



**Oregon Administrative Rules
Oregon Department of Fish and Wildlife**

Policies, Operating Principles and Objectives

Applicable to All Willamette Subbasins

635-500-0205

Organization of Rules

Oregon Administrative Rules 635-500-0205 through 635-500-0218 previously described fish management for the Willamette Basin. The Willamette Basin Fish Management Plan has been superseded by fish management plans for each of the subbasins comprising the Willamette Basin. Accordingly, OAR 635-500-0206 through 635-500-0218 have been replaced by 635-500-0790 through 635-500-1660. **The Willamette Basin Fish Management Plan for Spring Chinook sections of specific subbasins: 635-500-1661 through 635-500-1663, and 635-500-1665 and 635-500-1665, have been superseded by spring Chinook OARs in the subbasins.** [OAR 635-500-0790 and 635-500-0800 apply to all subbasins; OAR 635-500-0266 through OAR 635-500-0276 and 635-500-0810 through 635-500-1660 cover specific subbasins. The spring chinook sections of specific subbasins have been superseded by the Willamette Basin Fish Management Plan for Spring Chinook found in OAR 635-500-1664 through OAR 635-500-1666.]

Administrative rules for the Willamette River mainstem and principle subbasins are organized as follows:

- (1) OAR 635-500-0266 through OAR 635-500-0276 cover habitat management objectives and fish management policies and operating principles in the McKenzie River subbasin.**
- (2) OAR 635-500-0790 through 635-500-0800 cover general fish management policies and habitat management objectives that are applicable to all subbasins and the Mainstem Willamette River.**
- (3) OAR 635-500-0810 through OAR 635-500-0900 cover habitat management objectives and fish management policies and operating principles in the Clackamas River subbasin.**
- (4) OAR 635-500-0910 through OAR 635-500-0990 cover habitat management objectives and fish management policies and operating principles in the Coast Fork Willamette River subbasin.**
- (5) OAR 635-500-1000 through OAR 635-500-1090 cover habitat management objectives and fish management policies and operating principles in the Willamette Coast Range subbasins.**
- (6) OAR 635-500-1100 through OAR 635-500-1140 cover habitat management objectives and fish management policies and operating principles in the Long Tom River subbasin.**
- (7) OAR 635-500-1150 through OAR 635-500-1270 cover habitat management objectives and fish management policies and operating principles in the Mainstem Willamette River.**
- (8) OAR 635-500-1280 through OAR 635-500-1360 cover habitat management objectives and fish management policies and operating principles in the Middle Fork Willamette River subbasin.**
- (9) OAR 635-500-1370 through OAR 635-500-1470 cover habitat management objectives and fish management policies and operating principles in the Molalla and Pudding River subbasin.**
- (10) OAR 635-500-1480 through OAR 635-500-1600 cover habitat management objectives and fish management policies and operating principles in the Santiam River and Calapooia River subbasins.**
- (11) OAR 635-500-1610 through OAR 635-500-1660 cover habitat management objectives and fish management policies and operating principles in the Tualatin River subbasin.**



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38 (12) OAR 635-500-1664 covers spring Chinook management objectives in the Mainstem Willamette River.

39 (13) OAR 635-500-6600 covers the implementation of a recovery plan for seven Chinook populations and
40 four steelhead populations.

41 Stat. Auth.: ORS 496.138, 496.146, 506.119

42 Stats. Implemented: ORS 506.109 and 506.129

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44 **McKenzie Subbasin Fish Management**

45 **Policies and Objectives**

46 **635-500-0267**

47 **Habitat**

48 **Objectives for habitat management in the McKenzie River subbasin:**

49 (1) [~~The following policies apply to the McKenzie River subbasin:~~]**Promote habitat conditions that contribute to**
50 **achieving the desired status of spring Chinook salmon identified in the Upper Willamette Conservation**
51 **and Recovery Plan for Chinook salmon and steelhead (OAR 635-500-6600). This includes, but is not**
52 **limited to, the following actions:**

53 (a) [~~Potential losses of fish production from habitat degradation will be prevented or reduced to the extent~~
54 ~~possible;~~]**Maintain and improve upstream and downstream passage for anadromous fish at dams,**
55 **diversions, power projects, and, where appropriate, at natural barriers;**

56 (b) [~~Proposed habitat improvement projects should be jointly reviewed and prioritized annually by the~~
57 ~~Department and the participating land management agencies.~~]**Provide necessary in-stream flows for fish**
58 **production;**

59 (c) **Reduce the impacts of reservoir management on fish production;**

60 (d) **Protect existing stream habitat from degradation associated with timber harvest and other related**
61 **activities on forested lands, with road construction, and with development on private and agricultural**
62 **lands;**

63 (e) **Inventory streams and assess watershed characteristics that affect fish production.**

64 (2) [~~In accordance with these policies, it is the objective of the Department to:~~]**Promote habitat conditions for**
65 **other species where they may be different than for spring Chinook.**

66 [(a) ~~Maintain or improve upstream and downstream passage for fish;~~

67 (b) ~~Provide optimum flow, water quality, and physical habitat characteristics in the McKenzie River and tributaries~~
68 ~~for fish production.~~

69 (3) ~~Restore and enhance riparian and instream habitat to meet the production objectives for the fish species in the~~
70 ~~subbasin.]~~

71 Stat. Auth.: ORS 496.138, 496.146 and 506.119

72 Stats. Implemented: ORS 506.109 and 506.129

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74 **635-500-0271**

75 **Spring Chinook Salmon**

76 [~~Operating policy and objectives for spring chinook in the McKenzie River Basin are found in OAR 635-500-1661.]~~



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77 Policy and objectives for wild and hatchery spring Chinook salmon management in the McKenzie River
78 subbasin:

79 (1) Policy: Consistent with achieving the desired status for spring Chinook salmon identified in the Upper
80 Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600),
81 the McKenzie subbasin shall be managed for production of wild and hatchery spring Chinook.

82 (a) The area above Leaburg Dam shall be managed for the production of wild spring Chinook, and the
83 area below Leaburg dam will be managed for production of wild and hatchery spring Chinook.

84 (2) Objectives:

85 (a) Achieve the desired status for spring Chinook salmon in the McKenzie subbasin identified in the
86 Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-
87 500-6600);

88 (b) Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due
89 to dam construction and operations;

90 (c) Monitor the status of the spring Chinook run in the McKenzie River subbasin;

91 (d) Maintain the gene resources of wild McKenzie spring Chinook;

92 (e) Maintain hatchery fish genetic diversity, to assure that hatchery populations do not pose a risk to
93 wild populations, meet the management objectives for which they are produced, and maintain their
94 optimum biological and economic value;

95 (f) As consistent with desired status goals in the Recovery Plan, provide opportunity to catch 1,000
96 spring Chinook in the McKenzie River sport fishery.

97 Stat. Auth.: ORS 496.138, 496.146, 506.119
98 Stats. Implemented: ORS 506.109 and 506.129
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100 Clackamas Subbasin Fish Management

101 Operating Principles and Objectives

102 Habitat

103 635-500-0810

104 Habitat

105 [It is the objective of the Department to:] Objectives for habitat management in the Clackamas subbasin:

106 (1) Promote habitat conditions that contribute to achieving the desired status identified in the Lower Columbia
107 River Conservation and Recovery Plan for Oregon Populations of Salmon and Steelhead (OAR 635-500-6575),
108 and the Upper Willamette Conservation and Recovery Plan for Chinook salmon and steelhead (OAR 635-
109 500-6600). This includes, but is not limited to, the following actions:

110 (a) Maintain and improve upstream and downstream passage for anadromous fish at dams, diversions, power
111 projects, and, where appropriate, at natural barriers;

112 (b) Provide necessary in-stream flows for fish production;

113 (c) Reduce the impacts of reservoir management on fish production;

114 (d) Protect existing stream habitat from degradation associated with timber harvest and other related activities



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115 on forested lands, with road construction, and with development on private and agricultural lands;

116 (e) Inventory streams and assess watershed characteristics that affect fish production.

117 Stat. Auth.: ORS 496.138, 496.146 and 506.119

118 Stats. Implemented: ORS 506.109 and 506.129

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Finfish

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635-500-0840

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Spring Chinook Salmon

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[Operating policy and objectives for spring chinook in the Clackamas River Basin are found in OAR 635-500-

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4662.] **Policy and objectives for wild and hatchery spring Chinook in the Clackamas River subbasin:**

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(1) Policy: Consistent with achieving the desired status for spring Chinook salmon identified in the Upper

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Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600),

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the Clackamas subbasin shall be managed for production of wild and hatchery spring Chinook.

