## 105TH CONGRESS 1ST SESSION H.R. 1861

To amend the Forest and Rangeland Renewable Resources Planning Act of 1974, the Federal Land Policy and Management Act of 1976, the National Wildlife Refuge System Administration Act of 1966, the National Indian Forest Resources Management Act, and title 10, United States Code, to strengthen the protection of native biodiversity and to place restraints upon clearcutting and certain other cutting practices on the forests of the United States.

### IN THE HOUSE OF REPRESENTATIVES

#### JUNE 11, 1997

Mr. HINCHEY (for himself and Mr. SHAYS) introduced the following bill; which was referred to the Committee on Agriculture, and in addition to the Committees on Resources, and National Security, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

## A BILL

To amend the Forest and Rangeland Renewable Resources Planning Act of 1974, the Federal Land Policy and Management Act of 1976, the National Wildlife Refuge System Administration Act of 1966, the National Indian Forest Resources Management Act, and title 10, United States Code, to strengthen the protection of native biodiversity and to place restraints upon clearcutting and certain other cutting practices on the forests of the United States. Be it enacted by the Senate and House of Representa tives of the United States of America in Congress assembled,
 SECTION 1. SHORT TITLE.

4 This Act may be cited as the "Forest Biodiversity5 Act of 1997".

## 6 SEC. 2. PURPOSES, FINDINGS, CONFLICT WITH ENDAN7 GERED SPECIES ACT.

8 (a) PURPOSES.—The purposes of this Act are, on all 9 Federal public lands, to conserve native biodiversity and 10 to protect all native ecosystems against losses that result 11 from clearcutting and other forms of evenage logging.

12 (b) FINDINGS.—Congress finds the following:

(1) Federal agencies of the United States that
engage in evenage logging practices include the Forest Service of the Department of Agriculture, the
United States Fish and Wildlife Service, Bureau of
Land Management, and Bureau of Indian Affairs of
the Department of the Interior, and the Army,
Navy, and Air Force of the Department of Defense.

(2) Evenage logging causes substantial alterations in native biodiversity by emphasizing the production of a limited number of commercial species of
trees on each site, generally only one; by manipulating the vegetation toward greater relative density of
such commercial species, by suppressing competing

species, and by planting, on numerous sites, a com-2 mercial strain that was developed to reduce the rel-3 ative diversity of genetic strains that previously oc-4 curred within the species on the same sites.

5 (3) Evenage logging kills immobile species and 6 the very young of mobile species of wildlife and de-7 pletes the habitat of deep-forest species of animals, 8 including endangered species.

9 (4) Evenage logging exposes the soil to direct 10 sunlight, impact of rains, disruption of surface, and 11 compaction of organic layers, and disrupts the run-12 off restraining capabilities of roots and low-lying 13 vegetation, resulting in soil erosion, leaching out of 14 nutrients, reduction in biological content of the soil, 15 and impoverishment of the soil, with long-range dele-16 terious effect on all land resources, even timber 17 production.

18 (5) Evenage logging decreases the capability of 19 the soil to retain carbon and, during the critical pe-20 riods of felling and site preparation, reduces the ca-21 pacity of the biomass to process and to store carbon, 22 with a result of loss of such carbon to the atmos-23 phere, thereby aggravating global warming.

24 (6) Evenage logging renders the soil increas-25 ingly sensitive to acid deposition by causing decline

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of soil wood and coarse woody debris, reducing site
 capacity for retention of water and nutrients, in creasing soil heat, and impairing the maintenance of
 protective carbon compounds on the soil surface.

5 (7) Evenage logging results in increased stream 6 sedimentation, siltation of stream bottoms, decline in 7 water quality, impairment of life cycles and spawn-8 ing processes of aquatic life from benthic organisms 9 to large fish, thereby depleting the sports and com-10 mercial fisheries of the United States.

11 (8) Evenage logging increases harmful edge ef-12 fects, including blowdowns, invasions by weed spe-13 cies, and heavier losses to predators and competi-14 tors, from raccoons and hawks to ratsnakes and 15 cowbirds.

