Maps of Input Data and Timber Value Indicators—CIT Central Coast Region

The key outputs—time series of harvest level, employment measures (full-time equivalents, jobs, and income), and net present value—are calculated for each landscape, and subsequently mapped onto the productive forest land base. Two key inputs to this study, the forest resource and wood cost data, are also mapped on the productive forest land base.

Maps of the Forest Resource – by Landscape, CIT Central Coast Region

Productive forest land, file name: FR1_prod_06Oct03
The extent of productive forest land.

Operable forest land, good and medium sites, old seral, file name: FR4_operGMold_06Oct03
The area of operable, old seral forest land of good and medium sites (timber productivity) as a percentage of the total area of the productive forest.

Maps of Wood Costs – by Woodshed for the LRMP Region[1]

Delivered wood cost, file name: WS1_dwc_06Oct03
Costs ($/$m^3$) associated with all phases of harvesting (development, tree-to-truck, log transportation, administration and silviculture).

Development costs, file name: WS2_dev_06Oct03
Costs ($/$m^3$) associated with the development phase of harvesting (roads, bridges and drainage structures).

Maps of Scenario Results– by Landscape, CIT Central Coast Region

(Economic values will be available only for the Central Coast LRMP area only.)

TSR Base Case Scenario (BC folder)

Harvest intensity (short term), file name: BC1_harvest20_06Oct03
Average volume harvested (m3) for short-term (20 years) under the TSR Base Case scenario.

Harvest intensity (long term), file name: BC2_harvest200_06Oct03
Average volume harvested (m3) for long-term (200 years) under the TSR Base Case scenario.

Financial Efficiency Scenario

Harvest intensity (short term), file name: NPV1_harvest20_15Oct03
Average volume harvested (m3) for short-term (20years) under the Financial Efficiency scenario.

Harvest intensity (long term), file name: NPV2_harvest200_15Oct03
Average volume harvested (m3) for long-term (200 years) under the financial efficiency scenario.

[1] The source of the data for the wood cost and value maps is the Central Coast Woodshed Model (Timberline Forest Inventory Consultants, 2000)

Average harvest net revenue, file name: NPV3_revenue_15Oct03
Average (over 20 years) annual net revenue ($) under the financial efficiency scenario.

Average employment income within the region, file name: NPV4_emIncome_15Oct03
Average (over 20 years) annual employment income ($) under the financial efficiency scenario.

Average employment (FTEs) within the region, file name: NPV8_FTE_15Oct03
Average (over 20 years) employment (FTEs) within region under the financial efficiency scenario.

Net present value of future harvests, file name: NPV9_NPV_15Oct03
Net present value ($), calculated at a discount rate of 5%, of future harvests of timber.

EBM Low Risk Scenario

Harvest intensity (short term), file name: EBML1_harvest20_15Oct03
Average volume harvested (m3) for short-term (20 years) under the EBMHP Low Stand-Level Risk scenario.

Harvest intensity (long term), file name: EBML2_harvest200_15Oct03
Average volume harvested (m3) for long-term (200 years) under the EBMHP Low Stand-Level Risk scenario.

Average harvest net revenue, file name: EBML3_revenue_15Oct03
Average (over 20 years) annual net revenue ($) under the EBMHP Low Stand-Level Risk scenario.

Average employment income within the region, file name: EBML4_emIncome_15Oct03
Average (over 20 years) annual employment income ($) under the EBMHP Low Stand-Level Risk scenario.

Average employment (FTEs) within the region, file name: EBML8_FTE_15Oct03
Average (over 20 years) employment (FTEs) within region under the EBMHP Low Stand-Level Risk scenario.

Net present value of future harvests, file name: EBML9_NPV_15Oct03
Net present value ($), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

EBMPH Intermediate Stand-Level Risk Scenario

Harvest intensity (short term), file name: EBMI1_harvest20_15Oct03
Average volume harvested (m3) for short-term (20 years) under the EBMHP Intermediate Stand-Level Risk scenario.

