

## 1 APPENDIX - COASTAL COMMUNITIES

2 The Oregon coast's nearshore marine ecosystems provide social, economic and cultural  
3 value to people. Human communities are an influential part of these coastal ecosystems,  
4 which are increasingly recognized as social-ecological systems. The coastal environment,  
5 including natural resources and physical geography, influences where people live, work  
6 and recreate, which, in turn, affects local and regional economies as well as cultures.  
7 Management decisions about consumptive (e.g., fishing, mining) and non-consumptive  
8 (e.g., tourism, shipping) uses of the environment impact ecological structure and function  
9 as well as the human communities who depend on them. Ecological understanding, public  
10 awareness, and engagement of diverse constituencies can drive policy and other efforts to  
11 improve stewardship of these dynamic marine ecosystems. Select demographic and  
12 economic information about the Oregon coast presented here highlights changing  
13 relationships between nearshore natural resources and coastal communities. This  
14 information can help inform managers and others developing and implementing nearshore  
15 management policies and actions.

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17

## 18 COASTAL OREGON HISTORY

19 Underwater shell middens dated to 8,500 years before present provide evidence of human  
20 inhabitation of what is now, with higher sea levels, Oregon's nearshore marine habitat.  
21 Indigenous people living in this region developed fisheries and other resource management  
22 strategies that enabled the persistence of abundant salmon, shellfish and other food and  
23 fiber sources for millennia. Prior to European contact, Native Americans fished, hunted,  
24 tended perennial plants, gathered, and traded for sustenance. They relied on sand spits,  
25 saltwater bays, forests, tidal and intertidal estuaries, lake shorelines, river mouths and  
26 their ocean confluences for their ways of life. In addition to shell middens, archeological  
27 evidence of subsistence activities along the Oregon coastline includes fishing weirs, food  
28 processing sites, villages, and seasonal occupation camps. The diets of the Indigenous  
29 people primarily consisted of salmon and a variety of other fish species, shellfish, plants,  
30 and mammals. Pacific Northwest Native cultures were renowned for their maritime  
31 lifestyles, elaborate technologies, high population densities, sophisticated art and  
32 architectural traditions, and sociopolitical complexity.

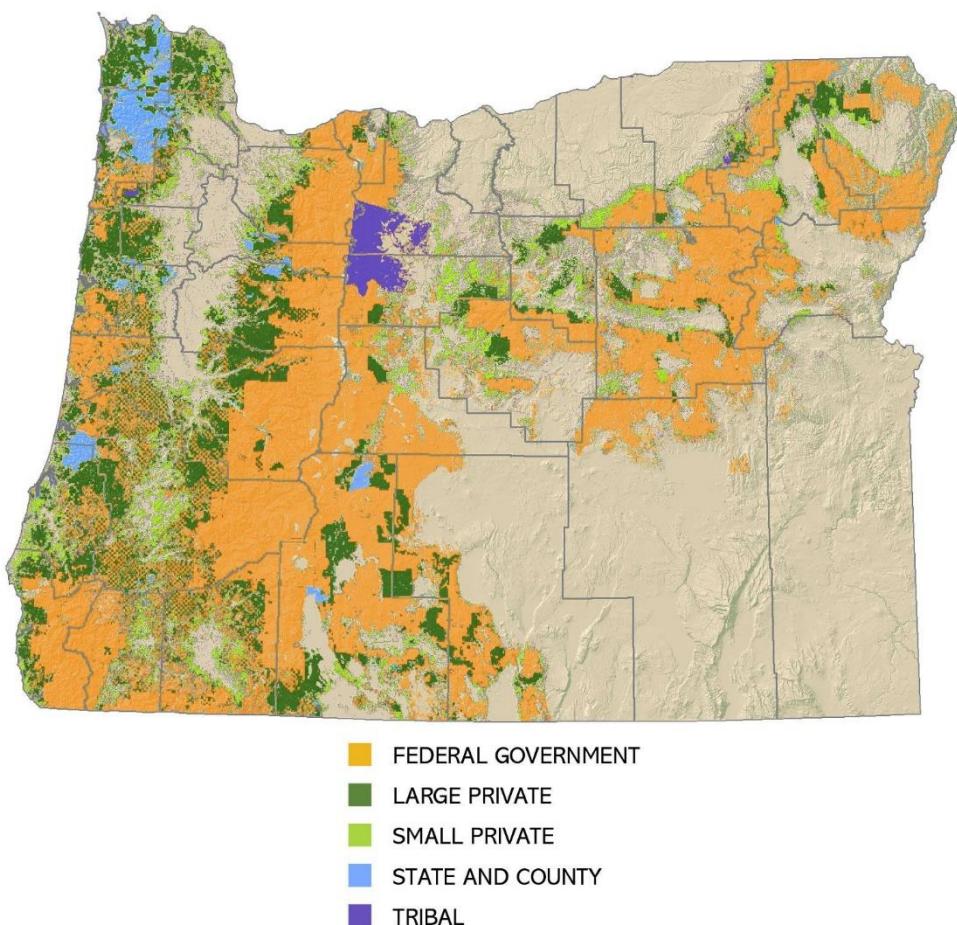
33 People native to Oregon's coast first interacted with European explorers who sailed to the  
34 Pacific Northwest. Native Americans traded with the Europeans, which helped establish  
35 the fur trade. Sea otter pelts became primarily trade items rather than a source of clothing  
36 for Indigenous people. The fur trade that extirpated sea otters from the Oregon coast more  
37 than a hundred years ago was international. This trade linked the west coast of North  
38 America to China where the furs were traded for tea, porcelain, spices and other items  
39 imported to America and Europe. International trade also drove commercial whaling,  
40 which resulted in dramatic declines of North Pacific Gray whales from the mid-1800s to  
41 1967. North Pacific gray whales, which have recovered to their historic abundance, feed in  
42 kelp beds along the Oregon Coast, attracting tourists and providing nutrients in their  
43 excretions.