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(a) The lower subbasin below River Mill Dam shall be managed primarily for the production and

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harvest of hatchery spring Chinook. The subbasin above North Fork Dam shall be managed for natural

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production of the indigenous stock.

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(2) Objectives:

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(a) Achieve the desired status for spring Chinook salmon in the Clackamas subbasin identified in the

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Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-

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500-6600);

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(b) Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due

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to dam construction and operations;

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(c) Monitor the status of the spring Chinook run in the Clackamas subbasin;

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(d) Maintain the gene resources of Clackamas spring Chinook;

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(e) Maintain hatchery fish genetic diversity, to assure that hatchery populations do not pose a risk to

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wild populations, meet the management objectives for which they are produced, and maintain their

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optimum biological and economic value.

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Stat. Auth.: ORS 496.138, 496.146, 506.119

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Stats. Implemented: ORS 506.109 and 506.129

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Coast Fork Willamette Subbasin Fish Management

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Operating Principles and Objectives

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Finfish

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635-500-0960

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Spring Chinook Salmon

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Operating policy and objectives for spring Chinook in the Willamette River Basin above the mouth of the McKenzie

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River (includes the Coast Fork Willamette subbasin) are found in [~~OAR 635-500-1663~~]**OAR 635-500-1290.**

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Stat. Auth.: ORS 496.138, 496.146, 506.119

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Stats. Implemented: ORS 506.109 and 506.129

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Willamette Coast Range Subbasin Fish Management

Operating Principles and Objectives

Habitat

635-500-1000

Habitat

It is the objective of the Department to:

- (1) Provide necessary in-stream flows for fish production.
- (2) Protect existing stream habitat from degradation associated with timber harvest, road construction, and related activities on forested watersheds.
- (3) Protect existing stream habitat in lowland areas from degradation associated with agricultural, residential and commercial development, and other human activities.
- (4) Improve the water quality of the subbasin.
- (5) Provide adequate upstream and downstream passage for fish at water diversions, dams, and other artificial obstructions.

~~[(6) Develop subbasin specific knowledge that integrates fish distribution and abundance information, habitat characteristics and potential for improvement, and sensitive watershed areas into the Department's Habitat Database system.]~~

Stat. Auth.: ORS 496.138, 496.146 and 506.119
Stats. Implemented: ORS 506.109 and 506.129

Finfish

635-500-1010

Winter Steelhead

Policy and objectives for winter steelhead in Willamette Coast Range subbasins:

- ~~(1) [The following operating principle applies to the Coast Range subbasin: The naturally produced run of winter steelhead shall not be enhanced with releases of hatchery fish pending an analysis of the status of wild steelhead populations in the subbasin.]~~ **Policy: Consistent with achieving the desired status for Upper Willamette River winter steelhead DPS identified in the Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600), the Coast Range subbasins shall be managed for production of wild winter steelhead.**

~~[(2) In accordance with this operating principle, it is the objective of the Department to:~~

- ~~(a) Maintain an average annual spawning escapement of 675 adult winter steelhead in the Coast Range subbasin;~~
- ~~(b) Provide a potential average annual sport harvest of about 175 winter steelhead in the Coast Range subbasin.]~~

Stat. Auth.: ORS 496.138, 496.146 and 506.119
Stats. Implemented: ORS 506.109 and 506.129

635-500-1020

Coho Salmon

- (1) The following operating principle applies to coho salmon in the Willamette Coast Range subbasins:



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195 Maintain natural projection of coho salmon in the Willamete Coast Range subbasins consistent with
196 achieving the desired status for winter steelhead and spring Chinook populations identified in the Upper
197 Willamete River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-
198 6600).~~[Hatchery releases of coho salmon shall be permitted only for the purpose of rehabilitating self-sustaining~~
199 ~~populations.~~

200 ~~(2) In accordance with this operating principle, it is the objective of the Department to maintain the natural~~
201 ~~production of coho salmon in the Coast Range subbasin provided the existing run is determined to be self-~~
202 ~~sustaining.]~~

203 Stat. Auth.: ORS 496.138, 496.146 and 506.119
204 Stats. Implemented: ORS 506.109 and 506.129
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206 **Main Stem Willamette Subbasin Fish Management**

207 **Operating Principles and Objectives**

208 **Habitat**

209 **635-500-1150**

210 **Habitat**

211 (1) The following operating principle applies to the Main Stem Willamette subbasin:

212 **(a)** Habitat protection shall be emphasized over habitat rehabilitation and enhancement.

213 (2) In accordance with this operating principle, it is the objective of the Department to:

214 (a) Maintain or improve upstream and downstream passage for fish at dams, water diversions, other
215 obstacles, and existing passage facilities;

216 (b) Reduce delay, stranding, injury, and mortality of adult salmon and steelhead at Willamette Falls;

217 (c) Protect necessary in-stream flows for fish production;

218 (d) Maintain high water quality;

219 (e) Protect riparian and in-stream habitat from degradation associated with agricultural, residential and
220 commercial development, and other human activities;

221 (f) Develop subbasin specific knowledge that integrates fish distribution and abundance information, habitat
222 characteristics and potential for improvement, and sensitive watershed areas into the Department's Habitat
223 Database system;

224 (g) Minimize any impacts of Portland Harbor Development on fish passage and fish rearing[-];

225 **(h) Meet the mainstem Willamette habitat needs identified in the Upper Willamette River Conservation**
226 **and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600) for achieving the desired**
227 **status for spring Chinook salmon and winter steelhead.**

228 Stat. Auth.: ORS 496.138, 496.146 and 506.119
229 Stats. Implemented: ORS 506.109 and 506.129
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Finfish

635-500-1160

Winter Steelhead

(1) The following operating principles apply[-applies] to the Main Stem Willamette subbasin:

(a) Escapement of late-run winter steelhead to tributary subbasins has priority over harvest in the main stem Willamette River[.];

(b) Increase the average annual run of indigenous, late-run (15 February-15 May) winter steelhead above Willamette Falls to levels needed to achieve desired status for independent populations in subbasins, as identified in the Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600).

~~[(2) In accordance with this operating principle, it is the objective of the Department to:~~

- ~~(a) Increase the average annual run size to about 33,000 winter steelhead into the Willamette River;~~
- ~~(b) Increase the average annual run of indigenous, late-run (15 February-15 May) winter steelhead above Willamette Falls to about 17,000 fish, which includes a spawning escapement of 14,400 fish for natural production;~~
- ~~(c) Provide a potential average annual sport catch of 1,000 winter steelhead in the lower main stem Willamette;~~
- ~~(d) Increase the average annual sport catch of winter steelhead above Willamette Falls to 500 fish.]~~

Stat. Auth.: ORS 496.138, 496.146 and 506.119
Stats. Implemented: ORS 506.109 and 506.129

Middle Fork Willamette Subbasin Fish Management
Policies, Operating Principles and Objectives

Habitat

635-500-1280

Habitat

~~[It is the objective of the Department to:]~~ Objectives for habitat management in the Middle Fork Willamette subbasin:

(1) ~~[Protect fish populations from impacts caused by land use activities.]~~ Promote habitat conditions that contribute to achieving the desired status of spring Chinook salmon identified in the Upper Willamette Conservation and Recovery Plan for Chinook salmon and steelhead (OAR 635-500-6600). This includes, but is not limited to, the following actions:

- (a) Maintain and improve upstream and downstream passage for anadromous fish at dams, diversions, power projects, and, where appropriate, at natural barriers;
- (b) Provide necessary in-stream flows for fish production;
- (c) Improve water quality in the subbasin;
- (d) Reduce the impacts of reservoir management on fish production;
- (e) Reduce other habitat impacts of Hills Creek, Lookout Point, Dexter and Fall Creek dams on production of spring Chinook in downstream reaches;



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269 (f) Protect existing stream habitat from degradation associated with timber harvest and other related
270 activities on forested lands;

271 (g) Protect existing stream habitat throughout the lower subbasin from degradation associated with
272 agricultural, residential and commercial development, and other human activities;

273 (h) Restore and enhance riparian and in-stream fish habitats;

274 (i) Inventory streams and assess watershed characteristics that affect fish production.