(9) Evenage logging decreases recreational values, reducing deep, canopied, variegated, permanent
forests, where the public can fulfill an expanding
need for recreation. Evenage logging replaces such
forests with a surplus of clearings that grow into relatively impenetrable thickets of saplings, and then
into monotonous plantations.

(10) Human beings depend on native biological
resources, including plants, animals, and micro-organisms, for food, medicine, shelter, and other impor-

tant products, and as a source of intellectual and
 scientific knowledge, recreation, and aesthetic
 pleasure.

4 (11) Alteration of native biodiversity has seri5 ous consequences for human welfare as America
6 irretrievably loses resources for research and agricul7 tural, medicinal, and industrial development.

8 (12) Alteration of biological diversity in Federal 9 forests adversely affects the functions of ecosystems 10 and critical ecosystem processes that moderate cli-11 mate, govern nutrient cycles and soil conservation 12 and production, control pests and diseases, and 13 degrade wastes and pollutants.

14 (13) The harm of evenage logging to the natu15 ral resources of this Nation and the quality of life
16 of its people are substantial, severe, and avoidable.

(14) By substituting selection management, as
prescribed in this Act, for the evenage system, the
Federal agencies now engaged in evenage logging
would substantially reduce devastation to the environment and would improve the quality of life of the
American people.

23 (15) By protecting native biodiversity, as pre24 scribed in this Act, Federal agencies would maintain

vital native ecosystems and would improve the qual-2 ity of life of the American people. 3 (16) Selection logging is more job intensive, 4 therefore providing more employment than evenage 5 cutting for managing the same amount of timber 6 production, and produces higher quality sawlogs. 7 (17) The court remedies now available for citizens to utilize in the enforcement of Federal forest 8 9 laws are inadequate, and should be strengthened by 10 providing for actions by citizens for injunctions, de-11 claratory judgments, civil penalties, and reasonable 12 costs of suit. 13 (c) Conflict With Endangered Species Act of 14 1973.—In the event of any conflict between a provision 15 of this Act, or an amendment made by this Act, and the Endangered Species Act of 1973 (16 U.S.C. 1531), the 16 latter shall prevail. 17 18 SEC. 3. AMENDMENT OF RANGELAND AND RENEWABLE RE-19 SOURCES PLANNING ACT OF 1974 RELATING 20 TO NATIONAL FOREST SYSTEM LANDS. 21

(a) CONSERVATION OF NATIVE BIODIVERSITY.—Sec-22 tion 6(g)(3)(B) of the Forest and Rangeland Renewable 23 Resources Planning Act of 1974(16)U.S.C. 24 1604(g)(3)(B) is amended to read as follows:

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"(B) regardless of any other provision in 1 2 this Act, in each stand and each watershed 3 throughout each forested area, the Secretary 4 shall provide for the conservation or restoration 5 of native biodiversity except during the extrac-6 tion stage of authorized mineral development or 7 during authorized construction projects, in 8 which events the Secretary shall conserve native 9 biodiversity to the extent possible;".

(b) COMMITTEE OF SCIENTISTS.—Section 6(h)(1) of
the Forest and Rangeland Renewable Resources Planning
Act of 1974 (16 U.S.C. 1604(h)(1)) is amended to read
as follows:

"(h) COMMITTEE OF SCIENTISTS.—(1) In carrying 14 15 out the purposes of subsection (g) of this section, the Secretary shall appoint a committee of scientists who are not 16 officers or employees of the Forest Service nor of any 17 other public entity, nor of any entity engaged in whole 18 or in part in the production of wood or wood products, 19 20 and have not contracted with or represented any of such 21 entities within a period of 5 years prior to serving on such 22 committee. The committee shall provide scientific and 23 technical advice and counsel on proposed guidelines and 24 procedures and all other issues involving forestry and bio-25 diversity to assure that an effective interdisciplinary approach is proposed and adopted. The committee shall ter minate after the expiration of 10 years from the date of
 enactment of this paragraph.".

