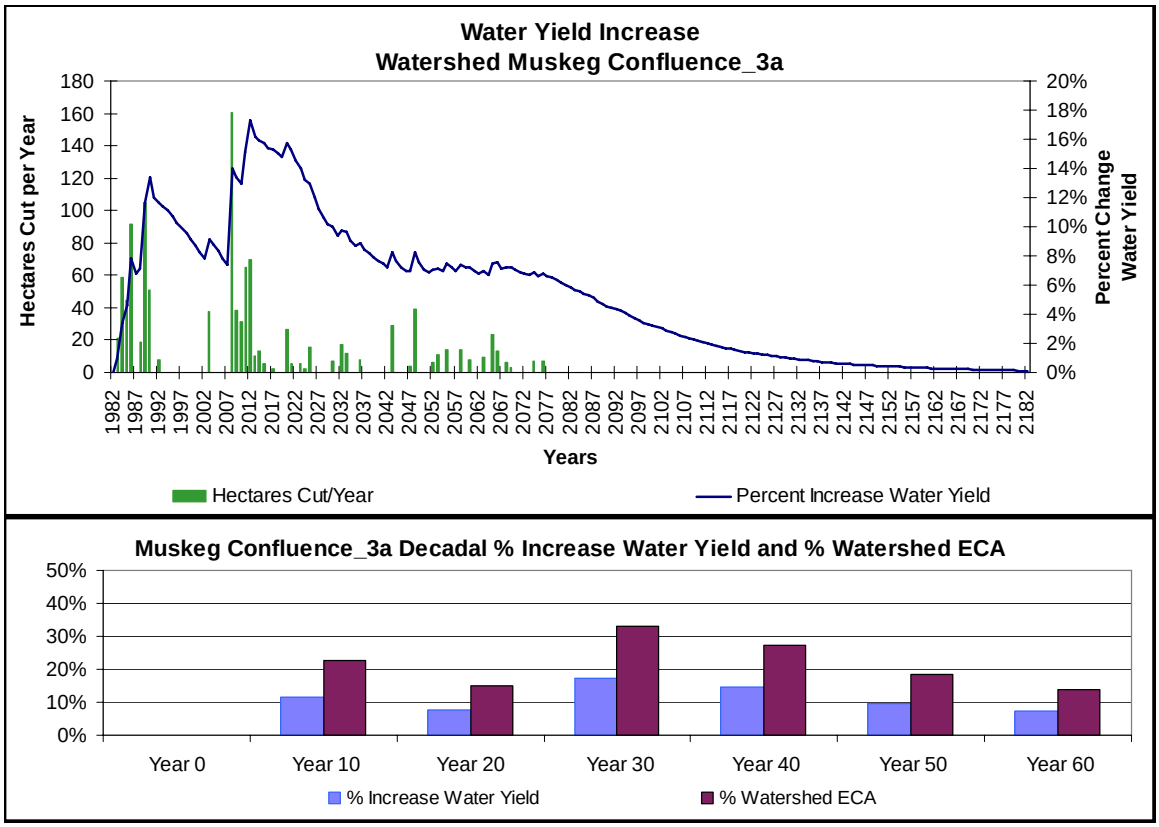

Lower Smoky_U1 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA


Water Yield Increase
Watershed Little Smoky_W1
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

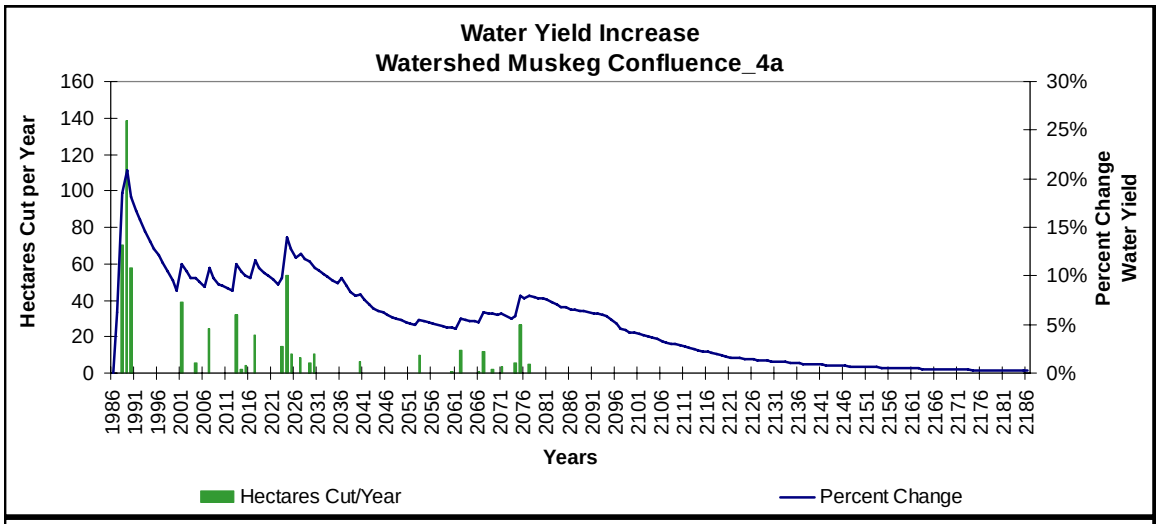

Lower Smoky_W1 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

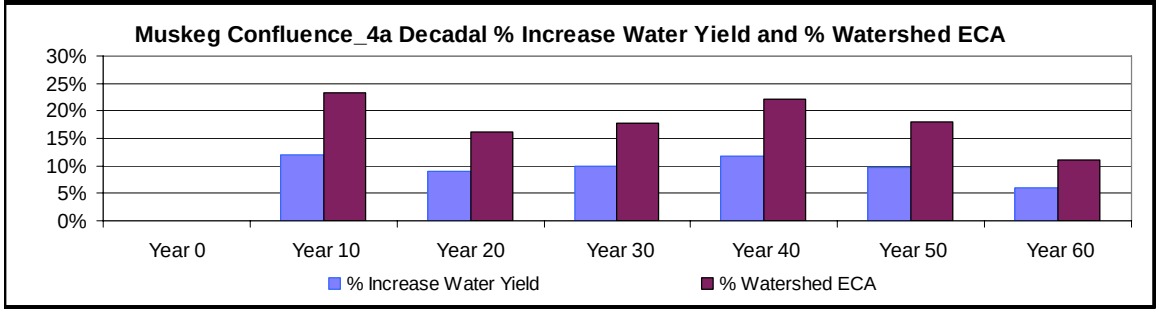

Water Yield Increase
Watershed Muskeg Confluence_1a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield
Muskeg Confluence_1a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

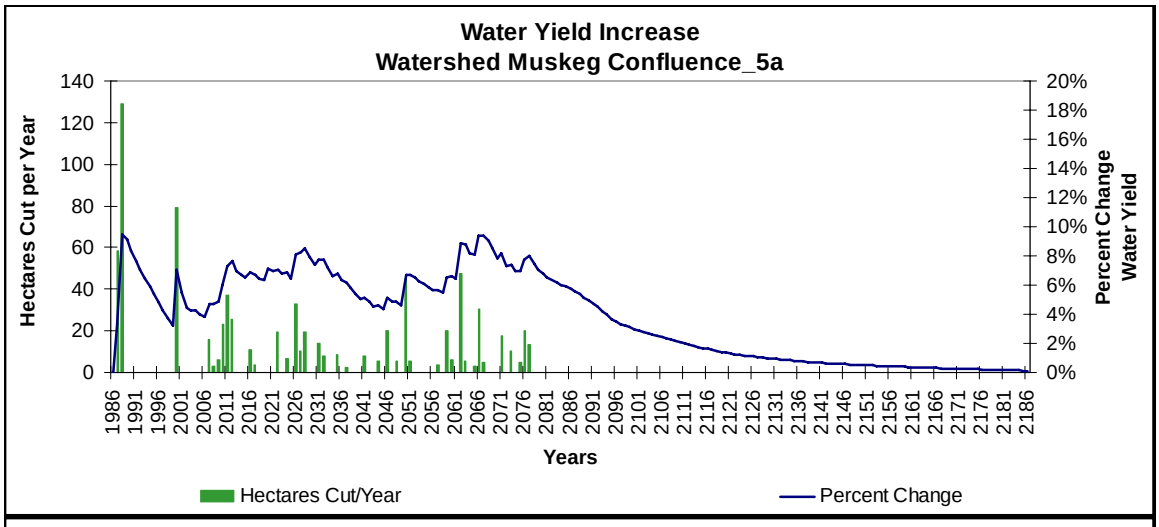

Water Yield Increase
Watershed Muskeg Confluence_2a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield
Muskeg Confluence_2a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