275 ~~(2) [Restore and enhance riparian and in-stream fish habitats.]~~ Promote habitat conditions for other species
276 where they may be different than for spring Chinook.

277 ~~[(3) Reduce impacts of Hills Creek, Lookout Point, Dexter and Fall Creek dams on production of fish in~~
278 ~~downstream reaches.~~

279 ~~(4) Maintain or improve upstream and downstream passage and screening for fish at dams, water diversions and~~
280 ~~other man-made obstacles.]~~

281 Stat. Auth.: ORS 496.138, 496.146 and 506.119

282 Stats. Implemented: ORS 506.109 and 506.129

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Finfish

285 **635-500-1290**

286 **Spring Chinook Salmon**

287 ~~[Operating policy and objectives for spring Chinook in the Willamette River Basin above the mouth of the~~
288 ~~McKenzie River (includes the Middle Fork Willamette subbasin) are found in OAR 635-500-1663.]~~ Policy and
289 objectives for wild and hatchery spring Chinook above the mouth of the McKenzie River.

290 (1) Policy: Consistent with achieving the desired status for spring Chinook salmon identified in the Upper
291 Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600),
292 the Middle Fork Willamette subbasin shall be managed for production of wild and hatchery spring
293 Chinook.

294 (a) The areas above Fall Creek Dam will be managed for the production of wild spring Chinook;

295 (b) The areas below Fall Creek and Dexter dams will be managed for production of wild and hatchery
296 spring Chinook;

297 (c) After a reintroduction program using hatchery spring Chinook, the area above Dexter Dam will be
298 managed for the production of wild spring Chinook.

299 (2) Objectives:

300 (a) Achieve the desired status for spring Chinook salmon in the Middle Fork Willamette subbasin
301 identified in the Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and
302 Steelhead (OAR 635-500-6600);

303 (b) Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due
304 to dam construction and operations;

305 (c) Monitor the status of the spring Chinook run in the Middle Fork Willamette subbasin;

306 (d) Maintain the gene resources of Middle Fork Willamette spring Chinook;



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307 (e) Maintain hatchery fish genetic diversity, to assure that hatchery populations do not pose a risk to
308 wild populations, meet the management objectives for which they are produced, and maintain their
309 optimum biological and economic value;

310 (f) Other subbasins above the mouth of the McKenzie River shall be managed for hatchery production
311 and natural production of spring Chinook;

312 (g) As consistent with desired status goals in the Recovery Plan, provide opportunity to catch 1,125
313 spring Chinook in the Willamette River basin above the mouth of the McKenzie River

314 Stat. Auth.: ORS 496.138, 496.146, 506.119
315 Stats. Implemented: ORS 506.109 and 506.129
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317 **635-500-1300**

318 **Summer Steelhead**

319 (1) The following operating principle applies to the Middle Fork Willamette subbasin:

320 (a) Summer steelhead shall not be passed above Fall Creek or Dexter dams.

321 (b) Summer steelhead smolts shall be released into streams that have suitable adult holding habitat
322 throughout the summer and where adults will provide optimum recreational opportunity;

323 (c) Only smolt-sized fish will be released to minimize competition with native salmonids.

324 (2) In accordance with this operating principle, it is the objective of the Department to:

325 (a) Provide diversity of angling opportunity with an annual sport catch of 2,250 summer steelhead in the
326 subbasin;

327 (b) Minimize impact of summer steelhead on the production of native trout and spring Chinook.

328 Stat. Auth.: ORS 496.138, 496.146 and 506.119
329 Stats. Implemented: ORS 506.109 and 506.129
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331 **Molalla and Pudding Subbasins Fish Management**

332 **Policies, Operating Principles and Objectives**

333 **Habitat**

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335 **635-500-1370**

336 **Habitat**

337 [~~It is the objective of the Department to:~~]Objectives for habitat management in the Molalla and Pudding
338 subbasins:

339 (1) [~~Provide necessary in-stream flows for fish production.~~]Promote habitat conditions that contribute to
340 achieving the desired status of spring Chinook salmon and winter steelhead identified in the Upper
341 Willamette Conservation and Recovery Plan for Chinook salmon and steelhead (OAR 635-500-6600). This
342 includes, but is not limited to, the following actions:

343 (a) Maintain and improve upstream and downstream passage for anadromous fish at water diversions,
344 dams, and where appropriate, at natural barriers;

345 (b) Provide necessary in-stream flows for fish production;



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- 346 (c) Improve the water quality of the subbasin;
347 (d) Protect stream habitat from degradation associated with timber harvest, and other related
348 activities on forested lands;
349 (e) Protect stream habitat throughout the lower subbasin from degradation associated with
350 agricultural, residential and commercial development, and other human activities;
351 (f) Restore and enhance riparian and in-stream fish habitats;
352 (g) Inventory streams and assess watershed characteristics that affect fish production.
353 (2) Promote habitat conditions for other species where they may be different than for spring Chinook and
354 winter steelhead.
355 [~~(2) Protect existing stream habitat from degradation associated with timber harvest, road construction, and related~~
356 ~~activities on forested watershed.~~
357 ~~(3) Protect existing stream habitat in lowland areas from degradation associated with agricultural, residential and~~
358 ~~commercial development, and other human activities.~~
359 ~~(4) Improve the water quality of the subbasin.~~
360 ~~(5) Provide adequate upstream and downstream passage for fish at water diversions, dams, and other artificial~~
361 ~~obstructions.~~
362 ~~(6) Develop subbasin specific knowledge that integrates fish distribution and abundance information, habitat~~
363 ~~characteristics and potential for improvement, and sensitive watershed areas into the Department's Habitat~~
364 ~~Database system.]~~
365 Stat. Auth.: ORS 496.138, 496.146 and 506.119
366 Stats. Implemented: ORS 506.109 and 506.129
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Finfish

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369 **635-500-1380**

370 **Winter Steelhead**

371 Policy and objectives for winter steelhead in the Molalla and Pudding subbasins:

372 (1) [~~The following operating principles apply to the Molalla and Pudding subbasins:~~Policy: Consistent with
373 achieving the desired status for the Molalla population of winter steelhead identified in the Upper
374 Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600),
375 the Molalla and Pudding River subbasins shall be managed for production of wild winter steelhead.

- 376 [(a) Native winter steelhead have priority over all other non-native stocks and species;
377 (b) Winter steelhead shall be managed for natural production;
378 (c) Winter steelhead shall be managed for natural production. No hatchery-produced winter steelhead,
379 including STEP fry, shall be released;
380 (d) Spawning escapement has priority over harvest.]

381 (2) [~~In accordance with these operating principles, it is the objective of the Department to~~Objectives:

382 (a) [~~Maintain the genetic integrity and productivity of the native late stock~~Achieve the desired status for the
383 Molalla population of winter steelhead in the Molalla and Pudding River subbasins identified in the Upper
384 Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600);



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385 (b) Maintain the genetic characteristics of the wild population[an average annual escapement of at least
386 3,500 late-run winter steelhead in the Molalla system];

387 (c) [~~Maintain an average annual escapement of at least 1,250 winter steelhead in the Pudding system~~]**Monitor**
388 **the status of winter steelhead in the Molalla and Pudding River subbasins.**

389 [(d) ~~Maintain a potential average annual sport harvest of about 600 late-run winter steelhead from the Molalla~~
390 subbasin;

391 (e) ~~Maintain an annual sport harvest of about 100 winter steelhead from the Pudding subbasin.~~]

392 Stat. Auth.: ORS 496.138, 496.146 and 506.119

393 Stats. Implemented: 506.109 and 506.129

394

395 **635-500-1400**

396 **Coho Salmon**

397 **Maintain natural production of coho salmon in the Molalla and Pudding subbasins consistent with**
398 **achieving the desired status for winter steelhead and spring Chinook populations identified in the Upper**
399 **Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600).**

400 [(1) ~~The following operating principle applies to the Molalla and Pudding subbasins: Hatchery releases of coho~~
401 ~~salmon shall be permitted only for the purpose of rehabilitation of self-sustaining populations.~~

402 (2) ~~In accordance with this operating principle, it is the objective of the Department to maintain natural production~~
403 ~~of coho salmon in the Molalla and Pudding subbasins provided self-sustaining runs are present.]~~

404 Stat. Auth.: ORS 496.138, 496.146 and 506.119

405 Stats. Implemented: ORS 506.109 and 506.129

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407 **635-500-1410**

408 **Spring Chinook Salmon**

409 [~~Operating policies and objectives for spring Chinook in the Molalla and Pudding River basins are found in OAR~~
410 ~~635-500-1665.~~]