44 Coastal Oregon is geographically separated from the rest of the state by a low-lying  
45 mountain range that parallels the coastline. This geography shaped Indigenous and early  
46 European settlement patterns. Coastal permanent Indigenous villages were largely  
47 isolated from each other with trails and canoe travel enabling trade networks. Beginning in  
48 the mid-1800s, white settlers homesteaded along the rivers and bottomlands where  
49 subsistence agriculture was possible. These European settlers tended gardens and  
50 livestock while also relying on many of the same resources as the Native Americans: wild  
51 berries, deer, elk, and estuarine animals such as clams, crab, and fish. Building shelter,  
52 often in the form of log cabins, was the settlers' priority on new land claims. As these early  
53 families became more settled, larger houses and outbuildings were constructed. While  
54 local towns played important roles in trade and commerce, most early residents continued  
55 to live in rural areas. Many early towns along the Oregon Coast had brief periods of  
56 prosperity, largely based on unsustainable logging and canneries, before disappearing.

57 In the modern era, marine resource harvest has increased as human demand for food and  
58 recreation has grown, with harvest efforts expanding from estuary and shorelines to  
59 include nearshore and more distant waters. Wild salmon populations and some shellfish  
60 production have been supplemented with hatcheries and aquaculture operations.

## 61 GENERAL COASTAL OREGON POPULATION DATA

62 Most coastal residents still live near the coastline or in narrow coastal river valleys. A large  
63 proportion of the land in coastal Oregon is owned by the Federal government, the state,  
64 forest products companies, and other tribal or government entities (Figure 1). Based on the  
65 total amount of land in the region, the Oregon coast is sparsely inhabited. The eastern  
66 boundaries of five counties (Clatsop, Tillamook, Lincoln, Coos and Curry) approximate the  
67 range crest, while Lane and Douglas counties extend farther east to interior valleys. In  
68 2024, the aggregate density of the five coastal counties (excluding coastal Lane and  
69 coastal Douglas counties) was 33.8 people per square mile as compared to the state-wide  
70 population density of 44.1.

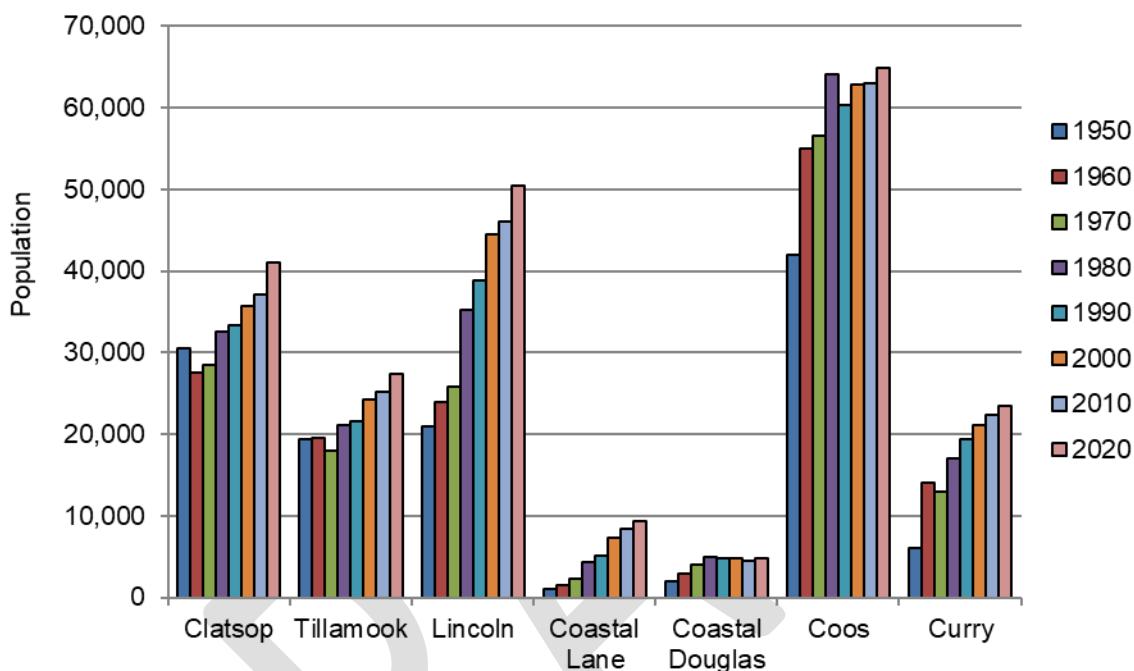


71

72 **Figure 1.** Land ownership in Oregon (Source: Oregon Forests Resource Institute, 2023).

73 While the coastal population density is low, the density within available private land  
74 suitable for residential development is higher than these figures suggest. Timberlands are  
75 94% of the land base. This situation has important implications which will be subsequently  
76 discussed. State population density has approximately doubled since 1960. Overall, the  
77 coastal population has slowly and steadily increased since the 1950s (Figure 2).

78



79

80 **Figure 2.** Populations of Coastal Counties from 1950 to 2020. Note that coastal Lane and coastal  
81 Douglas counties are approximated by the cities of Florence and Reedsport/Winchester Bay,  
82 respectively (Source: 2020 U.S. Census).