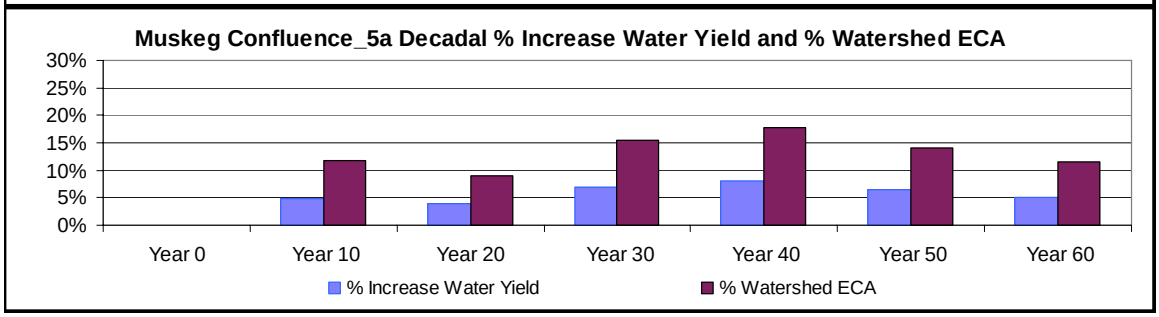

Water Yield Increase
Watershed Muskeg Confluence_3a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

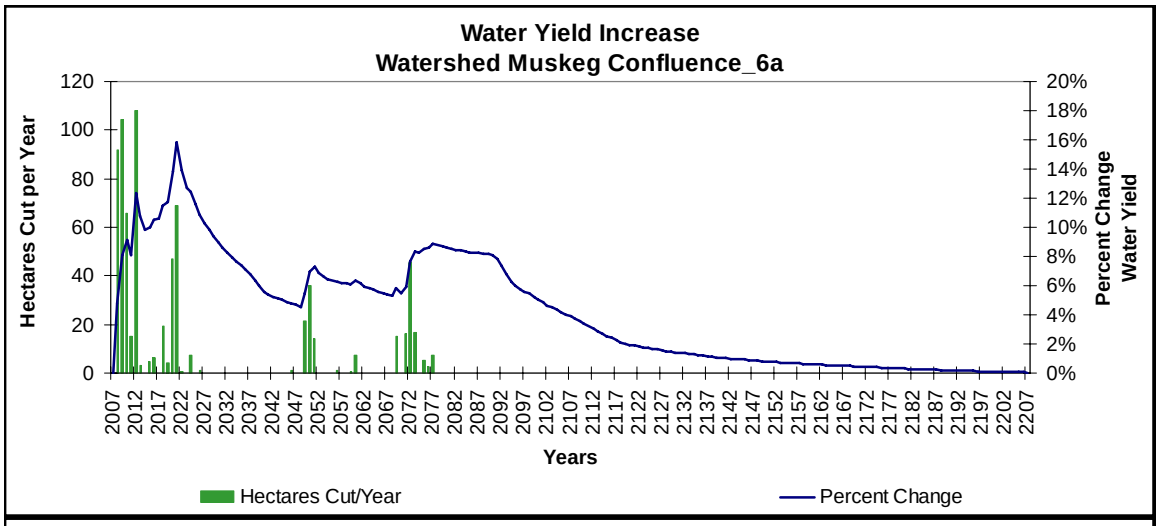
Muskeg Confluence_3a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

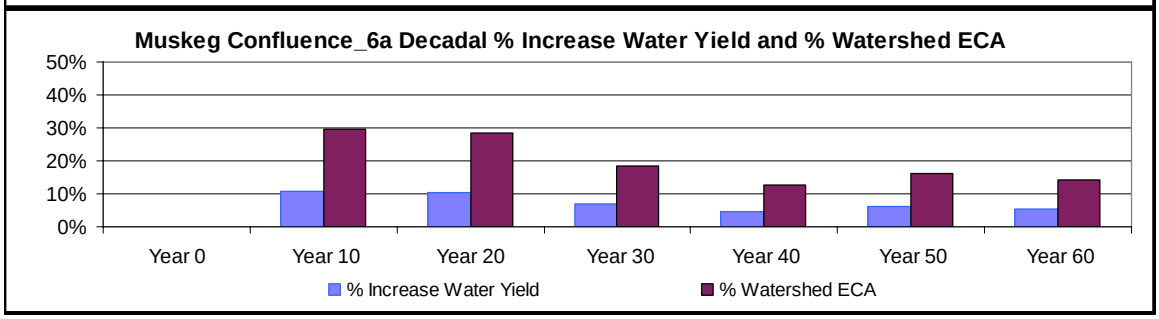

Water Yield Increase
Watershed Muskeg Confluence_4a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

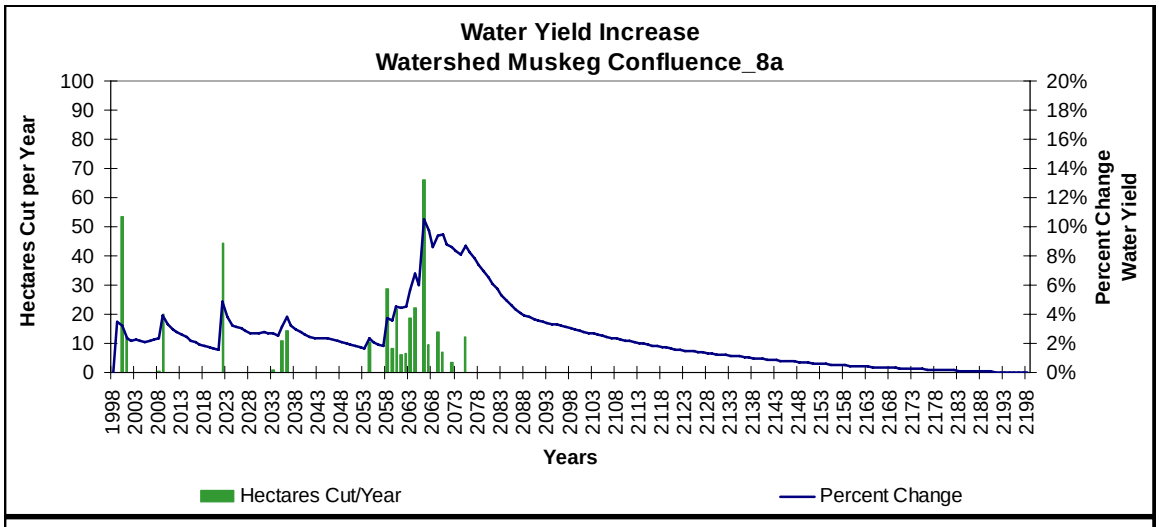

Muskeg Confluence_4a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

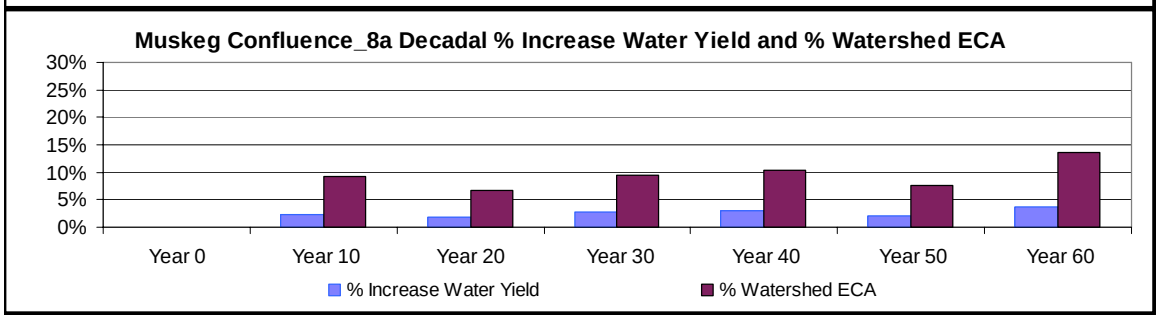

Water Yield Increase
Watershed Muskeg Confluence_5a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