411 **Policy and objectives for wild and hatchery spring Chinook in the Molalla and Pudding subbasins:**

412 **(1) Policy: Consistent with achieving the desired status for the Molalla population of spring Chinook**
413 **salmon identified in the Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and**
414 **Steelhead (OAR 635-500-6600), the Molalla and Pudding River subbasins shall be managed for production**
415 **of wild and hatchery spring Chinook.**

416 **(2) Objectives:**

417 **(a) Achieve the desired status for the Molalla population of spring Chinook in the Molalla and Pudding**
418 **River subbasins identified in the Upper Willamette River Conservation and Recovery Plan for Chinook**
419 **Salmon and Steelhead (OAR 635-500-6600);**

420 **(b) Monitor the status of spring Chinook in the Molalla and Pudding River subbasins;**

421 **(c) Maintain the gene resources of Molalla spring Chinook;**

422 **(d) Manage genetic characteristics of hatchery fish to assure that hatchery populations do not pose a**
423 **risk to wild populations, meet the management objectives for which they are produced, and maintain their**



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424 **optimum biological and economic value.**

425 Stat. Auth.: ORS 496.138, 496.146, 506.119
426 Stats. Implemented: ORS 506.109 and 506.129
427

428 **635-500-1420**

429 **Fall Chinook Salmon**

- 430 ~~[(1) The following operating principles apply to the Molalla and Pudding subbasins:~~
- 431 ~~(a) Fall Chinook salmon in the Molalla subbasin shall be managed primarily for production of hatchery fish;~~
 - 432 ~~(b) Fall Chinook salmon shall not be stocked above RM-20 on the Molalla River to avoid potential negative impacts~~
 - 433 ~~on native species.~~
- 434 ~~(2) In accordance with these operating principles, it is the objective of the Department to:~~
- 435 ~~(a) Provide a harvest of fall Chinook salmon in ocean and Columbia River fisheries;~~
 - 436 ~~(b) Monitor the distribution and abundance of spawning populations.]~~

437 **Fall Chinook salmon will not be released in the Molalla and Pudding subbasins unless an evaluation**
438 **identifies the action will not pose significant risk to native fish populations.**

439 Stat. Auth.: ORS 496.138, 496.146 and 506.119
440 Stats. Implemented: ORS 506.109 and 506.129
441

442 **635-500-1440**

443 **Warmwater Game Fish**

- 444 (1) The following operating principle applies to the Molalla Pudding subbasins: ~~[Management proposals that initiate~~
- 445 ~~or expand release programs for warmwater game fish or that alter the distribution of warmwater game fish shall be~~
- 446 ~~reviewed and evaluated for potential effects on indigenous fish species.]~~ **Existing warmwater game fish**
- 447 **populations will be managed consistent with achieving the desired status for the Molalla and Pudding**
- 448 **River populations of winter steelhead and spring Chinook identified in the Upper Willamette River**
- 449 **Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600).**

- 450 (2) In accordance with this operating principle, it is the objective of the Department to:
- 451 (a) ~~[Maintain populations of warmwater game fishes]~~ **Promote angling opportunities on established**
 - 452 **warmwater game fish populations;**
 - 453 (b) ~~[Provide a diversity of warmwater angling opportunities through basic yield management.]~~ **Increase public**
 - 454 **awareness of warmwater angling opportunities in the subbasins.**

455 ~~[(c) Increase public awareness of warmwater angling opportunities in the subbasins.]~~

456 Stat. Auth.: ORS 496.138, 496.146 and 506.119
457 Stats. Implemented: ORS 506.109 and 506.129
458

459 **Miscellaneous Provisions**

460 **635-500-1470**

461 **Angler Access**

- 462 (1) The following operating principles apply to the Molalla and Pudding subbasins:
- 463 (a) The Department shall seek to provide access for boat and bank angling that will satisfy public need for a



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- 464 variety of angling opportunities and a dispersion of angling effort throughout the subbasin;
465 (b) Acquisition and development of angler access sites shall be consistent with guidelines and objectives for
466 management of fish species and habitat.
467 ~~[(2) In accordance with these operating principles, it is the objective of the Department to:~~
468 ~~(a) Provide and maintain nine permanent boat access sites on the main stem Molalla River and one permanent~~
469 ~~site on the lower Pudding;~~
470 ~~(b) Increase bank angling access in the Molalla and Pudding subbasins.]~~

471 Stat. Auth.: ORS 496.138, 496.146 and 506.119
472 Stats. Implemented: ORS 506.109 and 506.129
473

474 North Santiam, South Santiam, and Calapooia River Subbasins Fish Management
475 Policies, Operating Principles and Objectives

476 Habitat

477 **635-500-1480**

478 **Habitat**

479 ~~[It is the objective of the Department to:]~~ **Objective for habitat management in the North Santiam, South**
480 **Santiam, and Calapooia subbasins:**

481 (1) ~~[Restore, maintain or improve upstream and downstream passage for fish at water diversions, dams, culverts,~~
482 ~~and other artificial obstacles.]~~ **Promote habitat conditions that contribute to achieving the desired status of**
483 **spring Chinook salmon and winter steelhead identified in the Upper Willamette Conservation and**
484 **Recovery Plan for Chinook salmon and steelhead (OAR 635-500-6600). This includes, but is not limited to,**
485 **the following actions:**

486 **(a) Maintain and improve upstream and downstream passage for anadromous fish at dams,**
487 **diversions, power projects, and, where appropriate, at natural barriers;**

488 ~~(2)~~ ~~(b)~~ Provide necessary in-stream flows for fish production;

489 **(c) Improve water quality in the subbasins;**

490 **(d) Reduce the impacts of reservoir management on fish production;**

491 **(e) Reduce other habitat impacts of the Detroit/Big Cliff, and Foster/Green Peter Flood**
492 **Control/Hydropower complexes on production of spring Chinook and winter steelhead in lower subbasin**
493 **reaches;**

494 ~~(3)~~ **(f) Protect existing stream habitat from degradation associated with timber harvest, road construction, and**
495 **related activities on forested watersheds** **lands;**

496 ~~(4)~~ **(g) Protect existing stream habitat in lowland areas** **throughout the lower subbasins** from degradation
497 associated with agricultural, residential and commercial development, and other human activities.

498 **(h) Restore and enhance riparian and in-stream fish habitats;**

499 **(i) Inventory streams and assess watershed characteristics that affect fish production.**

500 **(2) Promote habitat conditions for other species where they may be different than for spring Chinook or**
501 **winter steelhead.**



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502 ~~[(5) Develop subbasin specific knowledge that integrates fish distribution and abundance information, habitat~~
503 ~~characteristics and potential for improvement, and sensitive watershed areas into the Department's Habitat~~
504 ~~Database system.]~~

505 Stat. Auth.: ORS 496.138, 496.146 and 506.119
506 Stats. Implemented: ORS 506.109 and 506.129
507

508 **Finfish**

509 **635-500-1490**

510 **Winter Steelhead**

511 **Policy and objectives for winter steelhead in the North Santiam, South Santiam, and Calapooia subbasins:**

512 (1) ~~[The following operating principles apply to the Santiam and Calapooia subbasins:]~~ **Policy: Consistent with**
513 **achieving the desired status for these three populations of winter steelhead identified in the Upper**
514 **Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600),**
515 **the subbasins shall be managed for production of wild winter steelhead.**

516 (a) Winter steelhead shall be managed for natural production. No hatchery-produced winter steelhead shall
517 be released;

518 (b) Native winter steelhead have priority over all other non-native stocks and species.