4 (c) RESTRICTION ON USE OF CERTAIN LOGGING
5 PRACTICES.—Section 6 of the Forest and Rangeland Re6 newable Resources Planning Act of 1974 (16 U.S.C.
7 1604) is amended by adding at the end the following:

8 "(n) RESTRICTION ON USE OF CERTAIN LOGGING 9 PRACTICES.—(1) In each stand and watershed throughout 10 each forested area, the Secretary shall prohibit any 11 evenage logging and any evenage management after the 12 date of enactment of this subsection.

13 "(2) On each site already under evenage manage-14 ment, the Secretary shall (A) prescribe a shift to selection 15 management within one year, or (B) cease managing for 16 timber purposes and actively restore the native biodiver-17 sity, or permit each site to regain its native biodiversity. 18 "(3) For the purposes of this Act:

19 "(A) The term 'native biodiversity' means the 20 full range of variety and variability within and 21 among living organisms and the ecological complexes 22 in which they would have occurred in the absence of 23 significant human impact, and encompasses diversity 24 within a species (genetic diversity), among species 25 (species diversity), within a community of species (within-community diversity), between communities
 of species (between-communities diversity), within a
 total area such as a watershed (total area diversity),
 along a plane from ground to sky (vertical diversity),
 and along the plane of the earth-surface (horizontal
 diversity). Vertical and horizontal diversity apply to
 all the other aspects of diversity.

"(B) The terms 'conserve' and 'conservation' 8 9 refer to protective measures for maintaining existing 10 native biological diversity and active and passive 11 measures for restoring diversity through manage-12 ment efforts, in order to protect, restore, and en-13 hance as much of the variety of species and commu-14 nities as possible in abundances and distributions 15 that provide for their continued existence and nor-16 mal functioning, including the viability of popu-17 lations throughout their natural geographic distribu-18 tions.

"(C) The term 'within-community diversity'
means the distinctive assemblages of species and ecological processes that occur in different physical
settings of the biosphere and distinct parts of the
world.

"(D) The term 'genetic diversity' means the dif ferences in genetic composition within and among
 populations of a given species.

4 "(E) The term 'between-community diversity'
5 means the distinctive assemblages of communities
6 and ecological processes that occur in different phys7 ical settings of the biosphere and distinct parts of
8 the world.

9 "(F) The term 'species diversity' means the
10 richness and variety of native species in a particular
11 location of the world.

12 "(G) The term 'group selection' means a form 13 of selection management that emphasizes the peri-14 odic removal of trees, including mature, undesirable, 15 and cull trees in small groups, where they occur that 16 way, with a result of (i) creating openings not to ex-17 ceed in width in any direction the height of the tall-18 est tree standing within 10 feet outside the edge of 19 the group cut, and (ii) maintaining different age 20 groups in a given stand. In no event will more than 21 30 percent of the basal area of a stand be felled 22 within 40 years. The foregoing limitation shall not 23 be deemed to establish a 100-year projected felling 24 age as the standard at which individual trees in a 25 stand are to be cut, nor shall native biodiversity be limited to that which occurs within the context of a
100-year projected felling age.
"(H) The term 'stand' means a biological community with enough identity by location, topography,
or dominant species to be managed as a unit, not to
exceed 100 acres.
"(I) The term 'clearcutting' means the logging
af more than one-half of the commercial trees in a

8 of more than one-half of the commercial trees in a
9 patch larger than a group defined in subparagraph
10 (G) or in a stand of any size in a short period of
11 time.

12 "(J) The term 'evenage management' means 13 the growing of timber so that all trees in a patch or 14 stand are generally within 10 years of the same age. 15 Except for designated leave trees, or clumps of trees 16 comprising less than two-thirds of the patch or 17 stand, the patch or stand is logged, completely in 18 any acre within a period of 30 years, by clearcutting, 19 salvage logging, seed-tree cutting or shelterwood cut-20 ting, two-age management or high grading, or any 21 system other than selection management.