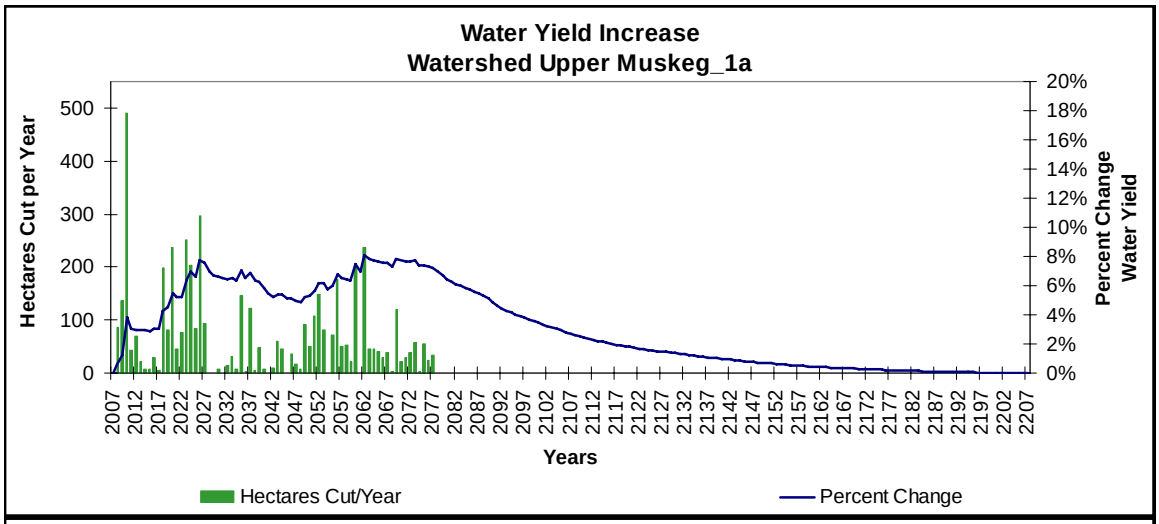

Muskeg Confluence_5a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

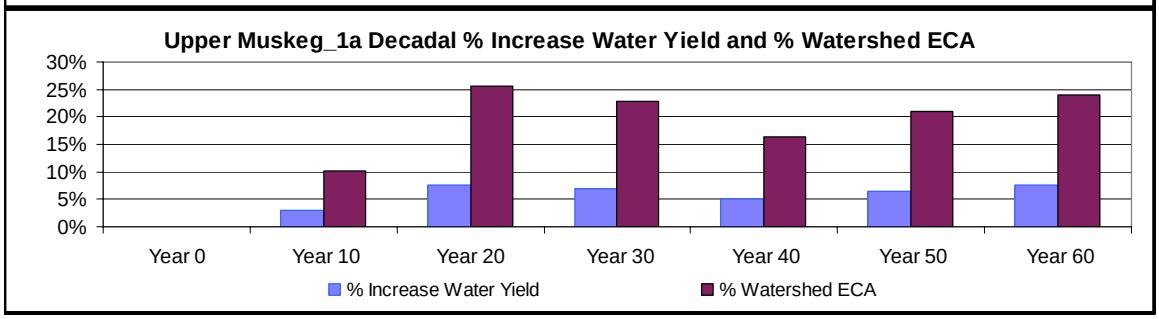

Water Yield Increase
Watershed Muskeg Confluence_6a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

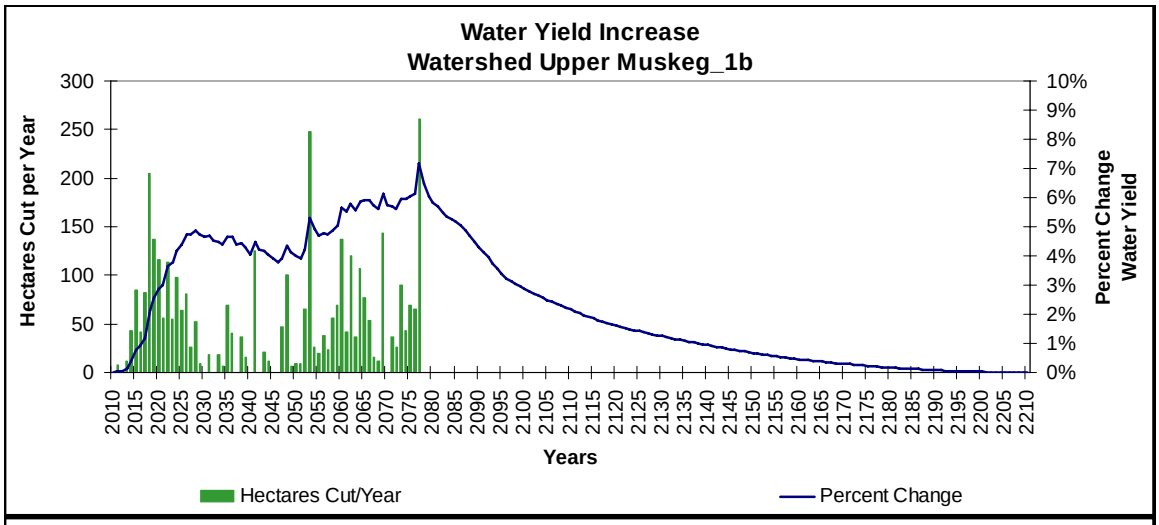

Muskeg Confluence_6a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

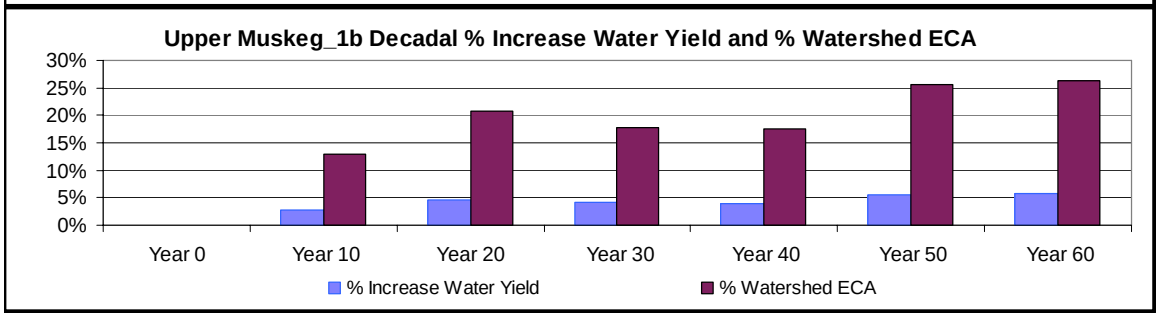

Water Yield Increase
Watershed Muskeg Confluence_8a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

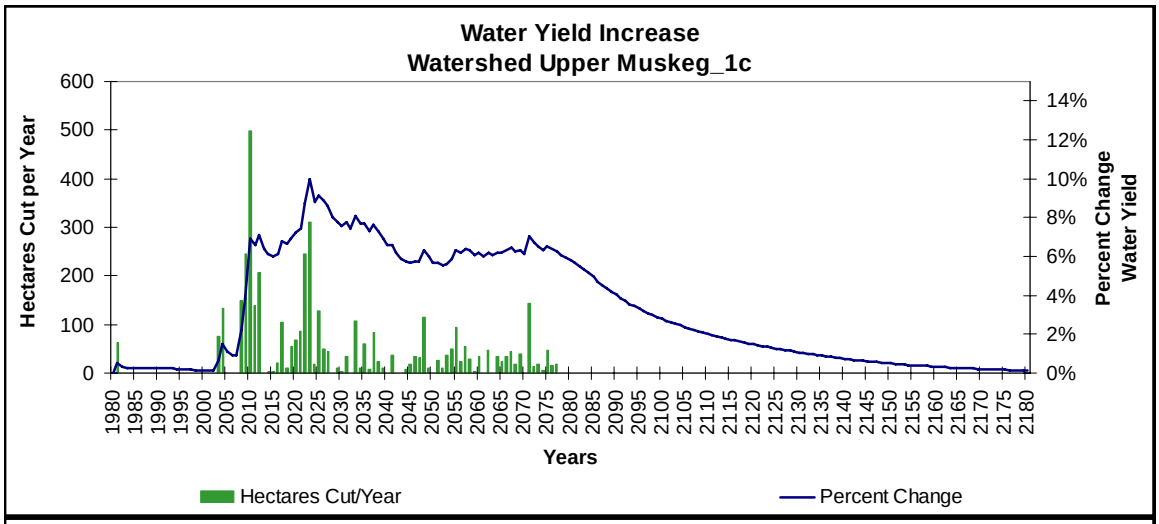

Muskeg Confluence_8a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

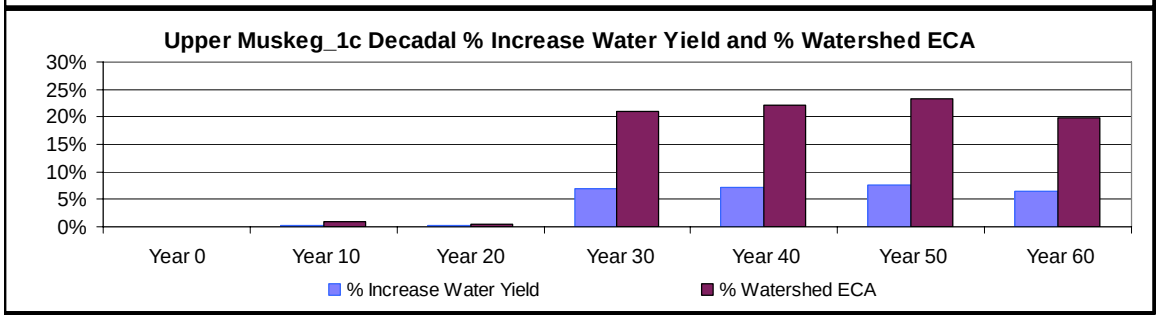

Water Yield Increase
Watershed Upper Muskeg_1a
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