519 (2) ~~[In accordance with these operating principles, it is the objective of the Department to:]~~ **Objectives for the**
520 **North Santiam subbasin:**

521 (a) ~~[Provide an annual minimum escapement of 8,600 naturally produced winter steelhead adults to the~~
522 ~~Santiam subbasin;]~~ **Achieve the desired status for the North Santiam population of winter steelhead in the**
523 **North Santiam subbasin identified in the Upper Willamette River Conservation and Recovery Plan for**
524 **Chinook Salmon and Steelhead (OAR 635-500-6600);**

525 (b) Reestablish a winter steelhead run in the North Santiam above Detroit Reservoir; **The area above the Big**
526 **Cliff/Detroit dam complex shall be managed for the production of wild winter steelhead;**

527 (c) ~~[Increase escapement to 650 winter steelhead in the South Santiam above Foster Dam]~~ **Increase wild**
528 **production of winter steelhead throughout North Santiam River subbasin, including re-establishing winter**
529 **steelhead runs above Detroit Reservoir;**

530 ~~[(d) Reestablish the winter steelhead run above Green Peter Dam;~~

531 ~~(e) Provide an annual minimum escapement of 1,170 winter steelhead adults to the Calapooia subbasin;~~

532 ~~(f) Provide an average annual sport catch of 200 natural fish in the main stem Santiam and 600 natural fish in~~
533 ~~the North Santiam, and provide a catch and release fishery in the South Santiam;~~

534 ~~(g) Provide a potential average annual harvest of 140 winter steelhead in the Calapooia.]~~

535 **(3) Objectives for the South Santiam subbasin:**

536 **(a) Achieve the desired status for the South Santiam population of winter steelhead in the South**
537 **Santiam subbasin identified in the Upper Willamette River Conservation and Recovery Plan for Chinook**
538 **Salmon and Steelhead (OAR 635-500-6600);**

539 **(b) The area above Foster dam shall be managed for production of wild winter steelhead;**



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540 (c) Increase wild production of winter steelhead throughout the South Santiam River subbasin,
541 including re-establishing winter steelhead runs above Foster Reservoir.

542 (4) Objectives for the Calapooia subbasin:

543 (a) Achieve the desired status for the Calapooia population of winter steelhead in the Calapooia
544 subbasin identified in the Upper Willamette River Conservation and Recovery Plan for Chinook Salmon
545 and Steelhead (OAR 635-500-6600);

546 (b) Increase wild production of winter steelhead throughout the Calapooia River subbasin.

547 Stat. Auth.: ORS 496.138, 496.146 and 506.119

548 Stats. Implemented: ORS 506.109 and 506.129;

549

550 **635-500-1500**

551 **Summer Steelhead**

552 (1) The following operating principles apply to the Santiam and Calapooia subbasins:

553 (a) Manage hatchery production of summer steelhead in the subbasins consistent with achieving the
554 desired status for winter steelhead and spring Chinook populations identified in the Upper Willamette
555 River Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600). Summer
556 steelhead shall be managed for production and harvest of hatchery fish[~~The Department shall monitor the run for~~
557 ~~possible natural production~~];

558 (b) Summer steelhead smolts shall be released into streams that have suitable adult holding habitat
559 throughout the summer and where adults will provide optimum recreational opportunity;

560 (c) Summer steelhead in the North Santiam shall be released at or near Minto Hatchery to protect native
561 winter steelhead production in the North Santiam subbasin. No summer steelhead shall be released into Little
562 North Fork Santiam River;

563 (d) Summer steelhead in the South Santiam River shall be confined to releases at South Santiam Hatchery to
564 protect native winter steelhead production in the upper and lower South Santiam;

565 (e) Only smolt-sized fish shall be released to minimize competition with native salmonids;

566 (f) [~~Brood stock shall be collected May through October to maintain broad run timing while reducing overlap~~
567 ~~with the run timing of the native winter steelhead stock.~~]Summer steelhead shall not be released in the
568 Calapooia subbasin.

569 (2) In accordance with these operating principles, it is the objective of the Department to:

570 (a) [~~Increase the potential average annual sport catch to 700 summer steelhead in the main stem Santiam,~~
571 ~~4,500 in the North Santiam, and 5,600 in the South Santiam~~]Continue to maximize harvest of adults in the
572 Santiam subbasins;

573 (b) [~~Continue to maximize harvest of adults in the subbasin.~~]Minimize the potential impact of summer
574 steelhead on native winter steelhead and trout;

575 (c) [~~Maintain a return of 2,000 adults to Foster Dam to meet brood stock needs;~~]The Department shall
576 monitor the run for possible natural production.

577 [(d) Minimize the potential impact of summer steelhead on native winter steelhead and trout.]



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578 Stat. Auth.: ORS 496.138, 496.146 and 506.119
579 Stats. Implemented: ORS 506.109 and 506.129
580

581 **635-500-1520**

582 **Spring Chinook Salmon**

583 [~~Operating policies and objectives for spring Chinook in the Santiam and Calapooia River basins are found in OAR~~
584 ~~635-500-1666.~~]

585 **Policy and objectives for wild and hatchery spring Chinook in the North Santiam, South Santiam, and**
586 **Calapooia subbasins:**

587 **(1) Policy: Consistent with achieving the desired status for these three populations of spring Chinook**
588 **salmon identified in the Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and**
589 **Steelhead (OAR 635-500-6600), the North Santiam and South Santiam subbasins shall be managed for**
590 **production of wild and hatchery spring Chinook. The Calapooia subbasin will be managed for eventual**
591 **re-establishment of a wild population.**

592 **(2) Objectives for the North Santiam subbasin:**

593 **(a) Achieve the desired status for the North Santiam population of spring Chinook in the North**
594 **Santiam subbasin identified in the Upper Willamette River Conservation and Recovery Plan for Chinook**
595 **Salmon and Steelhead (OAR 635-500-6600);**

596 **(b) Monitor the status of the spring Chinook run in the North Santiam River subbasin;**

597 **(c) Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due**
598 **to dam construction and operations;**

599 **(d) The North Santiam River subbasin, except for the Little North Santiam River subbasin, shall be**
600 **managed for wild and hatchery production of spring Chinook;**

601 **(e) The Little North Salmon River subbasin shall be managed for wild production of spring Chinook;**

602 **(f) After a reintroduction program using hatchery spring Chinook, the area above the Big Cliff/Detroit**
603 **dam complex shall be managed for the production of wild spring Chinook;**

604 **(g) Increase wild and natural production of spring Chinook throughout North Santiam River subbasin,**
605 **including re-establishing spring Chinook runs above Detroit Reservoir;**

606 **(h) Protect and improve upon the remaining genetic diversity of North Santiam spring Chinook;**

607 **(i) Manage hatchery fish genetic diversity to meet harvest management objectives, and to maintain**
608 **their optimum biological and economic value;**

609 **(j) Manage the hatchery mitigation program in a manner to assist recovery of the wild population.**

610 **(3) Objectives for the South Santiam subbasin:**

611 **(a) Achieve the desired status for the South Santiam population of spring Chinook in the South**
612 **Santiam subbasin identified in the Upper Willamette River Conservation and Recovery Plan for Chinook**
613 **Salmon and Steelhead (OAR 635-500-6600);**

614 **(b) Monitor the status of the spring Chinook run in the South Santiam River subbasin;**

615 **(c) Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due**



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- 616 to dam construction and operations;
- 617 (d) The South Santiam River subbasin shall be managed for natural and hatchery production of spring
- 618 Chinook;
- 619 (e) Increase wild and natural production of spring Chinook throughout the South Santiam River
- 620 subbasin, including re-establishing spring Chinook runs above Foster Reservoir;
- 621 (f) After a reintroduction program using hatchery spring Chinook, the area above Foster dam shall be
- 622 managed for production of wild spring Chinook;
- 623 (g) Protect and improve upon the remaining genetic diversity of South Santiam spring Chinook;
- 624 (h) Manage hatchery fish genetic diversity to meet harvest management objectives, and to maintain
- 625 their optimum biological and economic value;
- 626 (i) Manage the hatchery mitigation program in a manner to assist recovery of the wild population.
- 627 (4) Objectives for the Calapooia subbasin:
- 628 (a) Achieve the desired status for the Calapooia population of spring Chinook in the Calapooia
- 629 subbasin identified in the Upper Willamette River Conservation and Recovery Plan for Chinook Salmon
- 630 and Steelhead (OAR 635-500-6600);
- 631 (b) Monitor the status of the spring Chinook run in the Calapooia River subbasin;
- 632 (c) The Calapooia River subbasin shall be managed for natural production of spring Chinook;
- 633 (d) Increase natural production of spring Chinook in the Calapooia River subbasin.

Stat. Auth.: ORS 496.138, 496.146, 506.119
Stats. Implemented: ORS 506.109 and 506.129

Tualatin Subbasin Fish Management
Operating Principles and Objectives
Finfish

635-500-1620

Winter Steelhead

Policy and objectives for winter steelhead in Tualatin subbasin:

~~(1) [The following operating principles apply to the Tualatin subbasin:]~~ Policy: Consistent with achieving the
desired status for Upper Willamette River winter steelhead DPS identified in the Upper Willamette River
Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600), the Tualatin
subbasin shall be managed for production of wild winter steelhead.