"(K) The term 'salvage logging' means the felling or further damaging, within any 30-year period,
of more than one-half the volume per acre of dead,

damaged, or other trees, or any combination of such
 trees.

3 "(L) The term 'seed-tree cut' means an evenage
4 logging operation that leaves a small minority of
5 seed trees in a stand for any period of time.

6 "(M) The term 'selection management' means 7 the application of logging and other actions needed 8 to maintain continuous high forest cover where such 9 cover naturally occurs, recurring natural regenera-10 tion of all native species on the site, and the orderly 11 growth and development of trees through a range of 12 diameter or age classes to provide a sustained yield 13 of forest products. Cutting methods that develop and 14 maintain selection stands are individual-tree and 15 group selection. An essential element of selection is 16 improvement of quality by continuously felling trees 17 less likely to contribute to the long-range health of 18 the stand.

"(N) The term 'shelterwood cut' means an
evenaged logging operation that leaves a minority
(larger than in a seed-tree cut) of the stand as a
seed source or protection cover remaining standing
for any period of time.

24 "(O) The term 'timber purposes' shall include25 the use, sale, lease, or distribution of trees, or the

felling of trees or portions of trees except to create
 land space for a structure or other use.

3 "(4)(A)(i) The purpose of this paragraph is to foster4 the widest possible enforcement of this section.

5 "(ii) Congress finds that all people of the United
6 States are injured by actions on lands to which this section
7 applies.

8 "(B) The provisions of this section shall be enforced 9 by the Secretary of Agriculture and the Attorney General 10 of the United States against any person who violates ei-11 ther of them.

12 "(C)(i) Any citizen harmed by a violation of this Act 13 may enforce any provision of this section by bringing an 14 action for declaratory judgment, temporary restraining 15 order, injunction, civil penalty, and other remedies against 16 any alleged violator including the United States, in any 17 district court of the United States.

18 "(ii) The court, after determining a violation of either 19 of such subsections, shall impose a penalty of not less than 20 \$5,000 and not more than \$50,000 per violation, shall 21 issue one or more injunctions and other equitable relief 22 and shall award to the plaintiffs reasonable costs of litiga-23 tion including attorney's fees, witness fees and other nec-24 essary expenses. "(iii) The standard of proof in all actions brought
 under this subparagraph shall be the preponderance of the
 evidence and the trial shall be de novo.

4 "(D) The penalty authorized by subparagraph (C)(ii)
5 shall be paid by the violator or violators designated by the
6 court. If that violator is the United States of America or
7 a Federal agency or officer, the penalty shall be paid to
8 the Judgment Fund, as provided by Congress under sec9 tion 1304 of title 31, United States Code.

10 "(E) The penalty shall be paid from the Judgment 11 Fund within 40 days after judgment to the person or per-12 sons designated to receive it, to be applied in protecting 13 or restoring native biodiversity in or adjoining Federal 14 land. Any award of costs of litigation and any award of 15 attorney fees shall be paid within 40 days after judgment.

"(F) The United States, including its agents and employees waives its sovereign immunity in all respects in
all actions under this section. No notice is required to enforce this subsection.

"(5) No roads shall be constructed or reconstructed
in any roadless area, as defined in the second United
States Department of Agriculture Forest Service Roadless
Area Review and Evaluation (RARE II, 1978) or in a land
and resource management plan prepared pursuant to this
section.".

(d) CONFORMING AMENDMENT.—(1) Section
 6(g)(3)(F) of the Forest and Rangeland Renewable Re source Planning Act of 1974 (16 U.S.C. 1604(g)(3)(F))
 is amended to read as follows:

5 "(F) ensure that the Secretary shall, with-6 out use of evenage management practices, re-7 store the native biodiversity of manipulated 8 evenage stands within a reasonable period of 9 time.".

(2) Section 6 of the Forest and Rangeland Renewable
Resource Planning Act of 1974 (16 U.S.C. 1604) is further amended by adding at the end the following new subsection:

"(o) RESTORATION OF BIODIVERSITY OF EVENAGE
STANDS.—The Secretary shall carry out all management
practices on the ground in such a way as to protect, insofar as possible, soil, watersheds, fish, wildlife, recreation,
native biodiversity, and esthetic resources, and the trees
that are not cut.".