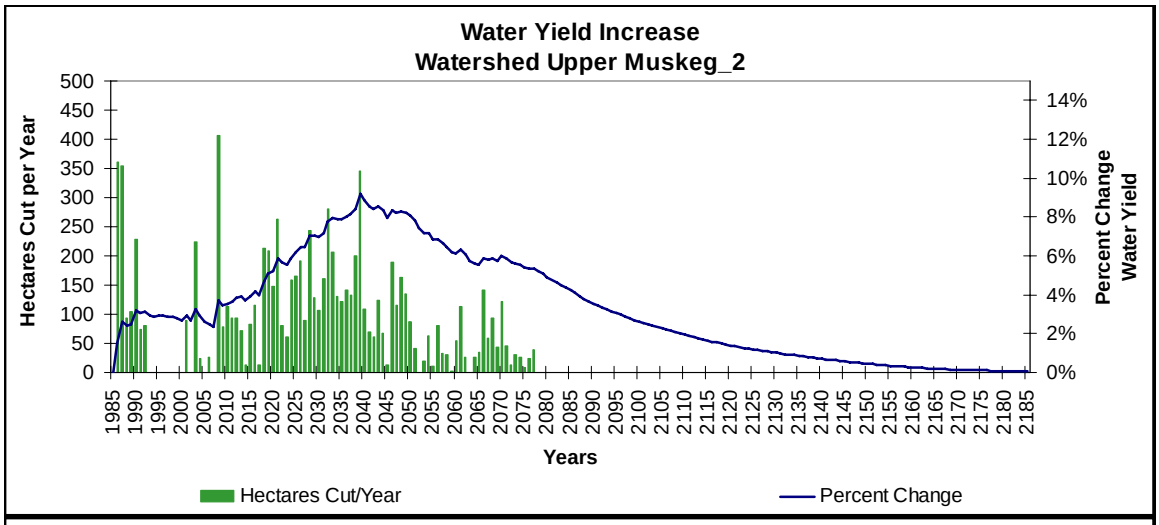

Upper Muskeg_1a Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

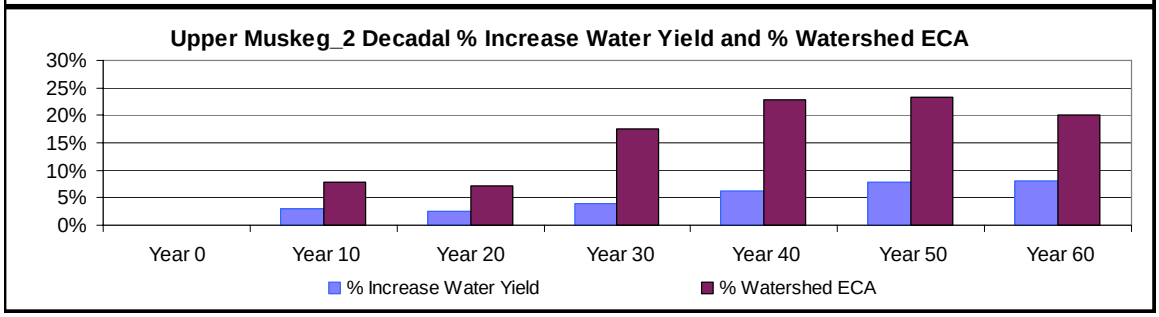

Water Yield Increase
Watershed Upper Muskeg_1b
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

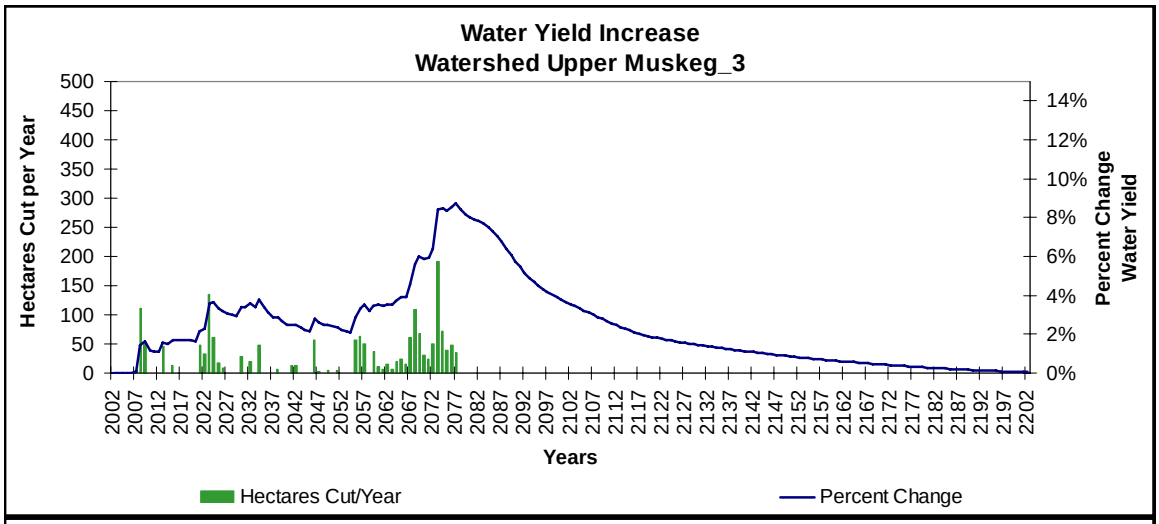

Upper Muskeg_1b Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

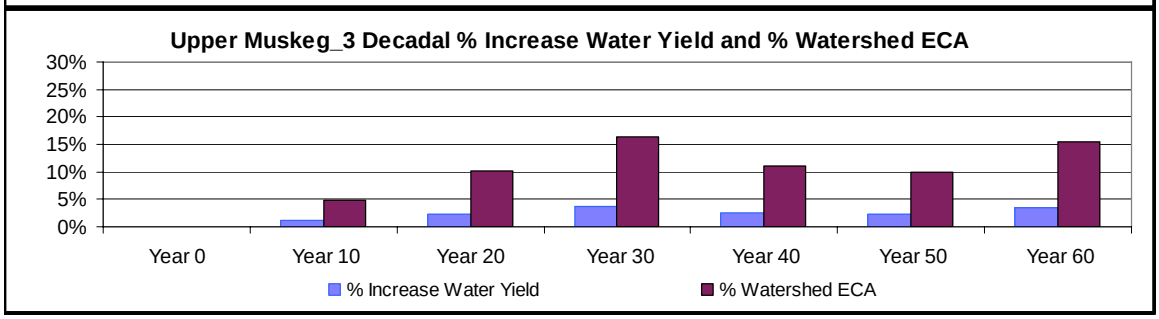

Water Yield Increase
Watershed Upper Muskeg_1c
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