(a) Wild winter steelhead shall be managed for natural production. No hatchery-produced winter steelhead, including STEP fry, shall be released.

~~[(b) The naturally produced run of winter steelhead shall not be enhanced with releases of hatchery fish pending an analysis of the status of wild steelhead populations in the subbasin.]~~

~~(2) In accordance with these operating principles, it is the objective of the Department to:~~

~~(a) Maintain an average annual run of 2,000 winter steelhead to the Tualatin subbasin;~~

~~(b) Provide a potential average annual harvest of 400 winter steelhead in the Tualatin subbasin.]~~



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654 Stat. Auth.: ORS 496.138, 496.146 and 506.119
655 Stats. Implemented: ORS 506.109 and 506.129
656

657 635-500-1630

658 Coho Salmon

659 (1) The following operating principle applies to coho salmon in the Tualatin subbasin: Maintain natural
660 production of coho salmon in the Tualatin subbasin consistent with achieving the desired status for
661 winter steelhead and spring Chinook populations identified in the Upper Willamette River Conservation
662 and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600). [Hatchery coho salmon
663 production for the Tualatin subbasin shall consist solely of compensation releases for the Scoggins Dam project.

664 (2) In accordance with this operating principle, it is the objective of the Department to:

- 665 (a) Achieve and maintain an average annual escapement of 600 coho salmon to the Tualatin subbasin;
666 (b) Provide a potential average annual harvest of 150 coho salmon in the Tualatin subbasin and a potential
667 average annual harvest of 1,200 and 900 fish in ocean and Columbia River fisheries, respectively.]

668 Stat. Auth.: ORS 496.138, 496.146 and 506.119
669 Stats. Implemented: ORS 506.109 and 506.129
670

671 WILLAMETTE BASIN
672 FISH MANAGEMENT PLAN
673 FOR SPRING CHINOOK
674 McKenzie River Basin
675 Fish Management Plan for Spring Chinook

676 635-500-1661

677 Management policies, objectives, and operating principles for spring Chinook in the Mckenzie River
678 subbasin are under OAR 635-500-0271. [Operating Policy and Objectives

679 (1) The following policy applies to spring Chinook in the McKenzie River Basin: The McKenzie River Basin shall
680 be managed for wild and hatchery production of spring Chinook.

681 (2) In accordance with this policy, it is the objective of the Department to:

682 (a) Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due to dam
683 construction and operations;

684 (b) Maintain the gene resources of McKenzie spring Chinook by managing within the standards of a "Type 2"
685 program as developed to meet the requirements of OAR 635-007-0527 Operating Principles for Wild Fish
686 Management section (2)(c);

687 (c) Maintain hatchery fish genetic diversity, to assure that hatchery populations replicate ancestral population
688 characteristics, meet the management objectives for which they are produced, and maintain their optimum
689 biological and economic value;

690 (d) Continue research into population dynamics of wild McKenzie spring Chinook, including population
691 sustainability parameters and the development of a full seeding spawning escapement goal;

692 (e) Provide escapement of 3,000-5,000 spring Chinook above Leaburg Dam to explore full seeding of the
693 existing habitat;



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- 694 (f) Increase the number of wild spring Chinook returning to the McKenzie River to 10,000;
695 (g) Increase the number of hatchery produced spring Chinook returning to the McKenzie River to 8,000;
696 (h) Provide opportunity to catch 1,000 spring Chinook in the McKenzie River sport fishery.]
697 Stat. Auth.: ORS 496.138, 496.146, 506.119
698 Stats. Implemented: ORS 506.109 and 506.129
699

Clackamas River Basin
Fish Management Plan for Spring Chinook

635-500-1662

Management policies, objectives, and operating principles for spring Chinook in the Clackamas River subbasin are under OAR 635-500-0840.[Operating Policy and Objectives

(1) The following policy applies to spring Chinook in the Clackamas River Basin: Consistent with achieving the desired status for spring Chinook salmon identified in the Lower Columbia River Conservation and Recovery Plan for Oregon Populations of Salmon and Steelhead (OAR 635-500-6575), the Clackamas Basin shall be managed for production of wild and hatchery spring Chinook.

(2) In accordance with this policy, it is the objective of the Department to:

- (a) Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due to dam construction and operations;
(b) Monitor the status of the spring Chinook run in the Clackamas basin;
(c) Maintain the gene resources of Clackamas spring Chinook;
(d) Maintain hatchery fish genetic diversity, to assure that hatchery populations replicate ancestral population characteristics, meet the management objectives for which they are produced, and maintain their optimum biological and economic value;
(e) Achieve the desired status for spring Chinook salmon in the Clackamas basin identified in the Lower Columbia River Conservation and Recovery Plan for Oregon Populations of Salmon and Steelhead (OAR 635-500-6575);

(f) Increase the average annual harvest to 5,000 spring Chinook salmon in the Clackamas River Basin.]

Stat. Auth.: ORS 496.138, 496.146, 506.119
Stats. Implemented: ORS 506.109 and 506.129

Willamette River Basin
Above the Mouth of the McKenzie River
Fish Management Plan for Spring Chinook

635-500-1663

Management policies, objectives, and operating principles for spring Chinook in the area above the mouth of the McKenzie River are under OAR 635-500-1290.[Operating Policy and Objectives

(1) The following policy applies to spring Chinook in the Willamette River Basin above the mouth of the McKenzie River: The Willamette River Basin above the mouth of the McKenzie River shall be managed for hatchery production and natural production of spring Chinook.

(2) In accordance with this policy, it is the objective of the Department to:



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- 734 (a) ~~Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due to dam~~
735 ~~construction and operations;~~
- 736 (b) ~~Maintain hatchery fish genetic diversity, to assure that hatchery populations replicate ancestral population~~
737 ~~characteristics, meet the management objectives for which they are produced, and maintain their optimum~~
738 ~~biological and economic value;~~
- 739 (c) ~~Return at least 11,250 hatchery produced spring Chinook to the Willamette River basin above the mouth of~~
740 ~~the McKenzie River;~~
- 741 (d) ~~Provide opportunity to catch 1,125 spring Chinook in the Willamette River basin above the mouth of the~~
742 ~~McKenzie River;~~
- 743 (e) ~~Increase natural production of spring Chinook in the Willamette River basin above the mouth of the~~
744 ~~McKenzie River.]~~

745 Stat. Auth.: ORS 496.138, 496.146, 506.119
746 Stats. Implemented: ORS 506.109 and 506.129
747

748 **Mainstem Willamette River Basin**
749 **Fish Management Plan for Spring Chinook**

750 **635-500-1664**

751 **Objectives**

752 The following objectives of the Department apply to spring Chinook in the Mainstem Willamette River: **Manage**
753 **the escapement of wild spring Chinook into the Willamette River to meet the desired status of**
754 **independent populations in Willamette River subbasins, as described in the Upper Willamette River**
755 **Conservation and Recovery Plan for Chinook Salmon and Steelhead (OAR 635-500-6600):**

- 756 (1) Increase the average annual run size to 100,000 Willamette spring Chinook (adults and jacks) entering the
757 Columbia River.
- 758 (2) The escapement goals for Willamette River hatchery origin spring Chinook are as follows:
 - 759 (a) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is fewer than
760 40,000 hatchery fish, the escapement goal after fisheries is 23,000 hatchery fish with 20,000 fish passing
761 Willamette Falls and 3,000 fish entering the Clackamas River.
 - 762 (b) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 40,000 to
763 fewer than 50,000 hatchery fish, the escapement goal after fisheries is 25,300 hatchery fish with 22,000 fish
764 passing Willamette Falls and 3,300 fish entering the Clackamas River.
 - 765 (c) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 50,000 to
766 fewer than 60,000 hatchery fish, the escapement goal after fisheries is 27,600 hatchery fish with 24,000 fish
767 passing Willamette Falls and 3,600 fish entering the Clackamas River.
 - 768 (d) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 60,000 to
769 fewer than 70,000 hatchery fish, the escapement goal after fisheries is 30,500 hatchery fish with 26,500 fish
770 passing Willamette Falls and 4,000 fish entering the Clackamas River.
 - 771 (e) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 70,000 to
772 fewer than 80,000 hatchery fish, the escapement goal after fisheries is 33,400 hatchery fish with 29,000 fish