Harvest intensity (long term), file name: EBMI2_harvest200_15Oct03
Average volume harvested (m3) for long-term (200 years) under the EBMHP Intermediate Stand-Level Risk scenario.

Average harvest net revenue, file name: EBMI3_revenue_15Oct03
Average (over 20 years) annual net revenue ($) under the EBMHP Intermediate Stand-Level Risk scenario.

Average employment income within the region, file name: EBMI4_emIncome_15Oct03
Average (over 20 years) annual employment income ($) under the EBMHP Intermediate Stand-

Average employment (FTEs) within the region, file name: EBMI8_FTE_15Oct03
Average (over 20 years) employment (FTEs) within region under the EBMHP Intermediate Stand-Level Risk scenario.

Net present value of future harvests, file name: EBMI9_NPV_15Oct03
Net present value ($), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

EBMHP High Stand-Level Risk Scenario

Harvest intensity (short term), file name: EBMH1_harvest20_15Oct03
Average volume harvested (m3) for short-term (20 years) under the EBMHP High Stand-Level Risk scenario.

Harvest intensity (long term), file name: EBMH2_harvest200_15Oct03
Average volume harvested (m3) for long-term (200 years) under the EBMHP High Stand-Level Risk scenario.

Average harvest net revenue, file name: EBMH3_revenue_15Oct03
Average (over 20 years) annual net revenue ($) under the EBMHP High Stand-Level Risk scenario.

Average employment income within the region, file name: EBMH4_emIncome_15Oct03
Average (over 20 years) annual employment income ($) under the EBMHP High Stand-Level Risk scenario.

Average employment (FTEs) within the region, file name: EBMH8_FTE_15Oct03
Average (over 20 years) employment (FTEs) within region under the EBMHP High Stand-Level Risk scenario.

Net present value of future harvests, file name: EBMH9_NPV_15Oct03
Net present value ($), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

Violations of Landscape-level Retention Constraints, CIT Central Coast Region

Area (ha) presently in violation, file name: EBM_Violations_03Nov03
Map of area (ha) presently in violation of landscape-level retention constraints as applied under the EBMPH scenarios.

CC Violation Table
Spreadsheet listing area (ha) in violation of landscape-level retention constraints projected over time.

Maps of Input Data and Timber Value Indicators—CIT North Coast Region

Maps of the Forest Resource – by Landscape, CIT North Coast Region

Productive forest land, file name: NC_FR1_prod_25Feb04
The extent of productive forest land.

Operable forest land, good and medium sites, old seral, file name: NC_FR3_operGMold_25Feb04
The area of operable, old seral forest land of good and medium sites (timber productivity) as a percentage of the total area of the productive forest.

Maps of Wood Costs – by Woodshed for the North Coast LRMP Region[2]

Delivered wood cost, file name: NC_WS1_dwc_25Feb04
Costs ($/m^3) associated with all phases of harvesting (development, tree-to-truck, log transportation, administration and silviculture).

Development costs, file name: NC_WS2_dev_25Feb04
Costs ($/m^3) associated with the development phase of harvesting (roads, bridges and drainage structures).

Maps of Scenario Results– by Landscape, CIT North Coast Region

(Economic values will be available only for the Central Coast LRMP area only.)

TSR Base Case Scenario (BC folder)

Harvest intensity (short term), file name: BC1_harvest20_23Feb04.pdf
Average volume harvested (m3) for short-term (20 years) under the TSR Base Case scenario.

Harvest intensity (long term), file name: BC2_harvest200_24Feb04.pdf
Average volume harvested (m3) for long-term (200 years) under the TSR Base Case scenario.

Average harvest net revenue, file name: BC3_revenue_24Feb04.pdf
Average (over 20 years) annual net revenue ($) under the Base Case scenario.

Average employment income within the region, file name: BC4_emIncome_24Feb04.pdf
Average (over 20 years) annual employment income ($) under the Base Case scenario.