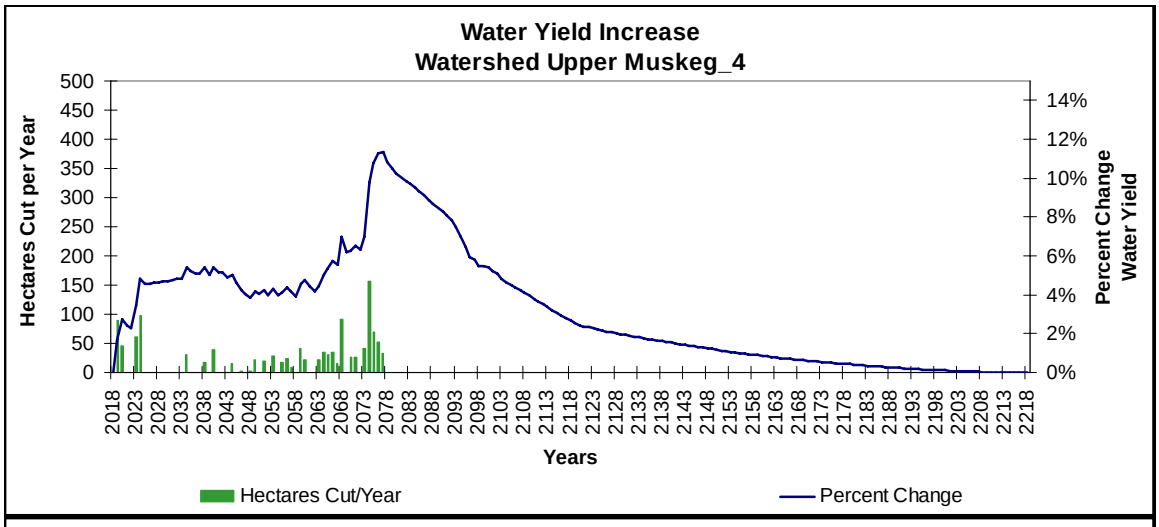

Upper Muskeg_1c Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

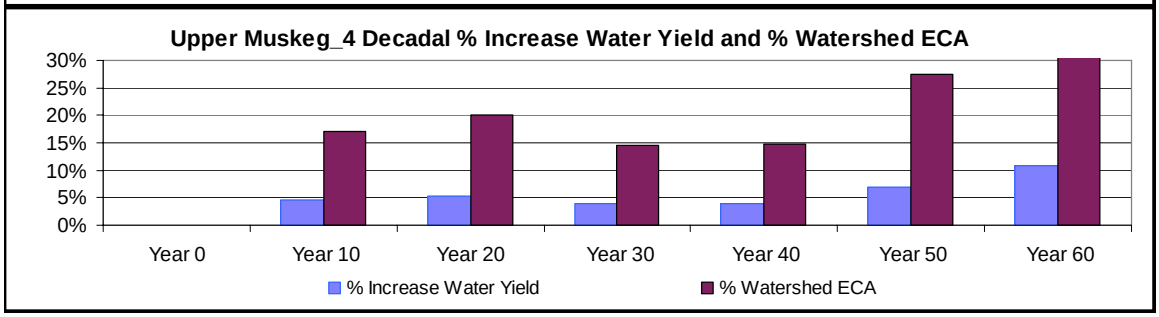

Water Yield Increase
Watershed Upper Muskeg_2
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

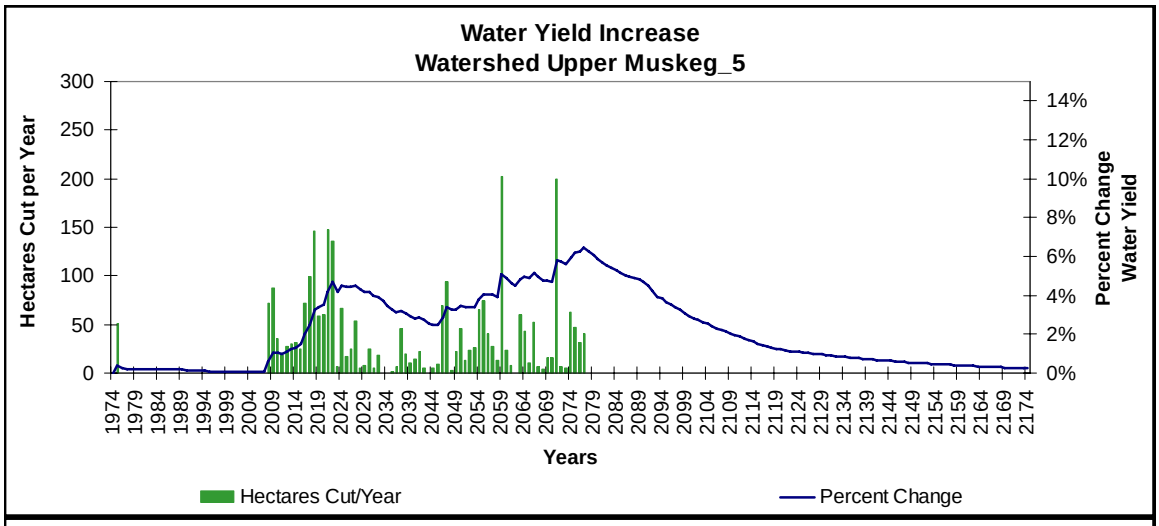

Upper Muskeg_2 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

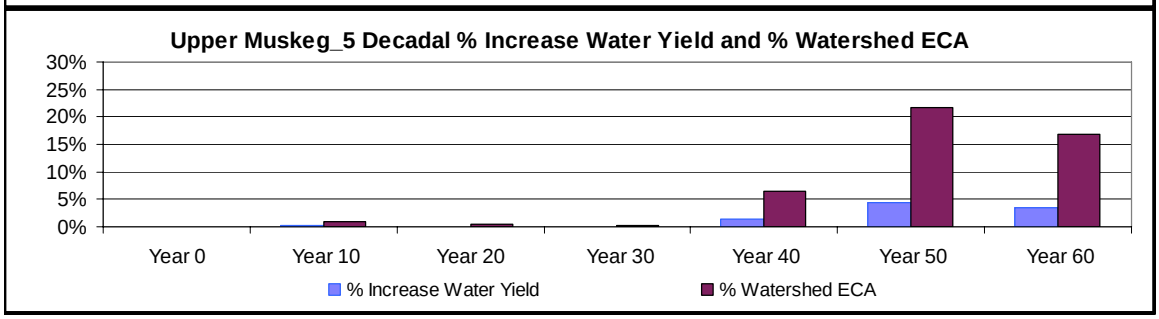

Water Yield Increase
Watershed Upper Muskeg_3
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

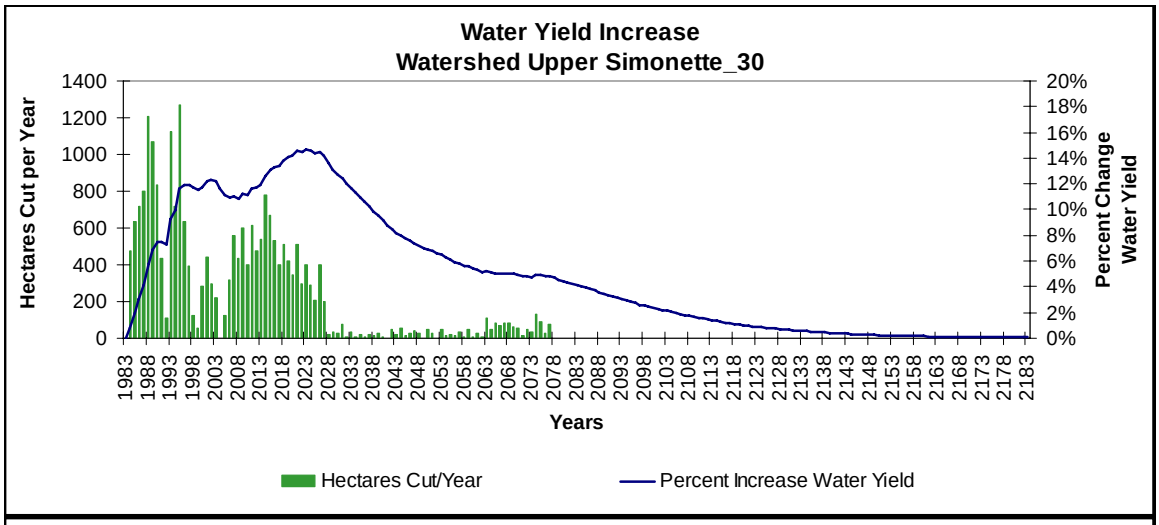

Upper Muskeg_3 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

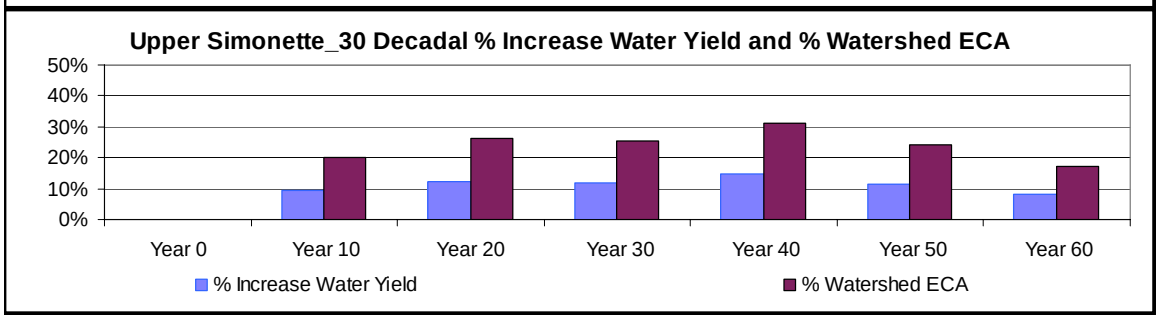

Water Yield Increase
Watershed Upper Muskeg_4
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