20 SEC. 4. AMENDMENT OF FEDERAL LAND POLICY AND MAN21 AGEMENT ACT OF 1976 RELATING TO THE
22 PUBLIC LANDS.

(a) CONSERVATION OF NATIVE BIODIVERSITY.—Section 202(c) of the Federal Land Policy and Management
Act of 1976 (43 U.S.C. 1712(c)) is amended—

1 (1) by redesignating paragraphs (8) and (9) as 2 paragraphs (9) and (10), respectively; and 3 (2) by inserting after paragraph (7) the follow-4 ing new paragraph (8): "(8) regardless of any other provision in this 5 6 Act, in each stand and each watershed throughout 7 each forested area, the Secretary shall provide for 8 the conservation or restoration of native biodiversity 9 except during the extraction stage of authorized 10 mineral development or during authorized construc-11 tion projects, in which events the Secretary shall 12 conserve native biodiversity to the extent possible;". 13 (b) RESTRICTION ON USE OF CERTAIN LOGGING PRACTICES.—Section 202 of the Federal Land Policy and 14 15 Management Act of 1976 (43 U.S.C. 1712) is amended by adding at the end the following: 16

"(g) RESTRICTION ON USE OF CERTAIN LOGGING
PRACTICES.—(1) In each stand and watershed throughout
each forested area, the Secretary shall prohibit any
evenage logging and any evenage management after the
date of enactment of this subsection.

"(2) On each site already under evenage management, the Secretary shall (A) prescribe a shift to selection
management within one year, or (B) cease managing for

timber purposes and actively restore the native biodiver sity, or permit each site to regain its native biodiversity.
 "(3) For the purposes of this Act:

"(A) The term 'native biodiversity' means the 4 5 full range of variety and variability within and 6 among living organisms and the ecological complexes 7 in which they would have occurred in the absence of 8 significant human impact, and encompasses diversity 9 within a species (genetic diversity), among species 10 (species diversity), within a community of species 11 (within-community diversity), between communities 12 of species (between-communities diversity), within a 13 total area such as a watershed (total area diversity), 14 along a plane from ground to sky (vertical diversity), 15 and along the plane of the earth-surface (horizontal 16 diversity). Vertical and horizontal diversity apply to 17 all the other aspects of diversity.

18 "(B) The terms 'conserve' and 'conservation' 19 refer to protective measures for maintaining existing 20 native biological diversity and active and passive 21 measures for restoring diversity through manage-22 ment efforts, in order to protect, restore, and en-23 hance as much of the variety of species and commu-24 nities as possible in abundances and distributions 25 that provide for their continued existence and normal functioning, including the viability of popu lations throughout their natural geographic distribu tions.

4 "(C) The term 'within-community diversity'
5 means the distinctive assemblages of species and ec6 ological processes that occur in different physical
7 settings of the biosphere and distinct parts of the
8 world.

9 "(D) The term 'genetic diversity' means the dif10 ferences in genetic composition within and among
11 populations of a given species.

"(E) The term 'between-community diversity'
means the distinctive assemblages of communities
and ecological processes that occur in different physical settings of the biosphere and distinct parts of
the world.

17 "(F) The term 'species diversity' means the
18 richness and variety of native species in a particular
19 location of the world.