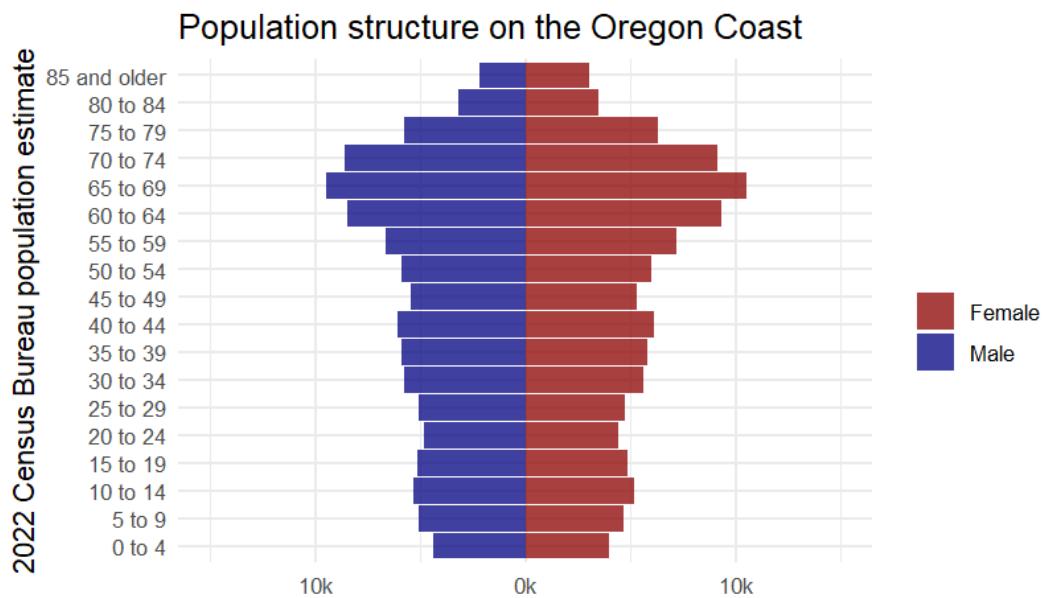
83 The population of coastal Oregon has grown (Figure 2, but more slowly than the state of  
84 Oregon as a whole. In 2000, the population of the five coastal counties was 185,460  
85 people—about 5.4% of Oregon's total population. In 2010, the population was 193,730 in  
86 the five coastal counties, which was 5.1% of Oregon's total population. In 2024, the five  
87 coastal counties comprised 4.9% (206,848) of the state's total population (4,233,358).

88 A large and growing proportion of coastal residents are retirement aged, >65 years old (

89 Figure 3). The proportion of retirement-aged coastal residents has been increasing relative  
90 to the rest of the state. The proportion of retirement aged people residing at the Oregon  
91 coast increased to 30.7% in 2020 as compared to 22.0% in 2010, while the proportion of  
92 retirement aged people statewide increased from 13.0% in 2010 to 25% in 2020. The  
93 growth rate for the Oregon coast, albeit slower than the rest of Oregon, has mostly  
94 occurred due to in-migration of both working age adults and retirees, though the retiree

95 population has grown more than other age groups. Lincoln, Curry and coastal Lane  
96 counties have experienced a higher influx of retirees than the other coastal counties.  
97 Relative to the state as a whole, the coast's population has disproportionately more people  
98 older than 50, and disproportionately fewer younger individuals. Census data shows that  
99 young adults are moving out of coastal counties, likely for education and employment  
100 opportunities. Population growth due to births within the coastal region has declined. The  
101 slower rate of growth, age structure and in-migration pattern influences the workforce and  
102 the coast's economy.

103



104 Data source: US Census Bureau population estimates & tidyCensus R package

105 **Figure 3.** Population structure on the Oregon Coast in 2022 (Source: 2022 American Community  
106 Survey).

## 107 COASTAL OREGON ECONOMIC CHARACTERISTICS

108 After European colonization, Oregon's coastal economies were primarily based on fishing,  
109 farming and logging. Since the 1990s, opportunities in natural resource industries have  
110 largely been declining while tourism and retirement-related remittances have increased.  
111 Sources of income vary widely among coastal counties. For example, Tillamook County  
112 has a large economic base from agriculture production, Lincoln County relies on  
113 commercial fishing and tourism, while timber production is still a major economic  
114 contributor to Coos County (Figure 4). The following discussion highlights the most  
115 important sectors of the regional economy.

116 **Agriculture**

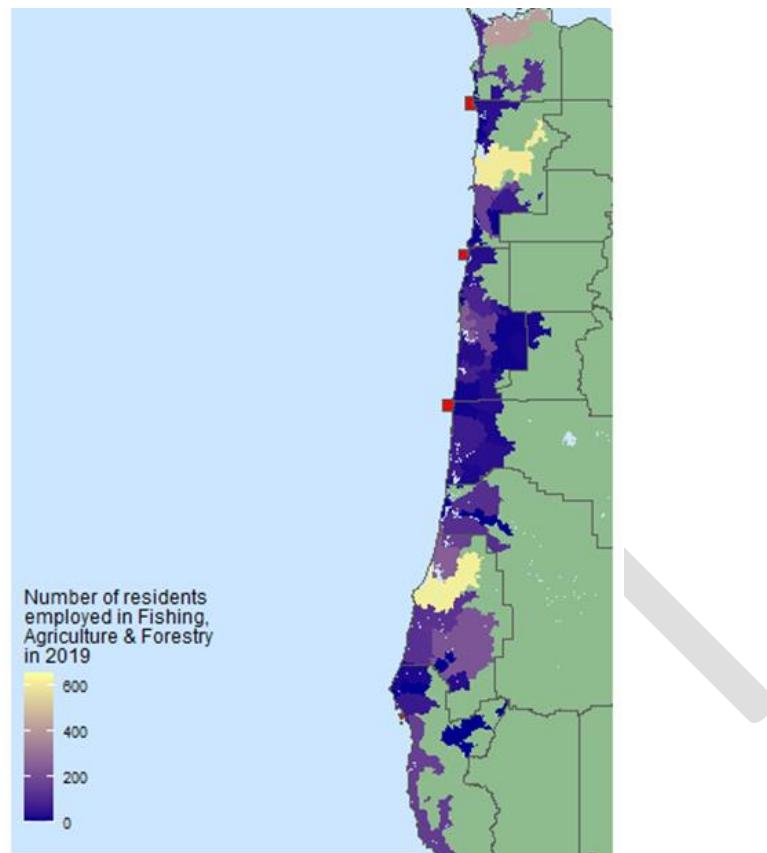
117 Agriculture in Oregon's coastal areas is part of a lifestyle that contributes diversity to local  
118 economies. It also helps provide a buffer to the variable nature of the forestry, fishing and  
119 recreation industries. The agriculture industry has remained consistently strong in  
120 Tillamook and Coos counties.

