

THURSTON COUNTY COMPREHENSIVE PLAN

TABLE OF CONTENTS

CHAPTER ONE -- INTRODUCTION

- I. VISION FOR THURSTON COUNTY..... 1-1
- II. AUTHORITY FOR PLANNING 1-3
- III. THE COMPREHENSIVE PLAN AND ITS ROLE IN THE COUNTY'S PLANNING SYSTEM..... 1-5
 - A. The Role of the Comprehensive Plan..... 1-5
 - B. Joint Plans and Other Specialized Plans..... 1-6
 - C. Time Horizon. 1-7
- IV. HOW THIS DOCUMENT IS USED BY OTHERS 1-7
- V. HISTORY OF AMENDMENTS TO THE COMPREHENSIVE PLAN.....1-8
- VI. SETTING (Geography, Area, Climate, Economy, Population Projections) 1-9

CHAPTER TWO -- LAND USE

- I. INTRODUCTION..... 2-1
- II. URBAN GROWTH AREAS..... 2-2
 - A. History and Purpose of Thurston County's Urban Growth Areas... 2-2
 - B. Growth Management Act Requirements for Urban Growth Areas.. 2-3
 - C. Subarea Planning..... 2-4
- III. POPULATION ALLOCATION AND FORECAST.....2-5
 - A. Growth Trends and Density.....2-7
- IV. LAND USE DESIGNATIONS 2-8
 - A. General Land Use Guidelines 2-8
 - B. Rural Area Designations 2-10

V. LANDS FOR PUBLIC PURPOSES..... 2-31
 A. Olympia Airport Area.....2-32
VI. LAND USE DECISION-MAKING 2-36
VII. GOALS, OBJECTIVES AND POLICIES 2-37

CHAPTER THREE -- NATURAL RESOURCE LANDS

I. AGRICULTURE RESOURCES..... 3-1
II. AQUACULTURE RESOURCES 3-8
III. FOREST RESOURCES 3-9
IV. MINERAL RESOURCES 3-13
V. GOALS, OBJECTIVES AND POLICIES 3-17

CHAPTER FOUR -- HOUSING

I. INTRODUCTION 4-1
II. MEETING HOUSING NEEDS 4-3
III. HOUSING ALTERNATIVES 4-11
IV. SPECIAL NEEDS..... 4-15
V. PRESERVATION 4-19
VI. GOALS, OBJECTIVES AND POLICIES 4-19

CHAPTER FIVE -- TRANSPORTATION

I. INTRODUCTION 5-1
 A. Critical Issues..... 5-1
 B. Requirements of the State Growth Management Act 5-2
 C. County-Wide Planning Policies 5-4

D. Thurston Regional Transportation Plan 5-4

II. HIGHWAYS AND ROADS 5-5

 A. Design and Locational Standards 5-5

 B. Level of Service 5-7

 C. Existing County Roadway System 5-10

 D. Future Capacity Needs 5-11

 E. Roadway Maintenance Needs 5-12

 F. Safety and Design Standard Improvements 5-12

 G. State Highways 5-12

III. TRANSIT SERVICE 5-18

 A. Service Types Provided 5-18

 B. Service Area 5-19

 C. The Future of Transit Services in Thurston County 5-19

IV. BICYCLES 5-20

 A. Bikeway Classification 5-20

 B. Current Network 5-23

 C. Future Network 5-23

V. RAIL AND AIR TRANSPORTATION SYSTEM 5-24

 A. Rail Transportation 5-24

 B. Air Transportation 5-25

VI. GOALS, OBJECTIVES AND POLICIES 5-27

CHAPTER SIX -- CAPITAL FACILITIES

I. INTRODUCTION 6-1

 A. Public Involvement in Planning 6-2

 B. Environmental Impacts 6-3

 C. Paying for Capital Facilities 6-3

 D. Coordination with Growth 6-5

 D. Coordination with Budget & Related Documents 6-5

II. LEVEL OF SERVICE STANDARDS 6-7

III. EFFECT ON LOCAL TAXES AND FEES 6-12

IV. SUMMARY OF SIX-YEAR FINANCING PLAN 6-14

V. COUNTY CAPITAL FACILITIES 6-16

- A. Regional Parks, Trails, Open Spaces And Preserves..... 6-16**
- B. Solid Waste 6-20**
- C. Stormwater Facilities 6-24**
- D. Water And Sewer Systems 6-29**
- E. Transportation 6-34**
- F. County Buildings 6-42**
- G. Thurston County Inventory of Public Facilities..... 6-45**

VI. PUBLIC PURPOSE LANDS.....6-56

CHAPTER SEVEN -- UTILITIES

I. INTRODUCTION 7-1

II. EXISTING FACILITIES 7-3

- A. Electricity 7-3**
- B. Natural Gas 7-4**
- C. Standard Telephone..... 7-5**
- D. Cellular Telephone 7-6**
- E. Cable 7-6**
- F. County-Owned and/or Operated Facilities.....7-6**