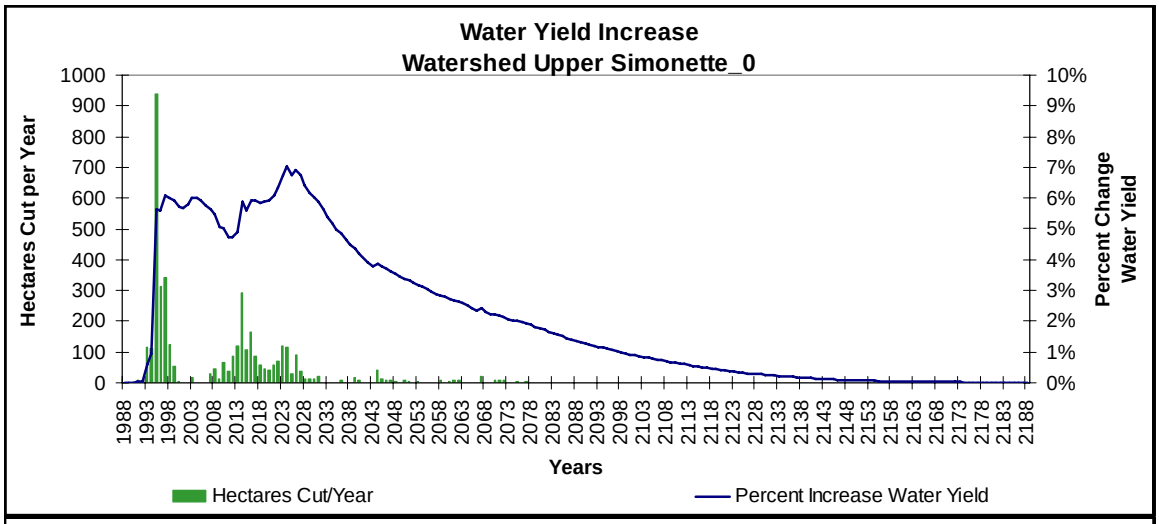

Upper Muskeg_4 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

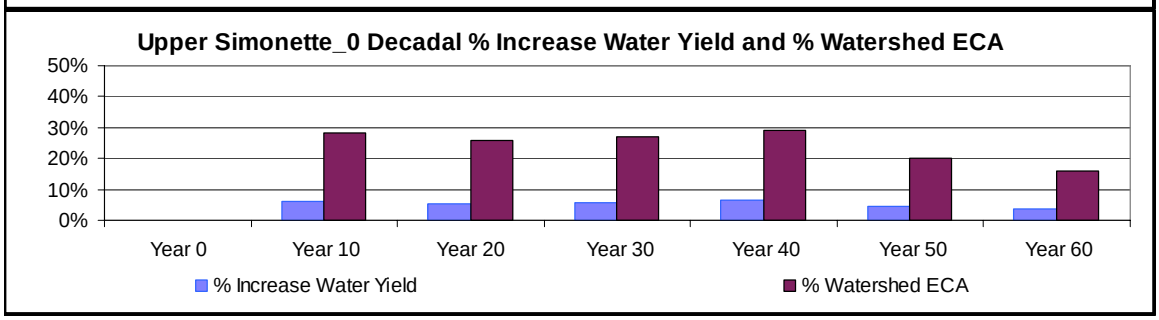

Water Yield Increase
Watershed Upper Muskeg_5
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Change

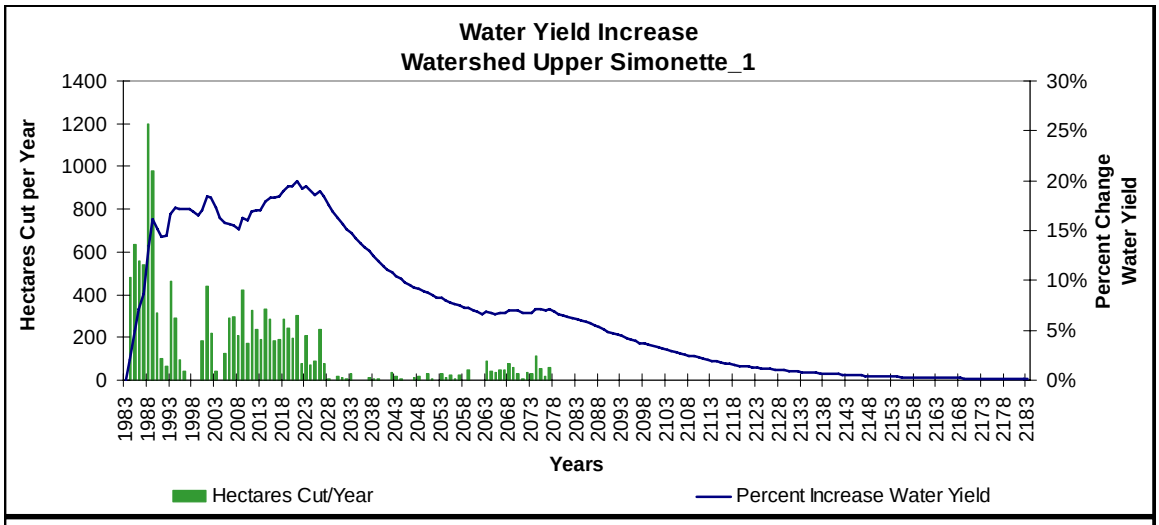

Upper Muskeg_5 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

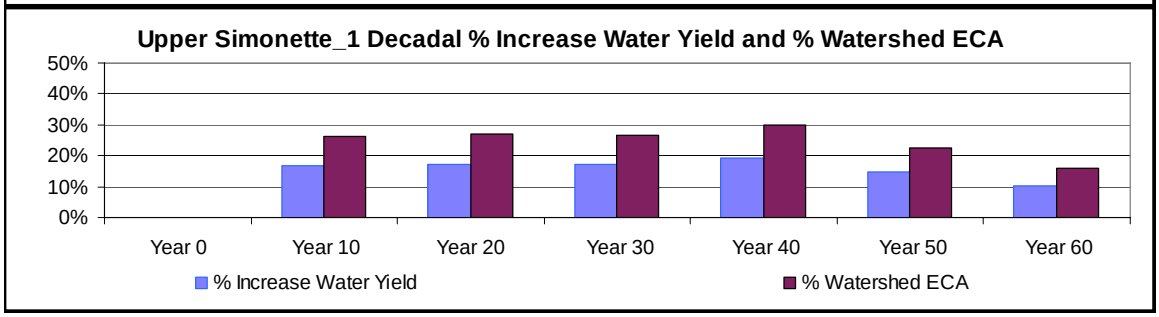

Water Yield Increase
Watershed Upper Simonette_30
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

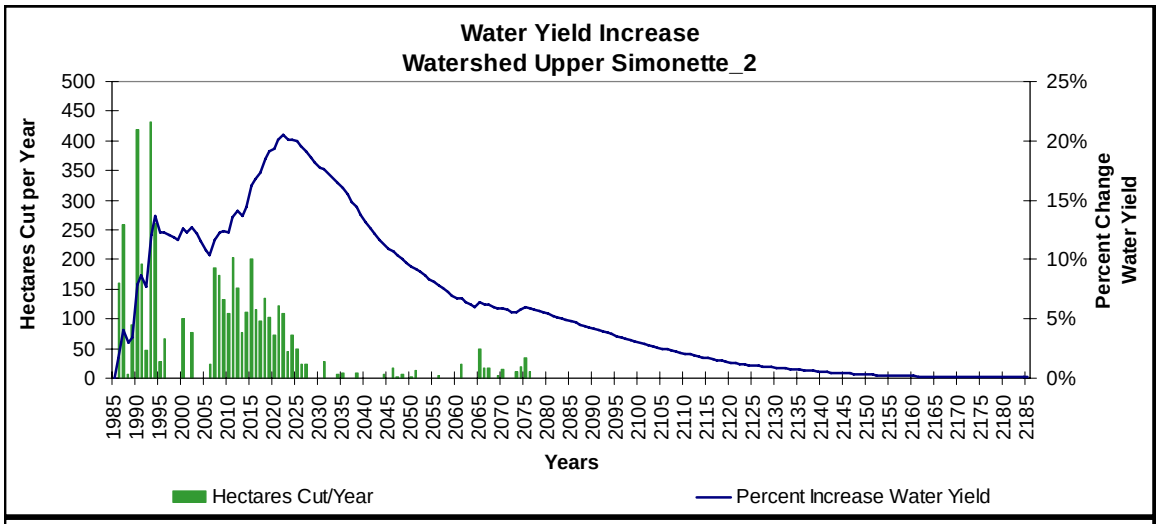

Upper Simonette_30 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

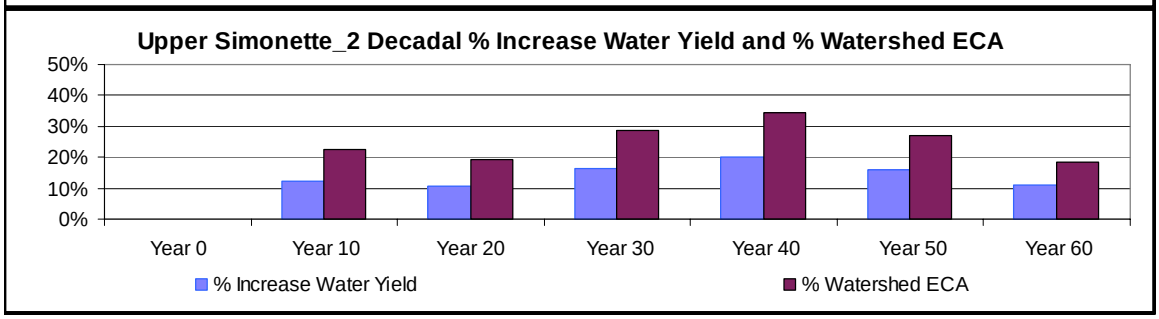

Water Yield Increase
Watershed Upper Simonette_0
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