121 **Forestry**

122 Timber harvest increased into the 1980s and has since decreased. Tillamook and Coos  
123 Counties have experienced cyclical patterns in timber harvest, depending upon national  
124 demand for fiber and local availability of timber. However, harvest volumes and timber  
125 industry employment in these areas have generally been in decline. Coastal counties'  
126 timberlands are 94% of the land base. There is a mosaic of federal, state, and private  
127 timberland ownership in coastal counties (Figure 1).

128 **Commercial Fisheries**

129 Commercial fishing ports contribute to Oregon's statewide and coastal economy (Figure 5).  
130 The Oregon commercial fishing onshore landings in 2023 were worth \$177.0 million in  
131 harvest value. The Dungeness crab fishery alone contributed \$85 million in 2023. For  
132 detailed information about Oregon's nearshore fisheries up to 2023, please see [Oregon](#)  
133 [Commercial and Marine Recreational Fishing Industry Economic Activity for Years](#)  
134 [2020 and 2021, Addendum 2023](#).



136 **Figure 4.** Number of residents employed in fishing, agriculture and Forestry in 2019 based on zip  
137 code tabulation areas within 30 miles of coast (Source: 2019 American Community Surveys).

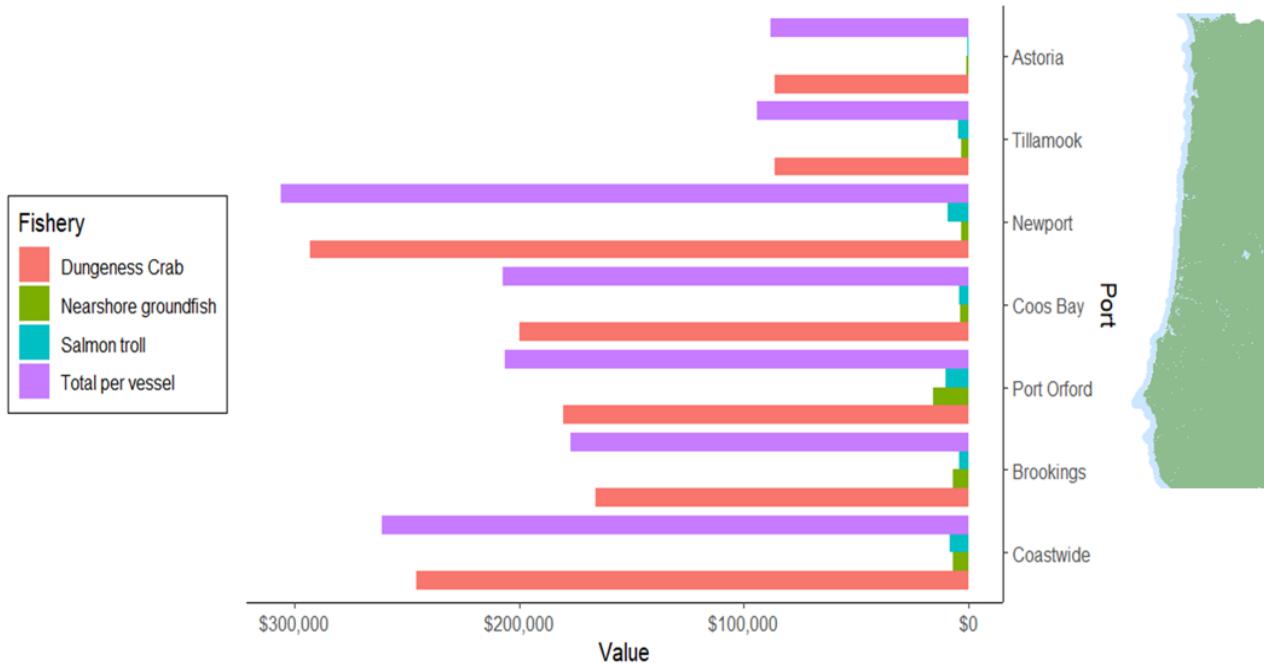
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139 Many fish and shellfish move in and out of Oregon's three mile nearshore boundary  
140 throughout their lifecycles. Regardless of where they are harvested, the nearshore habitat  
141 and waters are an important component of many of Oregon's commercial fisheries  
142 including the Dungeness crab fishery, the commercial salmon fishery, coastal pelagic  
143 species fisheries (e.g., Pacific sardine, northern anchovy, and market squid etc.), the urchin  
144 fishery, clam fisheries and a variety of groundfish fisheries. Groundfish fisheries which  
145 target a variety of flatfish, roundfish, rockfish, sharks, skates and other species occur  
146 across the continental shelf with several gear types (trawl net, long line, trap, hook and  
147 line). Since the early 1990s, Oregon has managed a commercial fishery composed of small  
148 vessels (averaging 25 feet) which target several rockfish species (predominantly black and  
149 blue rockfish), cabezon, and greenling in nearshore waters primarily with hook and line or  
150 longline gear. Referred to as Oregon's "commercial nearshore fishery", a state limited entry  
151 permit framework was implemented in 2004.