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- 773 passing Willamette Falls and 4,400 fish entering the Clackamas River.
- 774 (f) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 80,000 to
775 fewer than 90,000 hatchery fish, the escapement goal after fisheries is 36,900 hatchery fish with 32,000 fish
776 passing Willamette Falls and 4,900 fish entering the Clackamas River.
- 777 (g) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 90,000 to
778 fewer than 100,000 hatchery fish, the escapement goal after fisheries is 40,400 hatchery fish with 35,000 fish
779 passing Willamette Falls and 5,400 fish entering the Clackamas River.
- 780 (h) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is greater than
781 100,000 hatchery fish, the escapement goal after fisheries is 45,000 hatchery fish with 39,000 fish passing
782 Willamette Falls and 6,000 fish entering the Clackamas River.
- 783 (3) The difference between the preseason forecast of Willamette River hatchery origin spring Chinook entering the
784 Columbia River and the escapement goal is allowable catch to be allocated to the sport and commercial fisheries
785 in the lower Columbia, lower Willamette, and Clackamas rivers as follows:
- 786 (a) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is fewer than
787 23,000 hatchery fish there is no allowable catch except sport and commercial fisheries may each take up to 1% of
788 the run as incidental catch in non-Willamette spring Chinook target fisheries.
- 789 (b) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 23,000 to
790 fewer than 40,000 hatchery fish, the entire allowable catch is allocated to the sport fishery except the commercial
791 fishery may take up to 1% of the run as incidental catch in non-Willamette spring Chinook target fisheries.
- 792 (c) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 40,000 to
793 fewer than 45,000 hatchery fish, the allowable catch is allocated 85% to the sport fishery and 15% to the
794 commercial fishery.
- 795 (d) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 45,000 to
796 fewer than 50,000 hatchery fish, the allowable catch is allocated 80% to the sport fishery and 20% to the
797 commercial fishery.
- 798 (e) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 50,000 to
799 fewer than 60,000 hatchery fish, the allowable catch is allocated 76% to the sport fishery and 24% to the
800 commercial fishery.
- 801 (f) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is 60,000 to
802 fewer than 75,000 hatchery fish, the allowable catch is allocated 73% to the sport fishery and 27% to the
803 commercial fishery.
- 804 (g) If the preseason forecasted Willamette hatchery spring Chinook run into the Columbia River is greater than
805 75,000 hatchery fish, the allowable catch is allocated 70% to the sport fishery and 30% to the commercial fishery.
- 806 (4) In the mainstem above Willamette Falls up to the mouth of the McKenzie River, maintain the opportunity for
807 recreational catch of spring Chinook salmon consistent with opportunity in the mainstem below Willamette Falls.

808 Stat. Auth.: ORS 496.138, 496.146, 506.119
809 Stats. Implemented: ORS 506.109 and 506.129
810



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811 Molalla and Pudding River subbasins
812 Fish Management Plan for Spring Chinook

813 635-500-1665

814 Management policies, objectives, and operating principles for spring Chinook in the Molalla and Pudding
815 River subbasins are under OAR 635-500-1410.~~Operating Policies and Objectives~~

- 816 (1) The following policies apply to spring Chinook in the Molalla and Pudding basins:
- 817 (a) The Molalla River Basin shall be managed for natural and hatchery production of spring Chinook;
 - 818 (b) The Pudding River Basin shall be managed for natural production of spring Chinook.
- 819 (2) In accordance with these policies, it is the objective of the Department to:
- 820 (a) Increase natural production of spring Chinook in the Molalla River Basin;
 - 821 (b) Increase natural production of spring Chinook in the Pudding River Basin;
 - 822 (c) Provide a potential average catch of 250 adult hatchery spring Chinook salmon in the Molalla River, as
823 measured by expansion of salmon/steelhead tag returns.]

824 Stat. Auth.: ORS 496.138, 496.146, 506.119
825 Stats. Implemented: ORS 506.109 and 506.129
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827 Santiam and Calapooia River Basins
828 Fish Management Plan for Spring Chinook

829 635-500-1666

830 Management policies, objectives, and operating principles for spring Chinook in the Santiam and
831 Calapooia River subbasins are under OAR 635-500-1520.~~Operating Policies and Objectives~~

- 832 (1) The following policies apply to spring Chinook in the Santiam and Calapooia basins:
- 833 (a) The North Santiam River Basin, except for the Little North Santiam River Basin, shall be managed for wild
834 and hatchery production of spring Chinook;
 - 835 (b) The Little North Salmon River Basin shall be managed for wild production of spring Chinook;
 - 836 (c) The South Santiam River Basin shall be managed for natural and hatchery production of spring Chinook;
 - 837 (d) The Calapooia River Basin shall be managed for natural production of spring Chinook.
- 838 (2) In accordance with these policies, it is the objective of the Department to:
- 839 (a) Achieve full mitigation for Willamette River spring Chinook populations reduced or extirpated due to dam
840 construction and operations;
 - 841 (b) Protect the gene resources of North Santiam spring Chinook;
 - 842 (c) Maintain hatchery fish genetic diversity, to assure that hatchery populations replicate ancestral population
843 characteristics, meet the management objectives for which they are produced, and maintain their optimum
844 biological and economic value;
 - 845 (d) Increase wild and natural production of spring Chinook in the North Santiam River Basin, including re-
846 establishing spring Chinook runs above Detroit Reservoir;
 - 847 (e) Increase natural production of spring Chinook in the South Santiam River Basin, including re-establishing
848 spring Chinook runs above Green Peter and Foster reservoirs;
 - 849 (f) Increase natural production of spring Chinook in the Calapooia River Basin;



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850 ~~(g) Provide a potential average catch of 1,400 hatchery spring Chinook adults in the mainstem and North~~
851 ~~Santiam River, and 1,600 hatchery spring Chinook adults in the South Santiam River, as measured by expansion~~
852 ~~of salmon/steelhead tag returns.]~~

853 Stat. Auth.: ORS 496.138, 496.146, 506.119
854 Stats. Implemented: ORS 506.109 and 506.129
855

856 **635-500-6600** (New Rule)

857 **Implementing the Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and**
858 **Steelhead**

859 **(1) Policy.**

860 **The Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead (UWR**
861 **Plan; State of Oregon 2011, available at Department offices) implements the State's strategy for protecting**
862 **and enhancing Chinook salmon and steelhead trout in Willamette River subbasins, in cooperation with**
863 **other federal and local partners, including Oregon Plan natural resource agencies and NOAA Fisheries.**
864 **The UWR Plan is based on the premise that the Oregon Plan for Salmon and Watersheds provides the**
865 **best vehicle for securing partnerships, both private and governmental, to successfully implement the**
866 **actions called for in this plan. This rule describes the Commission's contribution toward this collective**
867 **effort and directs the Department's implementation of the UWR Recovery Plan. This rule describes the**
868 **Department's role in implementing the UWR Recovery Plan consistent with the Department's statutory**
869 **authorities and the Native Fish Conservation Policy (OAR 635-007-0502 thru 635-007-0505). The rule is not**
870 **intended to be a rigid recipe but rather to identify the range of opportunities the Department should**
871 **pursue and how the effectiveness of those opportunities should be evaluated, following the template first**
872 **established in the Native Fish Conservation Policy.**

873 **(2) Description of Species Management Unit and Populations.**

874 **The Species Management Units (SMUs) for Upper Willamette River Chinook and steelhead are the**
875 **portions of the Upper Willamette River Evolutionarily Significant Units (ESUs) for Chinook salmon, and**
876 **the Distinct Population Segment (DPSs) for steelhead that are comprised of independent populations, as**
877 **defined in Chapter 2 of the UWR Plan. To avoid confusion and because the SMUs are the same as the**
878 **federal ESUs, or DPSs, designations, the term ESU will be used to designate the SMUs for Willamette**
879 **River Chinook salmon and steelhead.**

880 **(3) Desired Status.**

881 **The desired status goal for populations of Upper Willamette Chinook salmon and steelhead is two-tiered**
882 **such that:**

883 **(a) Delisting Goal. The ESU and DPS covered by the UWR Plan can be removed from the federal**
884 **Endangered Species Act threatened and endangered list. This shall be achieved through the following:**

885 **(A) All independent populations achieve the status called for under the Desired Status for**
886 **Delisting identified in Chapter 6 of the plan; and**

887 **(B) Significant improvements are achieved in salmon and steelhead survival from actions**



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888 implemented to reduce habitat, hydrosystem, harvest, hatcheries, and/or predation threats, as identified in
889 Chapter 6 for each population; and

890 (b) Broad Sense Goal. Eventual improvements in salmon and steelhead survival from management
891 actions provide for all independent populations to be sufficiently abundant, productive, and diverse (in
892 terms of life histories and geographic distribution) so that they provide significant ecological, social,
893 cultural, and economic benefits. These broad sense recovery goals for the ESUs shall be achieved by the
894 following:

895 (A) All independent Upper Willamette River Chinook salmon and steelhead populations pass all of
896 the measurable criteria for highly viable status.