Average employment (FTEs) within the region , file name BC8_FTE_24Feb04.pdf
Average (over 20 years) employment (FTEs) within the region under the Base Case scenario.

Net present value of future harvests, file name BC9_NPV_25Feb04.pdf
Net present value ($), calculated at a discount rate of 5%, of future harvests (200 years) of timber for the Base Case scenario.

[2] The source of the data for the wood cost and value maps is the North Coast Woodshed Model (Timberline Forest Inventory Consultants, 2002)

Average harvest per hectare (short term), file name BC10_harvest20_ha_27Feb04.pdf
Average volume harvested (m3/ha) for the short-term (20 years) under the Base Case scenario. Unit area is timber harvesting land base.

Average harvest net revenue per hectare, file name BC11_revenue_ha_27Feb04.pdf
Average (over 20 years) annual net revenue ($/ha) under the Base Case scenario. Unit area is timber harvesting land base.

Net present value per hectare of future harvests, file name BC12_NPV_ha_27Feb04.pdf
Net present value ($/ha), calculated at a discount rate of 5%, of future harvests (200 years) of timber for the Base Case scenario. Unit area is timber harvesting land base.

Financial Efficiency Scenario

The Financial Efficiency scenario determines an even flow harvest schedule that maximizes the net present value (NPV) of the region.

Harvest intensity (short term), file name: NPV1_harvest20_25Feb04.pdf
Average volume harvested (m3) for short-term (20years) under the Financial Efficiency scenario.

Harvest intensity (long term), file name: NPV2_harvest200_25Feb04.pdf
Average volume harvested (m3) for long-term (200 years) under the financial efficiency scenario.

Average harvest net revenue, file name: NPV3_revenue_25Feb04.pdf
Average (over 20 years) annual net revenue ($) under the financial efficiency scenario.

Average employment income within the region, file name: NPV4_emIncome_25Feb04.pdft03
Average (over 20 years) annual employment income ($) under the financial efficiency scenario.

Average employment (FTEs) within the region, file name: NPV8_FTE_25Feb04.pdf
Average (over 20 years) employment (FTEs) within region under the financial efficiency scenario.

Net present value of future harvests, file name: NPV9_NPV_25Feb04.pdf
Net present value ($), calculated at a discount rate of 5%, of future harvests of timber.

Average harvest per hectare (short term), file name NPV10_harvest20_ha_25Feb04.pdf
Average volume harvested (m3/ha) for the short-term (20 years) under the Financial Efficiency scenario.

Average harvest net revenue per hectare, file name NPV11_revenue_ha_25Feb04.pdf
Average (over 20 years) annual net revenue ($/ha) under the Financial Efficiency scenario.

Net present value per hectare of future harvests, file name NPV12_NPV_ha_25Feb04.pdf
Net present value ($/ha), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

EBMPH Intermediate Stand-Level Risk Scenario

The EBMPH Intermediate Stand-Level Risk scenario models low environmental risk at the subregional level, and intermediate environmental risk (or less)at the landscape level. Unit area is timber harvesting land base.

Harvest intensity (short term), file name: EBMI1_harvest20_25Feb04.pdf
Average volume harvested (m3) for short-term (20 years) under the EBMHP Intermediate Stand-Level Risk scenario.

Harvest intensity (long term), file name: EBMI2_harvest200_25Feb04.pdf
Average volume harvested (m3) for long-term (200 years) under the EBMHP Intermediate Stand-Level Risk scenario.

Average harvest net revenue, file name: EBMI3_revenue_25Feb04.pdf
Average (over 20 years) annual net revenue ($) under the EBMHP Intermediate Stand-Level Risk scenario.

Average employment income within the region, file name: EBMI4_emIncome_25Feb04.pdf
Average (over 20 years) annual employment income ($) under the EBMHP Intermediate Stand-Level Risk scenario.

Average employment (FTEs) within the region, file name: EBMI8_FTE_25Feb04.pdf
Average (over 20 years) employment (FTEs) within region under the EBMHP Intermediate Stand-Level Risk scenario.