152

153 Oregon's commercial fisheries are an important contributor to local economies. Seafood  
154 buyers, processors and distributors provide a significant number of jobs in coastal ports  
155 and inland. While the majority of commercial fishery landings occur in three ports in  
156 Oregon (Astoria, Newport and Coos Bay), smaller ports on the southern coast (Bandon,  
157 Port Orford, Gold Beach and Brookings) have found a particular niche in supplying the  
158 demand for high-value live fish from nearshore waters (Figure 5).

159



160

161 **Figure 5.** Nearshore fisheries ex-vessel per average revenue in 2021 (Source: PacFIN).

162

163 Diverse and healthy ports are critical to the economic survival of fishing vessel owners and  
164 operators. Their businesses are dependent on fishing-related service businesses such as  
165 vessel dry dock facilities, mechanics, welders, refrigeration specialists, machine shops,  
166 marine electronics sales and service firms, professional services (attorneys and  
167 accountants) and marine suppliers. Particularly in Astoria and Newport, many vessel repair  
168 and provisioning businesses service and support distant water fishing activities. In 2021,  
169 an estimated \$108M of revenue was generated from Oregon's distant water fleets in Alaska,  
170 which is a nearly 38% decline in revenue compared to 2011. This income is brought back to  
171 the state by skippers, crewmen and processor workers, and vessel/permit owners with  
172 residency in Oregon. Collectively, Oregon's ports support maritime infrastructure while  
173 supplying sustainably managed seafood to both domestic and international markets.

174 **Sport Fisheries**

175 Many ports also support sport fishing. In 2021, an estimated 968,000 recreational fishing  
176 trips generated roughly \$93 million in income coastwide. Most sport charter boat fishing  
177 operations are based in Newport, Depoe Bay, Charleston and Garibaldi.

178 Sport fishing trips target a range of species in both nearshore waters and in offshore  
179 waters, which occur outside of the Territorial Sea (beyond 3 nautical miles from shore).  
180 Bottomfish fisheries occur primarily in nearshore waters, while tuna fishing almost always  
181 occurs far offshore. Halibut, salmon, and other target species are pursued in both areas. In  
182 2021, trips for bottomfish accounted for nearly 20% of all recreational fishing trips along  
183 the Oregon coast and 9.4% of total revenue for recreational fishing. The sport bottomfish  
184 fishery is an important component of many coastal economies, as it provides stable and  
185 consistent income for these communities during times when other seasonal fisheries (e.g.,  
186 salmon and tuna) are not available.

187 Sport crabbing and clamping in Oregon bays and nearshore waters is also popular. The bay  
188 crab fisheries tend to comprise the majority of this type of harvest with the remainder  
189 caught in the ocean. The largest clam fisheries are for razor clams found on Oregon's ocean  
190 beaches and a group of clams collectively known as bay clams. Bay clams as the name  
191 suggests, are found in the state's many bays and estuaries. They include cockles, butter  
192 clams, gaper clams, and native littleneck clams. Clams are targeted for both sport and  
193 commercial harvest in Oregon.

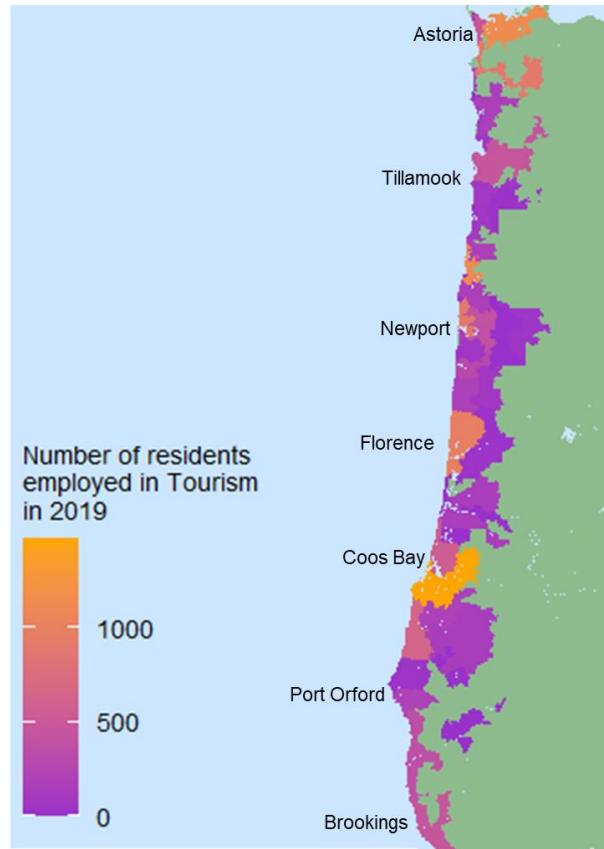
194 Recreational fishing is a significant part of coastal economies. There is a direct link  
195 between recreational fishing, coastal tourism, and the service industry. Visiting fishermen  
196 and their families contribute substantially to local economies by purchasing licenses,  
197 fishing gear and boating accessories, as well as food, lodging and other services.