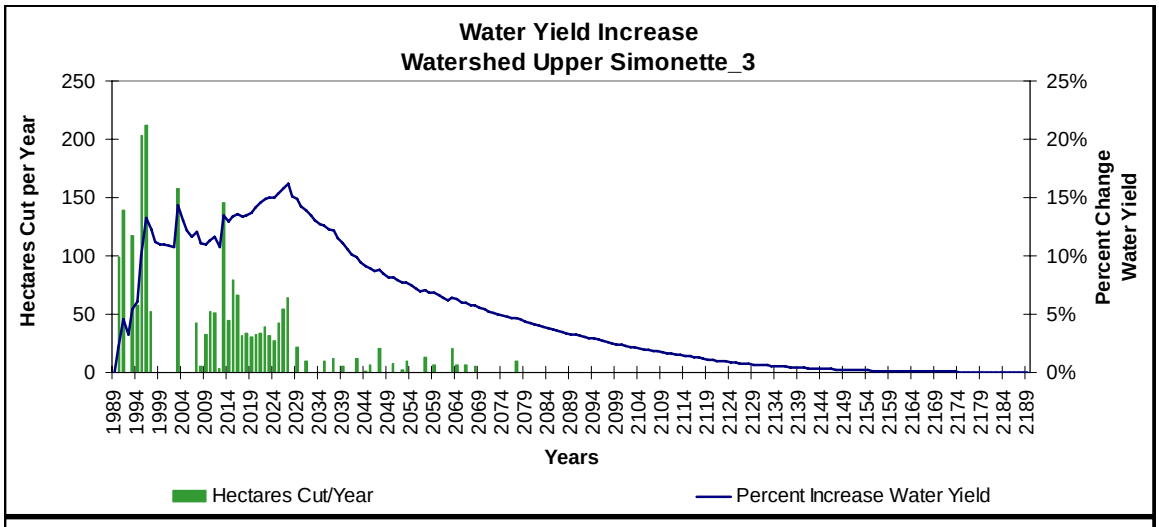

Upper Simonette_0 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

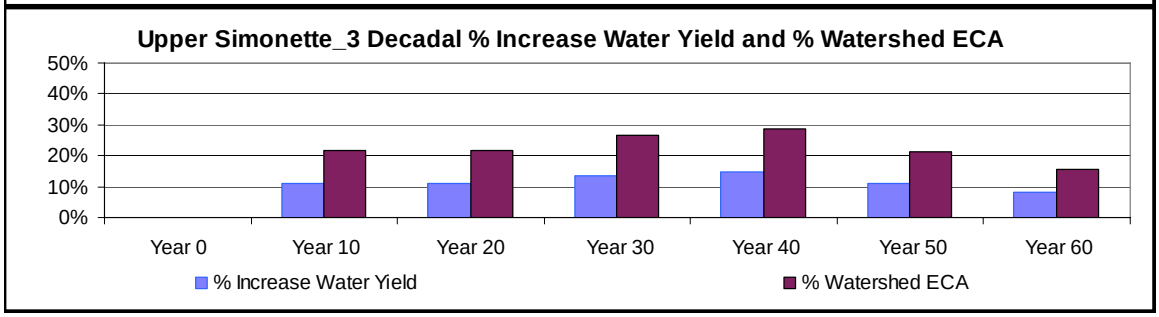

Water Yield Increase
Watershed Upper Simonette_1
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

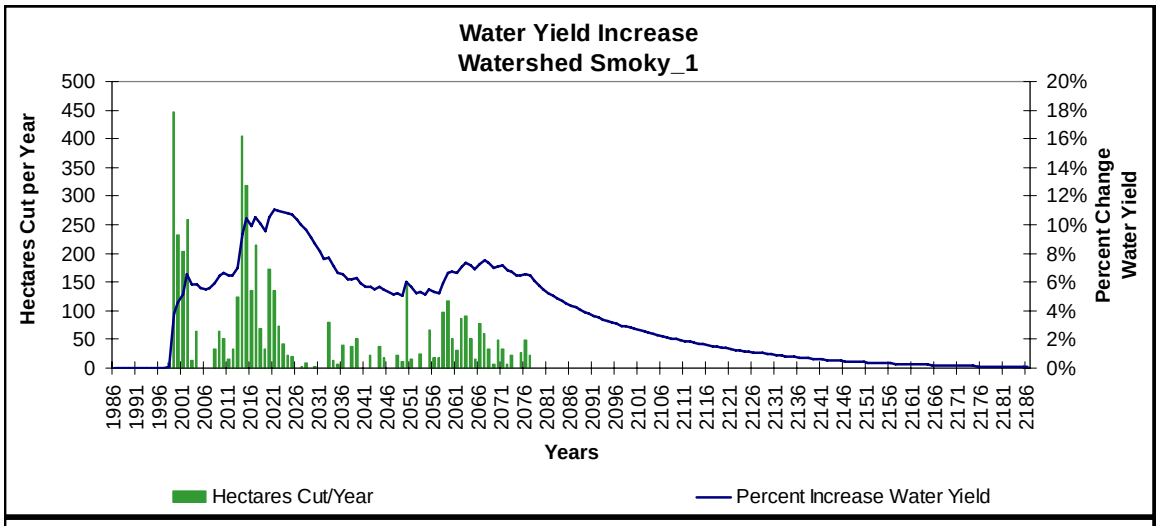

Upper Simonette_1 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

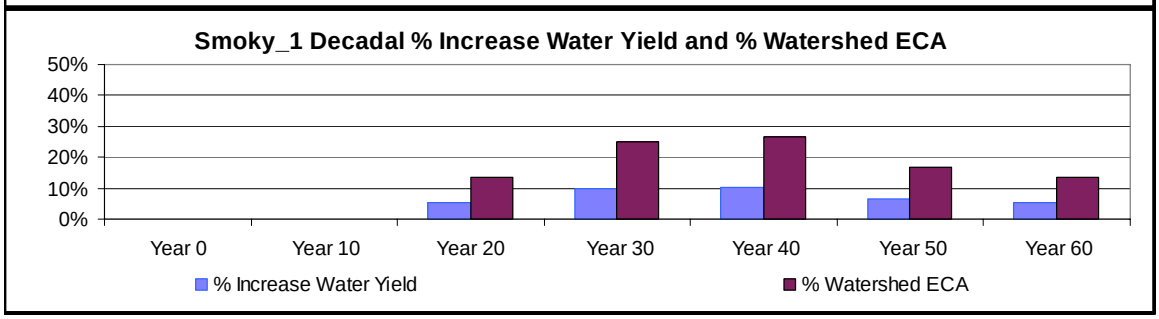

Water Yield Increase
Watershed Upper Simonette_2
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