Net present value of future harvests, file name: EBMI9_NPV_25Feb04.pdf
Net present value ($), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

Average harvest per hectare (short term), file name EBMI10_harvest20_ha_25Feb04.pdf
Average volume harvested (m3/ha) for the short-term (20 years) under the EBM Intermediate Risk scenario.

Average harvest net revenue per hectare, file name EBMI11_revenue_ha_25Feb04.pdf
Average (over 20 years) annual net revenue ($/ha) under the EBM Intermediate Risk scenario.

Net present value per hectare of future harvests, file name EBMI12_NPV_ha_25Feb04.pdf
Net present value ($/ha), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

Violations of Landscape-level Retention Constraints, CIT North Coast Region

Area (ha) presently in violation, file name: NC_Violations_25Feb04.pdf
Map of area (ha) presently in violation of landscape-level retention constraints as applied under the EBMPH scenarios.

NC Violation Table:
Spreadsheet listing area (ha) in violation of landscape-level retention constraints projected over time.

Maps of Input Data and Timber Value Indicators—CIT Haida Gwaii Region[3]

Maps of the Forest Resource – by Landscape, CIT Haida Gwaii Region

Productive forest land, file name: QCI_FR1_Prod_21Mar04.pdf
The extent of productive forest land.

Operable forest land, good and medium sites, old seral, file name: QCI_FR3_operGM_21Mar04.pdf The area of operable, old seral forest land of good and medium sites (timber productivity) as a percentage of the total area of the productive forest.

Maps of Wood Costs – by Woodshed for the Haida Gwaii LRMP Region

Delivered wood cost, file name: QCI_WS1_dev_22Mar04.pdf
Costs ($/m^3) associated with all phases of harvesting (development, tree-to-truck, log transportation, administration and silviculture).

Development costs, file name QCI_WS1_dwc_22Mar04.pdf
Costs ($/m^3) associated with the development phase of harvesting (roads, bridges and drainage structures).

Maps of Scenario Results– by Landscape, CIT Haida Gwaii Region

(Economic values will be available only for the Central Coast LRMP area only.)

TSR Base Case Scenario (BC folder)

Harvest intensity (short term), file name: BC1_harvest20_21Mar04.pdf
Average volume harvested (m3) for short-term (20 years) under the TSR Base Case scenario.

Harvest intensity (long term), file name: BC2_harvest200_21 Mar04.pdf Average volume harvested (m3) for long-term (200 years) under the TSR Base Case scenario.

Average harvest net revenue, file name: BC3_revenue_21Mar04.pdf
Average (over 20 years) annual net revenue ($) under the Base Case scenario.

Average employment income within the region, file name: BC4_empIncome_21Mar04.pdf
Average (over 20 years) annual employment income ($) under the Base Case scenario.

Average employment (FTEs) within the region, file name BC8_FTE_21Mar04.pdf
Average (over 20 years) employment (FTEs) within the region under the Base Case scenario.

Net present value of future harvests, file name BC9_NPV_21Mar04.pdf
Net present value ($), calculated at a discount rate of 5%, of future harvests (200 years) of timber for the Base Case scenario.

[3] The source of the data for the wood cost and value maps is the Haida Gwaii/QCI Woodshed Model (Timberline Forest Inventory Consultants, 2002)

Average harvest per hectare (short term), file name BC10_harvest20_ha_21Mar04.pdf
Average volume harvested (m3/ha) for the short-term (20 years) under the Base Case scenario. Unit area is timber harvesting land base.

Average harvest net revenue per hectare, file name BC11_revenue_ha_21Mar04.pdf
Average (over 20 years) annual net revenue ($/ha) under the Base Case scenario. Unit area is timber harvesting land base.

Net present value of future harvests, file name BC12_NPV_ha_21Mar04.pdf
Net present value ($/ha), calculated at a discount rate of 5%, of future harvests (200 years) of timber for the Base Case scenario. Unit area is timber harvesting land base.