198 For more information about the economic contributions of commercial and recreational  
199 fisheries on the Oregon Coast between 2020-2023, please see [Oregon Commercial and](#)  
200 [Marine Recreational Fishing Industry Economic Activity](#) published by Shannon Davis.

201 **Coastal Tourism and Recreation**

202 Tourism is a key component of the state's economy, and the Oregon coast is a major  
203 destination for visitors. Most coastal counties are experiencing steady growth in tourism.  
204 Visitation is increasing at state parks and employment at motels/hotels and food service  
205 industries continues to increase. The growth of tourism has diversified coastal counties'  
206 economic bases and tourism is a source of employment for many coastal residents (Figure  
207 6).

208



209 **Figure 6.** Number of residents employed in tourism industries in 2019 based on zip code tabulation  
210 areas within 30 miles of coast (Source: 2019 American Community Surveys).

211

212 The Oregon coast marine environment attracts tourism for many experiences other than  
213 fishing (

214 Table 1). Because a trip purpose can be for more than one reason, it is difficult to measure  
215 economic contributions directly related to specific nearshore marine resources. At a more  
216 general level, the 2013-2017 Oregon Statewide Comprehensive Outdoor Recreation Plan  
217 identified ocean and beach recreational activities as the Oregon population's fourth  
218 highest outdoor recreation activities. Half of Oregon's households visited the Oregon coast  
219 in 2010. Data collected in 2022 shows that the most common recreational activities on the  
220 Oregon Coast are hiking, as well as visiting national forests and state parks (

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221 Table 1).

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222 **Table 1.** Participation in recreational activities on the Oregon Coast from 2021-2022 (Source: Oregon Coast Visitors Association).

	Total	Portland Region	Oregon Coast	Willamette Valley	Central Oregon	Southern Oregon	Mt. Hood/Columbia River Gorge	Eastern Oregon
Hiking	19.0%	15.5%	29.6%	23.1%	32.5%	27.5%	27.3%	27.2%
Visited national forest, refuge, scenic areas, monuments, and/or Bureau of Land Management areas	14.6%	12.0%	23.4%	17.1%	25.0%	22.8%	22.3%	22.8%
Visited state parks	13.7%	11.5%	24.9%	17.1%	22.4%	19.8%	21.1%	21.1%
Nature observation (wildlife/apiary/wildflower/bird watching/fall foliage)	13.2%	10.2%	21.8%	15.3%	20.2%	19.8%	19.2%	22.3%
Beach-going	11.6%	9.9%	28.4%	14.0%	15.1%	14.6%	17.0%	15.1%
Bicycling	4.8%	3.9%	6.2%	5.2%	11.2%	7.3%	6.9%	8.2%
Swimming	4.0%	3.4%	5.4%	4.3%	8.4%	7.6%	5.8%	8.7%
Fishing	3.5%	2.7%	5.2%	3.8%	6.9%	7.0%	4.7%	7.6%
Visited Crater Lake National Park	3.2%	2.4%	4.5%	3.5%	7.4%	10.2%	5.4%	6.8%
Rockhounding/collecting rock	3.1%	2.3%	5.9%	3.6%	4.9%	5.5%	3.9%	6.4%
Dark sky/star viewing (at an observatory or individually)	2.9%	2.1%	4.4%	3.5%	5.7%	5.2%	4.7%	7.2%
Golf	2.8%	2.2%	3.7%	3.0%	6.3%	4.0%	3.8%	5.0%
Running	2.3%	2.2%	2.9%	2.4%	5.1%	3.9%	4.1%	4.9%
Kayaking	2.2%	1.6%	3.3%	2.7%	4.9%	3.9%	3.2%	4.9%
Visited a hot spring	1.9%	2.0%	2.3%	2.4%	4.4%	3.9%	4.1%	7.3%
Foraging (collecting plants, mushrooms, berries)	1.3%	1.4%	2.2%	1.9%	2.6%	2.6%	3.0%	3.2%
Oyster harvesting/crabbing/clamming	1.2%	1.1%	2.6%	1.2%	1.9%	2.1%	2.3%	2.5%
Sailing/boating	1.2%	0.9%	1.7%	0.9%	1.9%	2.4%	1.7%	2.9%
Whitewater rafting	1.1%	0.9%	1.4%	1.2%	2.3%	3.0%	1.6%	3.3%
Stand-up paddle boarding	1.1%	0.9%	1.4%	1.0%	3.0%	1.9%	1.7%	2.2%
Horseback riding	1.1%	1.0%	1.6%	1.1%	2.1%	2.2%	1.8%	2.8%
Snow activities (snowmobiling, cross-country skiing, snowshoeing, downhill skiing, snowboarding)	1.0%	0.7%	0.7%	0.9%	3.0%	1.6%	1.5%	2.1%
Rock climbing/mountaineering	1.0%	1.0%	1.0%	1.1%	1.8%	2.2%	1.6%	2.9%
Sand dune boarding/buggy	0.8%	0.8%	1.5%	0.9%	1.7%	1.9%	1.5%	2.2%
Hunting	0.8%	0.6%	0.6%	0.6%	1.4%	2.0%	1.0%	3.1%
Surfing, windsurfing and/or kiteboarding	0.7%	0.8%	1.1%	0.6%	1.5%	1.6%	1.4%	2.9%
Scuba diving	0.5%	0.5%	0.4%	0.4%	0.7%	1.1%	0.5%	1.6%
Base	16571	8686	6301	4381	3480	2392	3752	2029

224 Wildlife viewing generates more regional economic contributions than recreational hunting  
225 and fishing activities combined in Oregon. At almost \$1.7 billion, Oregon ranked in the top  
226 ten states in the nation for economic output related to wildlife viewing in 2011, with an  
227 estimated 1.44 million wildlife watchers. Statewide wildlife watching per trip expenditures  
228 have been estimated at \$66 per day. An estimated 375,000 tourists went whale watching  
229 on the Oregon coast in 2008, resulting in nearly \$1.6 million in direct expenditures and an  
230 additional \$28.2 million in indirect expenditures. This was more than a two-fold increase in  
231 direct expenditures over 10 years. Non-consumptive use of the nearshore marine  
232 ecosystem is a significant tourism driver. These recreational users of the nearshore  
233 ecosystem have been described as a renewable resource for Oregon's coastal  
234 communities because of their important economic and cultural contributions.