897 (c) The three measurable criteria for desired status of Upper Willamette Chinook salmon and
898 steelhead independent populations are defined in Chapter 8 of the UWR Plan and include:

899 (A) Abundance and productivity;

900 (B) Spatial structure; and

901 (C) Diversity.

902 (d) While criteria for survival rate to each critical life history stage can not yet be developed with the
903 available information and monitoring, staff shall establish such criteria for these biological attributes
904 when adequate information and monitoring is available.

905 (4) Current Status.

906 The current status of each Upper Willamette River Chinook salmon and steelhead ESU at the time of the
907 adoption of this rule is described in Chapter 4 of the UWR Plan. This assessment describes the biological
908 attributes, criteria and metrics used to assess the status of each ESU. Those biological attributes,
909 criteria, and metrics are adopted by reference into this rule. The Department shall update current status
910 periodically consistent with timelines described under Adaptive Management in Chapter 9 of the UWR
911 Plan. These updates do not require rule modification of current status, but rather will serve as a
912 measurement of progress toward desired status.

913 (5) Primary Limiting Factors.

914 (a) Numerous factors contribute to the gap between current and desired status of populations
915 comprising the Upper Willamette River Chinook salmon and steelhead ESUs. Marine survival of salmon
916 and steelhead associated with ocean conditions is the largest single factor regulating salmon and
917 steelhead productivity and abundance. Marine survival is not considered a primary limiting factor for
918 salmon and steelhead because management has little influence on marine survival.

919 (b) The factors generally causing the gap between current and desired status for the Upper Willamette
920 River Salmon and Steelhead ESUs that can be managed are:

921 (A) Impaired fish passage;

922 (B) Stream habitat complexity including riparian condition;

923 (C) Water quality;

924 (D) Water quantity;



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- 925 (E) Altered hydrology;
926 (F) Excessive sediment;
927 (G) Harvest;
928 (H) Hatchery fish interactions; and
929 (I) Predation.

930 (c) Primary and secondary limiting factors are identified for each population in Chapter 5 of the UWR
931 Plan. Staff will continue to help revise and identify new management actions addressing these factors to
932 aid in reaching desired status. Staff may analyze the limiting factors at a finer, more localized scale when
933 selecting or prioritizing management actions for specific areas. These analyses may find primary and
934 secondary factors different at a local scale than what was found at the ESU or population scale.

935 (6) Management Strategies.

936 Management strategies to address limiting factors for each population are identified in Chapter 7 of the
937 UWR Plan. Staff shall consider and attempt to implement these management strategies designed for the
938 ESUs as a whole, and for constituent populations as applicable, as mechanisms to reach the desired
939 status.

940 (a) Short-term Strategies (1 to 5 years):

941 (A) Provide technical support to local watershed groups to inform them of the primary and
942 secondary limiting factors at local scales within populations.

943 (B) Educate and inform watershed groups and co-managers of the highest priority tributary
944 management actions. Facilitate implementation of the highest priority tributary habitat actions.

945 (C) Provide support to oversee the tracking and reporting of plan action implementation and
946 development of implementation schedules as called for in Chapter 9 of the UWR Plan.

947 (D) Implement actions to reduce the abundance of naturally spawning hatchery fish in those
948 populations where reductions are called for in Chapter 6 of the Oregon UWR Plan to achieve desired
949 status.

950 (E) Conduct analyses to determine the effect of climate change on individual populations to help
951 prioritize action implementation.

952 (b) Additional Long-term Strategies (1 to 25 years):

953 (A) Work cooperatively with co-managers to assist Action Agencies in implementing the federal
954 Biological Opinions that address effects of flood control/hydropower facilities and operations.

955 (B) Implement the research, monitoring and evaluation identified in Chapter 8 of the UWR Plan
956 within funding and staffing constraints.

957 (C) Facilitate the implementation of the adaptive management strategy and framework identified in
958 Chapter 9 of the UWR Plan.

959 (D) Collect monitoring data, conduct analyses, and complete or support reports and assessments
960 documenting progress toward the desired status goals for the Upper Willamette River ESUs.

961 (E) Provide technical support to, and coordinate with, federal, state and local agencies and groups



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962 to protect existing high quality salmon and steelhead habitat.

963 (F) Provide technical support to, and coordinate with, federal, state and local agencies and groups
964 to create additional high quality salmon and steelhead habitat.

965 (G) Provide technical and outreach support to willing landowners that will enhance the
966 maintenance and/or creation of high quality salmon and steelhead habitat.

967 (7) Adaptive Management.

968 The Department shall employ adaptive management principles within its statutory authority in support of
969 achieving the desired status goal for the ESUs by participating in the adaptive management and
970 implementation processes defined in Chapter 9 of the UWR Plan. The Department's contribution to
971 adaptive management of the ESUs by the state of Oregon will include five elements: research; monitoring;
972 evaluation; a feedback loop; and reporting.

973 (a) Research. The Department shall support high priority research identified in the Plan that
974 addresses uncertainties related to management strategies and actions needed to achieve desired status.
975 Research needs at the time of adoption (but which are not intended to be the exclusive research projects
976 to be pursued) are identified in the UWR Plan in Chapter 8.

977 (A) Future research needs shall be identified during periodic assessments of the effectiveness of
978 the UWR Plan.

979 (b) Monitoring. The Department shall continue to identify, implement, and support monitoring needed
980 to assess the status of each ESU and the Chinook salmon and steelhead populations relative to desired
981 status criteria and evaluate habitat status trends in the Upper Willamette River ESUs, as funding and
982 staffing allow. Monitoring needs at the time of adoption are identified in the UWR Plan in Chapter 8.

983 (A) Future monitoring needs shall be identified during periodic assessments of the effectiveness
984 of the UWR Plan.

985 (c) Evaluation. The Department shall identify and support evaluation needed to determine status
986 assessment and the effectiveness of management strategies and actions in achieving their intended
987 outcomes. Evaluation needs at the time of adoption are identified in the UWR Plan in Chapter 8.

988 (A) Future evaluation needs shall be identified during periodic assessments of the effectiveness of
989 the UWR Plan.

990 (d) Feedback Loop. The Department shall review the results of reports and assessments identified in
991 635-500-6575(7)(e) and modify management strategies and actions as appropriate and within its statutory
992 authority based on the review results. The Department shall implement the Adaptive Management
993 processes identified in the Oregon UWR Plan and recommend to the UWR Recovery and Oregon Plan
994 Core Teams and other agencies or entities, as necessary, appropriate modifications to management
995 strategies and actions needed to support attainment of the desired status goals for each ESU. This
996 feedback shall include refinement of management actions, research, monitoring and evaluation programs
997 and desired status criteria based on the best available scientific information.

998 (e) Reporting. Annual and periodic evaluations of Plan implementation and ESU status shall be made



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999 available to the public. The Department shall participate in the preparation of annual and 5-year (2016)
1000 status reports, the 12-year (2023) ESU assessment of the effectiveness of the UWR Plan, and additional
1001 assessments as necessitated by new information or significant population declines.

1002 (f) Modifications to the UWR Plan are required if the fish become listed as endangered under the
1003 federal ESA or by the direction of the UWR Recovery Team in periodic UWR Plan status reports. These
1004 reports by the Recovery Team will serve as an early warning system that will direct additional monitoring,
1005 evaluation, or management actions, if needed, based on annual review of monitoring data.

1006 (8) Impact on Other Native Fish Species.

1007 Management strategies identified in the UWR Plan are likely to be beneficial to other native fish species
1008 present in the ESUs because they focus on restoring natural processes. New or modified actions shall
1009 consider impacts to other native species, as appropriate, to minimize harm and optimize benefits.

1010 Stat. Auth.: ORS 496.138, 496.146, and 506.119
1011 Stats. Implemented: ORS 506.109 and 506.129