Financial Efficiency Scenario

The Financial Efficiency scenario determines an even flow harvest schedule that maximizes the net present value (NPV) of the region.

Harvest intensity (short term), file name: NPV1_harvest20_22Mar04.pdf. Average volume harvested (m3) for short-term (20years) under the Financial Efficiency scenario.

Harvest intensity (long term), file name: NPV2_harvest200_22Mar04.pdf
Average volume harvested (m3) for long-term (200 years) under the financial efficiency scenario.

Average harvest net revenue, file name: NPV3_revenue_22Mar04.pdf
Average (over 20 years) annual net revenue ($) under the financial efficiency scenario.

Average employment income within the region, file name: NPV4_empIncome_22Mar04.pdf
Average (over 20 years) annual employment income ($) under the financial efficiency scenario.

Average employment (FTEs) within the region, file name NPV8_FTE_22Mar04.pdf
Average (over 20 years) employment (FTEs) within region under the financial efficiency scenario.

Net present value of future harvests, file name: NPV9_NPV_22Mar04.pdf
Net present value ($), calculated at a discount rate of 5%, of future harvests of timber.

Average harvest per hectare (short term), file name NPV10_harvest20_ha_22Mar04.pdf
Average volume harvested (m3/ha) for the short-term (20 years) under the Financial Efficiency scenario.

Average harvest net revenue per hectare, file name NPV11_revenue_ha_22Mar04.pdf
Average (over 20 years) annual net revenue ($/ha) under the Financial Efficiency scenario.

Net present value per hectare of future harvests, file name NPV12_NPV_ha_22Mar04.pdf
Net present value ($/ha), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

EBMPH Intermediate Stand-Level Risk Scenario

The EBMPH Intermediate Stand-Level Risk scenario models low environmental risk at the subregional level, and intermediate environmental risk (or less)at the landscape level. Unit area is timber harvesting land base.

Harvest intensity (short term), file name: EBMI1_harvest20_22Mar04.pdf
Average volume harvested (m3) for short-term (20 years) under the EBMHP Intermediate Stand-Level Risk scenario.

Harvest intensity (long term), file name: EBMI2_harvest200_22Mar04.pdf
Average volume harvested (m3) for long-term (200 years) under the EBMHP Intermediate Stand-Level Risk scenario.

Average harvest net revenue, file name: EBMI3_revenue_22Mar04.pdf
Average (over 20 years) annual net revenue ($) under the EBMHP Intermediate Stand-Level Risk scenario.

Average employment income within the region, file name: EBMI4_empIncome_22Mar04.pdf
Average (over 20 years) annual employment income ($) under the EBMHP Intermediate Stand-Level Risk scenario.

Average employment (FTEs) within the region, file name: EBMI8_FTE_22Mar04.pdf
Average (over 20 years) employment (FTEs) within region under the EBMHP Intermediate Stand-Level Risk scenario.

Net present value of future harvests, file name: EBMI9_NPV_22Mar04.pdf
Net present value ($), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

Average harvest per hectare (short term), file name EBMI10_harvest20_ha_22Mar04.pdf
Average volume harvested (m3/ha) for the short-term (20 years) under the EBM Intermediate Risk scenario.

Average harvest net revenue per hectare, file name EBMI11_revenue_ha_22Mar04.pdf
Average (over 20 years) annual net revenue ($/ha) under the EBM Intermediate Risk scenario.

Net present value per hectare of future harvests, file name EBMI12_NPV_ha_22Mar04.pdf
Net present value ($/ha), calculated at a discount rate of 5%, of future harvests (200 years) of timber.

Violations of Landscape-level Retention Constraints, CIT Haida Gwaii Region

Area (ha) presently in violation, file name: QCI_Violations_22Mar04.pdf
Map of area (ha) presently in violation of landscape-level retention constraints as applied under the EBMPH scenarios.

HG Violation Table:
Spreadsheet listing area (ha) in violation of landscape-level retention constraints projected over time.