### 235 **Restoration and Protection Projects**

236 Conservation protection and restoration projects have economic benefits. Some of the  
237 benefits are identifiable and can easily be measured. For example, agency and contractor  
238 labor and materials/services payments for management and construction projects will be  
239 re-spent in communities generating economic activity that will include the "multiplier"  
240 effect. Knowledge about the payments and their source, coupled with economic input-  
241 output modeling procedures, provide the measurements. Other benefits are more tenuous  
242 to trace, and economic effects are more difficult to estimate because they will not have  
243 such direct connections to markets. Economic benefit analysis requires extensive on-site  
244 knowledge of biological, ecological, and physical process interrelationships as well as  
245 clever ways to assess human appreciation of the setting and interrelations to formulate  
246 economic benefit estimates. A growing body of ecosystem service literature describes  
247 these tenuous economic benefits. The natural environment provides benefits to people  
248 (ecosystem services) that increases individual welfare, but quantifying a measure of  
249 change is difficult. Economic benefit studies of conservation and restoration projects  
250 generally provide economic impacts of a defined activity but only acknowledge the broader  
251 social values.

252 Several studies have quantified the economic benefits of conservation activities for Oregon  
253 coastal communities. The research, planning, and management activities required to  
254 establish and maintain Redfish Rocks marine reserve contributed about one-third more  
255 than the existing commercial and recreational fishing to the area's local economy. The  
256 magnitude of this economic contribution linked to the marine reserve was a surprise to  
257 local officials. Another study reviewed the economic benefits of a salmon habitat  
258 restoration project on the lower Coquille River. It was a more typical analysis of a  
259 restoration project whereby short-term restoration project supervision and construction as  
260 well as long-term recreation and commercial fishing economic impacts were included.

261 Protected and restored environments can promote economic development and reduce the  
262 need for state and federal intervention in land uses to protect environments. People are  
263 attracted by the use benefits (e.g. fishing, hunting, surfing, wildlife viewing) and the sense

264 of increased individual welfare. Environmental stressors often accompany economic  
265 development. The stresses span coastal ecosystem elements and have cumulative  
266 impacts. The challenge is to understand how to best manage and mitigate these impacts.  
267 Emerging conservation practices such as ecosystem-based management that accounts for  
268 ecosystem service valuation hold substantial promise for protecting coastal marine  
269 systems. Carrying out the practices will require a combination of public and private  
270 initiatives for success. Ecological understanding, public awareness, and policy initiatives  
271 can improve stewardship of the marine ecosystems. This knowledge can facilitate effective  
272 management of Oregon's近shore resources to help ensure sustainable use.

273 **Other Regional Export Income**

274 In some coastal areas, many small manufacturing and service companies export their  
275 products outside the region, which also contributes to local economic growth. Industries  
276 such as boat building and water-transportation occur in the region. Lincoln County has a  
277 growing marine technology economic sector. High amenity areas such as the Oregon  
278 coast also tend to attract "footloose" entrepreneurial businesses, economic activities  
279 which are not dependent on the specific location's resources for viability. As such, writers,  
280 artists, computer hardware and software developers, and other small coastal  
281 entrepreneurs sell products outside the coastal area and bring income into regional  
282 economies. The cumulative economic contribution of these smaller industry sectors is  
283 important along the coast.

284 **Real Estate Investment and Development**

285 Real estate development often occurs in tandem with tourism development in high  
286 amenity locations. In 2023 across the state of Oregon, 2.9% of homes are vacant second  
287 homes. In contrast, close to half of all homes are vacant second homes in Cannon Beach;  
288 close to 1/3 of homes in Tillamook County are vacant second homes, as are close to 1/4 of  
289 all homes in Lincoln County. This rate of investment in second homes throughout the coast  
290 has significant impacts on both housing affordability and availability. Should a substantial  
291 portion of these investors retire to these second homes during the next decade, the  
292 cultural, social and political dynamics of many coastal communities will be affected.

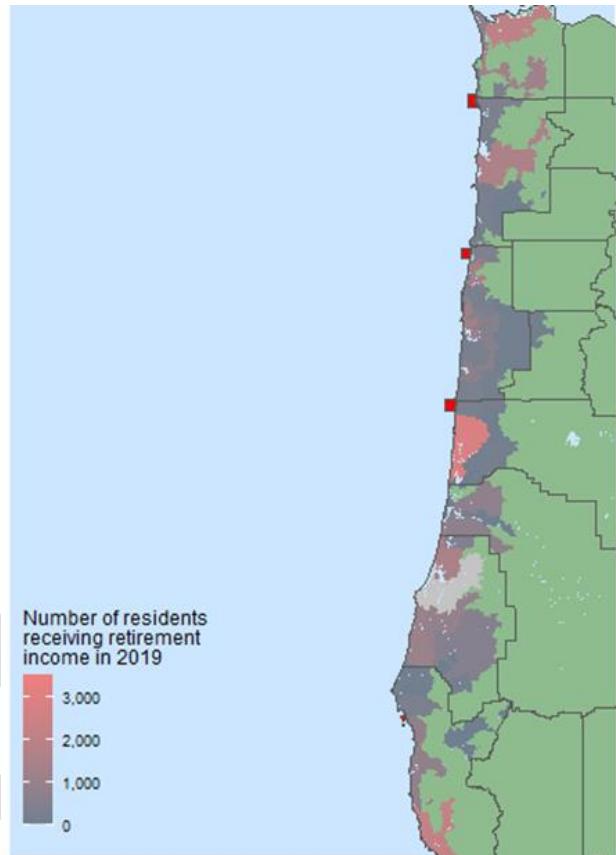
293 **Coastal Oregon Employment and Retirement Characteristics**