III. PROPOSED FACILITIES..... 7-7

- A. Electricity 7-7**
- B. Natural Gas 7-8**
- C. Standard Telephone..... 7-8**
- D. Cellular Telephone 7-9**
- E. Cable 7-9**
- F. County-Owned and/or Operated Facilities.....7-9**

IV. GOALS, OBJECTIVES AND POLICIES 7-9

CHAPTER EIGHT -- ECONOMIC DEVELOPMENT

I. INTRODUCTION 8-1

II. THURSTON COUNTY ECONOMY 8-2

III. ECONOMIC DEVELOPMENT IN THURSTON COUNTY 8-6

IV. GOALS, OBJECTIVES AND POLICIES 8-8

CHAPTER NINE -- NATURAL ENVIRONMENT

I. INTRODUCTION 9-1

II. BACKGROUND 9-1

A. Environmental Features.....9-1

B. Water Resources.....9-2

C. Natural Hazards.....9-4

D. Important Greenspaces.....9-5

III. GOALS, OBJECTIVES AND POLICIES 9-6

A. Geologic Hazard Areas.....9-6

B. Groundwater and Aquifer Recharge Areas.....9-7

C. Surface Water.....9-11

D. Frequently Flooded Areas.....9-14

E. Important Fish, Wildlife, and Plant Habitat.....9-15

F. Greenspaces.....9-19

G. Air Quality.....9-22

H. Management Approaches.....9-23

CHAPTER TEN – ARCHAEOLOGICAL AND HISTORIC RESOURCES

I. INTRODUCTION 10-1

II. GOALS, OBJECTIVES AND POLICIES 10-8

CHAPTER ELEVEN -- PLAN AMENDMENTS

I. GENERAL PROVISIONS..... 11-1

- A. Growth Management Act Compliance 11-1**
- B. Timing 11-1**

II. TYPES OF COMPREHENSIVE PLAN AMENDMENTS..... 11-1

- A. Multiple Processes..... 11-1**
- B. Legislative and Quasi-Judicial Amendments..... 11-2**

III. APPEALS..... 11-3

- A. Growth Management Hearings Board Review 11-3**
- B. Judicial Review 11-3**

CHAPTER TWELVE -- GLOSSARY..... 12-1

CHAPTER THIRTEEN -- APPENDICES

- A. Thurston County HistoryA-1**
- B. Gen'l steps for Annual Comp Plan AmendmentsB-1**
- C. Descriptions of Related Plans, Studies and RegulationsC-1**
- D. List of Plan AmendmentsD-1**
- E. Traffic Forecast Volumes E-1**
- F. State Transportation Facilities in Thurston County.....**

TABLES, EXHIBITS AND MAPS

Page

TABLES

Land Use:

Table 2-1 Estimated Capacity for Urban Population Growth 2-6
 Table 2-1A Percentage of Land Allocated for Rural Uses.....2-12

Natural Resource Lands:

Table 3-1 Washington State Private Forest Land Grades..... 3-11

Housing:

Table 4-1 Thurston County Estimated Population Increase..... 4-2
 Table 4-2 Residential Lands Supply and Demand, Thurston County 4-5
 Table 4-3 Average Achieved Density by Generalized Density Category, Residential and Mixed Use Zoning.....4-6
 Table 4-4 Thurston County Median Income 4-8
 Table 4-5 Income Thresholds Used in Affordable Housing Needs Assessment, Thurston County, 2000 and 1990.....4-8
 Table 4-6 Thurston County Housing Cost Comparison, 1970 - 2000 4-9
 Table 4-7 Thurston County Housing Units by Indicators of Substandard Conditions 4-10
 Table 4-8 Estimate of Affordable Housing Needs, 2000.....4-10
 Table 4-9 Single Family Housing Types and Construction 4-13
 Table 4-10 Subsidized Housing Units in the Thurston County Region as of 2004 4-17
 Table 4-11 Housing Unit Age in Thurston County..... 4-19

Transportation:

Table 5-1 Level of Service Characteristics by Roadway Type 5-8
 Table 5-2 Private Airports - Thurston County 5-26
 Table 5-2A Public Use Airports..... 5-27

Capital Facilities:

Table 6-1 Level of Service Standards and Comparison to Previous CFP 6-7
 Table 6-2 Level of Service Change from Existing Standards..... 6-11
 Table 6-3 Effect on Local Taxes and Fees 6-12
 Table 6-4 Summary of 2005 – 2010 Capital Costs 6-6
 Table 6-5 Summary Six Year Financing Plan 2005 - 2010..... 6-15
 Table 6-6 Parks & Recreation Capital Projects 2005 - 2010..... 6-19