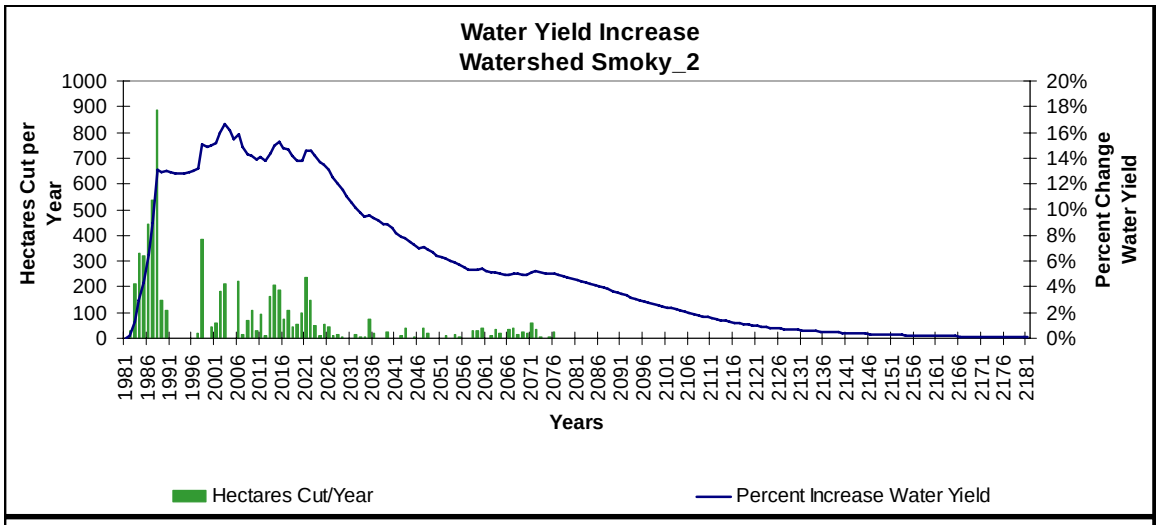

Upper Simonette_2 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

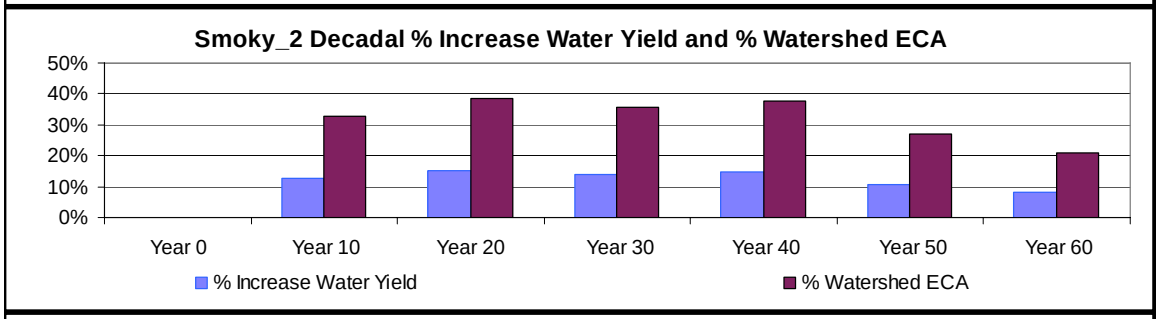

Water Yield Increase
Watershed Upper Simonette_3
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

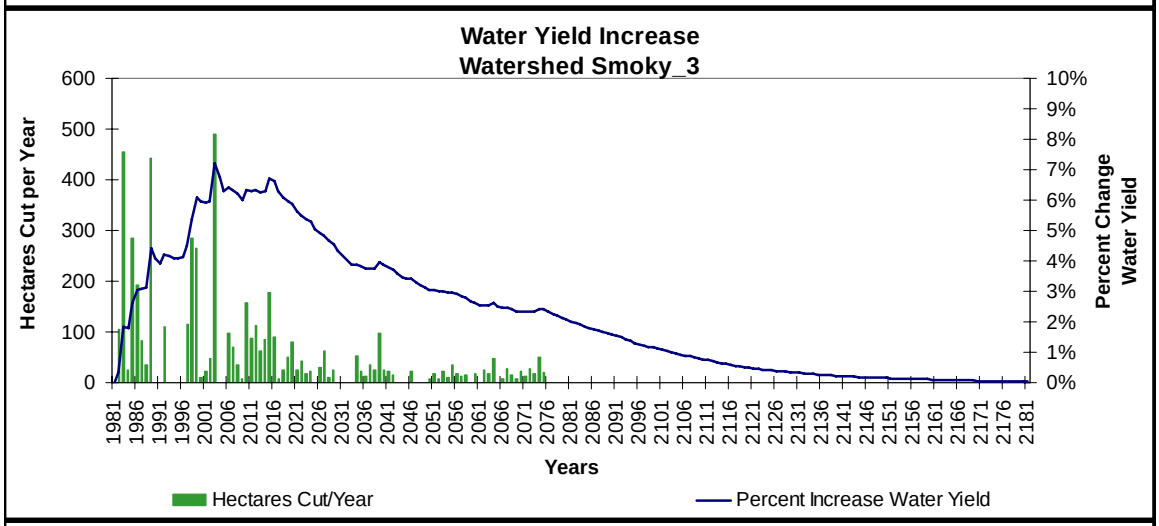

Upper Simonette_3 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA

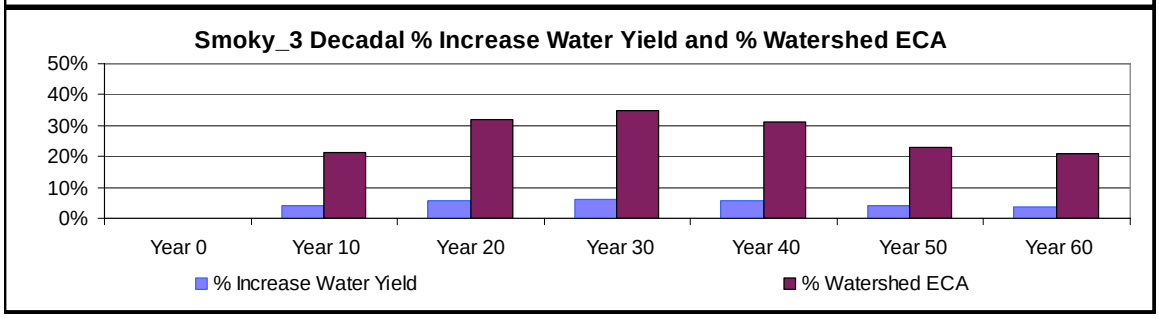

Water Yield Increase
Watershed Smoky_1
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield

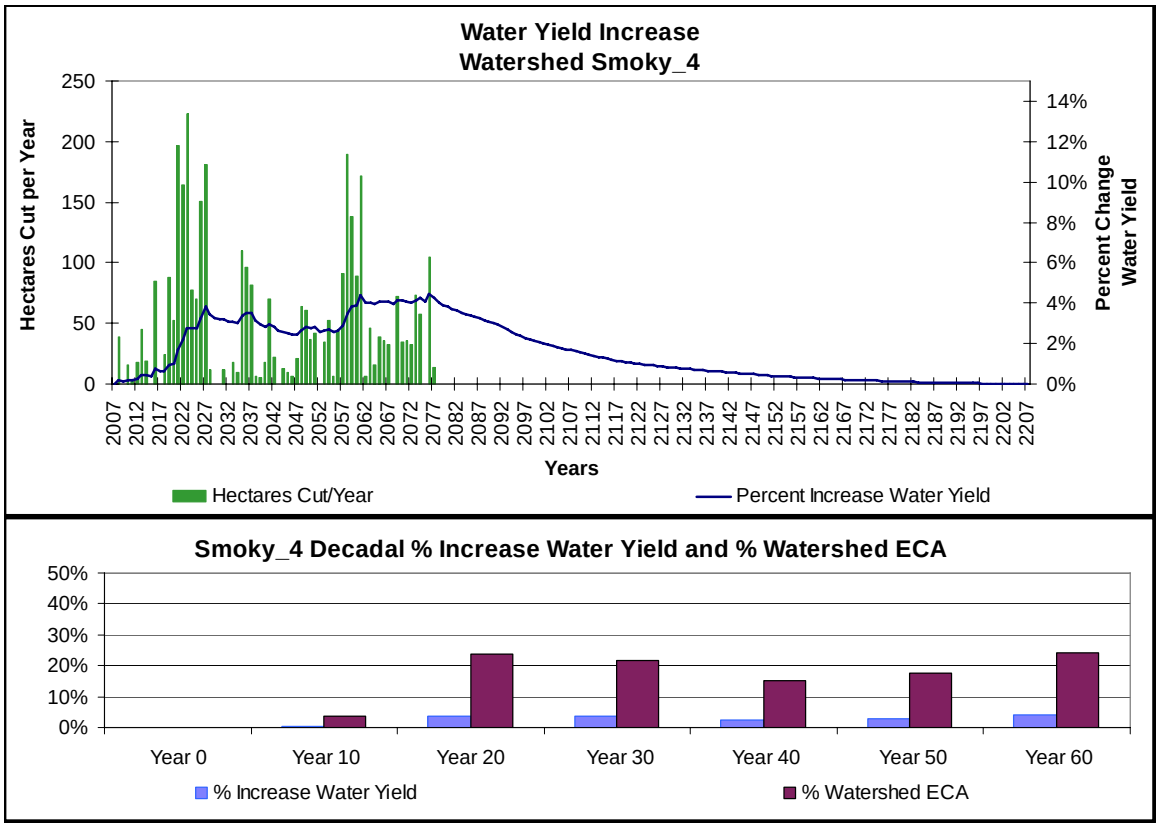

Smoky_1 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA


Water Yield Increase
Watershed Smoky_2
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield


Smoky_2 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA


Water Yield Increase
Watershed Smoky_3
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield


Smoky_3 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA


Water Yield Increase
Watershed Smoky_4
Hectares Cut per Year
Percent Change Water Yield
Years
Hectares Cut/Year
Percent Increase Water Yield
Smoky_4 Decadal % Increase Water Yield and % Watershed ECA
Year 0
Year 10
Year 20
Year 30
Year 40
Year 50
Year 60
% Increase Water Yield
% Watershed ECA