294 Coastal Oregon is far more dependent on employment income from tourism and natural  
295 resources than the rest of the state. Coastal Oregon counties have fewer people employed  
296 in higher paying management, business and science occupations than the state average  
297 and more people involved in service and natural resource occupations than the state  
298 average.

299 Coastal Oregon is also more dependent on retirement income than the rest of the state.  
300 The coast has proportionally fewer people under age 65 than both the United States and the

301 state of Oregon, and a substantially higher proportion of retirement age people (Figure 3).  
302 Retirement income is derived from investments and transfer payments (social security).  
303 Transfer payments of social security benefits include SSI (disability) income. Many people  
304 residing in coastal Oregon receive retirement income (Figure 7).

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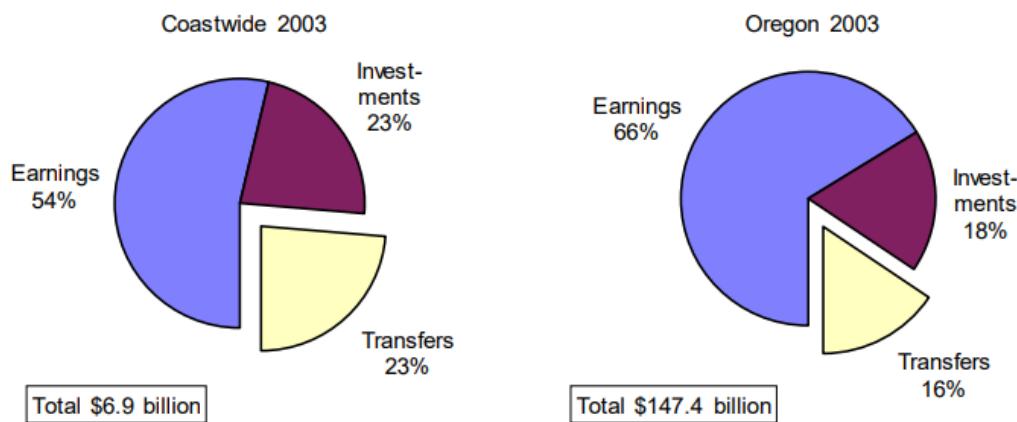
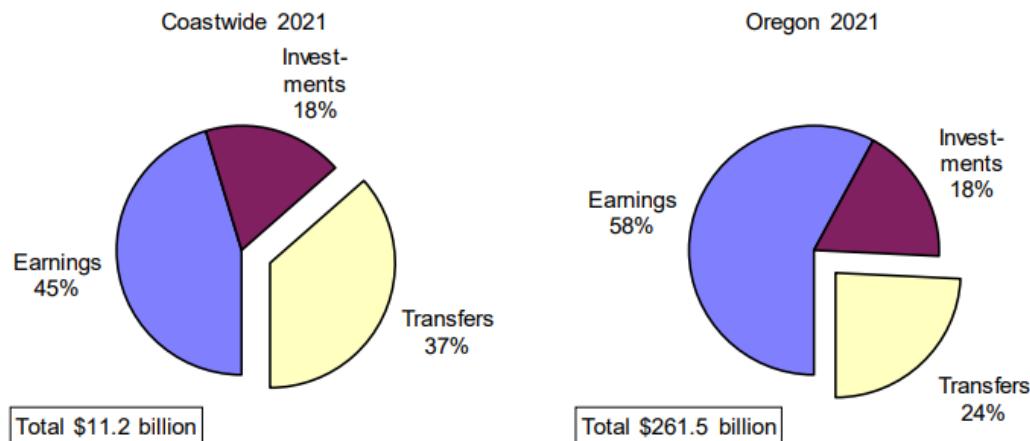
308 **Figure 7.** Number of residents receiving retirement income (e.g. social security, pension and  
309 retirement collectively known as transfer benefits) in 2019 based on zip code tabulation areas  
310 within 30 miles of coast (Source: 2019 American Community Surveys).

311

312 Over half of personal income on the coast is derived from investments and transfer  
313 payments (Figure 8). This is close to 1/3 higher than the state average, and 46% higher than  
314 the proportion of personal income derived from investments and transfer payments at the  
315 national level. This dependence on retirement income increased across all coastal  
316 counties between 2003 and 2021 (Figure 8). Much of the improvement in average coastal  
317 income during this time frame reflects retirement migration patterns, and thus household

318 income from sources other than earned income among working families. A large proportion  
319 of the baby boom generation is retiring, so these trends are likely to continue for the next  
320 decade.

321



322

323

324 **Figure 8.** Share of sources of personal income to coastal counties, Oregon, and U.S. in 2003 and  
325 2021 (Source: Oregon Coast Visitors Association, 2021). Note: Personal income in billions adjusted  
326 to 2021 dollars.

327