TABLE OF CONTENTS

Thurston County Comprehensive Plan

Table 6-7 Solid Waste Capital Projects 2005 - 2010 6-23
Table 6-8 Stormwater Capital Facilities 2005 - 2010..... 6-28
Table 6-9 Sewer & Water Capital Projects 2005 - 2010 6-33
Table 6-10 Roads and Transportation Capital Projects 2005 - 2010..... 6-38
Table 6-11 Thurston County Buildings Capital Projects 2005 - 2010 6-44
Table 6-12 Thurston County Inventory of Public Facilities 6-45
Table 6-13 Facilities of Other Public Entities..... 6-57
**Table 6-14 Distinguishing Public Purpose Lands From
Essential Public Facilities 6-62**
**Table 6-15 Interjurisdictional Shared Needs for Public
Purpose Lands 6-64**

Economic Development:

**Table 8-1 Comparison of Thurston County Economic Sectors by
Employment and Wage Earnings 8-4**
**Table 8-2 Trade and Service Employment Economic Sector
Changes by Total Increase and Average Annual
Rate of Increase 8-5**
**Table 8-3 Land Zoned for Commercial and Industrial Uses
Adjusted to Remove Water Feature Coverage on Sites..... 8-7**

Archaeological and Historic Resources:

Table 10-1 Historic Sites.....10-10

EXHIBITS

Land Use:

Exhibit A - Olympia Airport with overlay zone.....	2-31
--	------

Transportation:

Exhibits B-F-Rural Area Roadway Design Standards.....	5-11
Exhibit G County Transit Service	5-13
Exhibit H Class I Bike Path	5-17
Exhibit I Class II Bike Lane.....	5-17
Exhibit J Class III Bike Route.....	5-18
Exhibit K Class IV Bike Route	5-18

Appendix E: (*Exhibits L-Q (amended 2004) follow Appendix E*)

Exhibit L - 2000 Traffic Volume Counts - Olympia UGA	E-2
Exhibit M - 2000 Traffic Volume Counts - Lacey UGA	E-3
Exhibit N - 2000 Traffic Volume Counts - Tumwater UGA	E-4
Exhibit O - Projected 2025 Traffic Volumes for Olympia UGA	E-5
Exhibit P Projected 2025 Traffic Volumes for Lacey UGA.....	E-6
Exhibit Q Projected 2025 Traffic Volumes for Tumwater UGA	E-7

MAPS

Except where noted, these maps are not included in the Comprehensive Plan, but may be purchased separately or viewed online at www.geodata.org. *Maps are also available at a larger scale from Thurston Geodata. All of the maps included in the Comprehensive Plan were updated in 2004.* Maps are located following the associated chapter.

Map 1	-	Unincorporated Thurston County
Map 2	-	Geologic Hazard Areas
Map 3	-	Physiography
Map 4	-	Drainage Basins
Map 5	-	Flood Plains
Map 6	-	Wetlands
Map 7	-	Aquifers
Map 8	-	Aquifer Sensitive Areas
Map 9	-	Fish Bearing Streams
Map 10	-	Special Plants, Animals and Plant Communities
Map 11	-	Noise Impact Areas
Map 13	-	Existing Land Use
Map 14	-	Urban Growth Areas (Chapter 2)
Map 15	-	Future Land Use (Chapter 2)
Map 15-A	-	Public Purpose Lands (Chapter 2)
Map 17	-	Shorelines
Map 18	-	Public Lands
Map 20	-	Sub-Area Boundaries
Map 21	-	Industrial Lands
Map 22	-	Commercial Lands
Map 25	-	Existing Farmland
Map 26	-	Commercial Agriculture Areas
Map 27	-	Forestry

- Map 28 - Commercial Forestry Areas
- Map 30 - Open Space Tax Land
- Map 31 - Important Greenspaces (Chapter 9)**
- Map 32 - Historic Sites (Chapter 10)**
- Map 33 - Existing and Future Roadways - County Roadway Functional Classifications (Chapter 5)**
- Map 34 - Transit Service Area & Routes (Chapter 5)**
- Map 35 - Existing and Future Bikeways (Chapter 5)**
- Map 36 - Public Recreation Facilities
- Map 37 - Water Service
- Map 38 - Sewer Service
- Map 40 - Multi-Modal Facilities (Chapter 5)**
- Map 41 - Rail Lines (Chapter 5)**
- Map 42 - Designated Agriculture and Forest Lands (Chapter 3)**
- Map 43 - Designated Mineral Resource Lands (Chapter 3)**
- Map 44 - Existing and Proposed Private Utilities: Electricity and Natural Gas (Chapter 7)**
- Map 45 - Existing and Proposed Private Utilities: Telecommunications (Chapter 7)**
- Map 46 - 2025 Forecast Traffic Volumes Outside Urban Growth Areas (Chapter 5)**
- Map 47 - 2004 Actual Traffic Counts Outside Urban Growth Areas (Chapter 5)**
- Map 48 - Two-Hour P.M. Peak Level of Service Policy by Geography (Chapter 5)**