"(G) The term 'group selection' means a form
of selection management that emphasizes the periodic removal of trees, including mature, undesirable,
and cull trees in small groups, where they occur that
way, with a result of (i) creating openings not to exceed in width in any direction the height of the tall-

1	est tree standing within 10 feet outside the edge of
2	the group cut, and (ii) maintaining different age
3	groups in a given stand. In no event will more than
4	30 percent of the basal area of a stand be felled
5	within 40 years. The foregoing limitation shall not
6	be deemed to establish a 100-year projected felling
7	age as the standard at which individual trees in a
8	stand are to be cut, nor shall native biodiversity be
9	limited to that which occurs within the context of a
10	100-year projected felling age.
11	"(H) The term 'stand' means a biological com-
12	munity with enough identity by location, topography,
13	or dominant species to be managed as a unit, not to
14	exceed 100 acres.
15	"(I) The term 'clearcutting' means the logging
16	of more than one-half of the commercial trees in a
17	patch larger than a group defined in subparagraph
18	(G) or in a stand of any size in a short period of
19	time.
20	``(J) The term 'evenage management' means
21	the growing of timber so that all trees in a patch or
22	stand are generally within 10 years of the same age.
23	Except for designated leave trees, or clumps of trees
24	comprising less than two-thirds of the patch or
25	stand, the patch or stand is logged, completely in

any acre within a period of 30 years, by clearcutting,
 salvage logging, seed-tree cutting or shelterwood cut ting, two-age management or high grading, or any
 system other than selection management.

5 "(K) The term 'salvage logging' means the fell6 ing or further damaging, within any 30-year period,
7 of more than one-half the volume per acre of dead,
8 damaged, or other trees, or any combination of such
9 trees.

10 "(L) The term 'seed-tree cut' means an evenage
11 logging operation that leaves a small minority of
12 seed trees in a stand for any period of time.

13 "(M) The term 'selection management' means 14 the application of logging and other actions needed 15 to maintain continuous high forest cover where such 16 cover naturally occurs, recurring natural regenera-17 tion of all native species on the site, and the orderly 18 growth and development of trees through a range of 19 diameter or age classes to provide a sustained yield 20 of forest products. Cutting methods that develop and 21 maintain selection stands are individual-tree and 22 group selection. An essential element of selection is 23 improvement of quality by continuously felling trees 24 less likely to contribute to the long-range health of 25 the stand.

"(N) The term 'shelterwood cut' means an
evenaged logging operation that leaves a minority
(larger than in a seed-tree cut) of the stand as a
seed source or protection cover remaining standing
for any period of time.

6 "(O) The term 'timber purposes' shall include
7 the use, sale, lease, or distribution of trees, or the
8 felling of trees or portions of trees except to create
9 land space for a structure or other use.

"(4)(A)(i) The purpose of this paragraph is to foster
the widest possible enforcement of subsection (c)(8) and
this subsection.

13 "(ii) Congress finds that all people of the United
14 States are injured by actions on lands to which subsection
15 (c)(8) and this subsection apply.

"(B) The provisions of subsection (c)(8) and this subsection shall be enforced by the Secretary of the Interior
and the Attorney General of the United States against any
person who violates either of them.

20 "(C)(i) Any citizen harmed by a violation of this Act 21 may enforce any provision of subsection (c)(8) and this 22 subsection by bringing an action for declaratory judgment, 23 temporary restraining order, injunction, civil penalty, and 24 other remedies against any alleged violator including the 25 United States, in any district court of the United States. "(ii) The court, after determining a violation of either
of such subsections, shall impose a penalty of not less than
\$5,000 and not more than \$50,000 per violation, shall
issue one or more injunctions and other equitable relief
and shall award to the plaintiffs reasonable costs of litigation including attorney's fees, witness fees and other
necessary expenses.

8 "(iii) The standard of proof in all actions brought
9 under this subparagraph shall be the preponderance of the
10 evidence and the trial shall be de novo.

11 "(D) The penalty authorized by subparagraph (C)(ii) 12 shall be paid by the violator or violators designated by the 13 court. If that violator is the United States of America or 14 a Federal agency or officer, the penalty shall be paid to 15 the Judgment Fund, as provided by Congress under 16 section 1304 of title 31, United States Code.

17 "(E) The penalty shall be paid from the Judgment 18 Fund within 40 days after judgment to the person or per-19 sons designated to receive it, to be applied in protecting 20 or restoring native biodiversity in or adjoining Federal 21 land. Any award of costs of litigation and any award of 22 attorney fees shall be paid within 40 days after judgment.

23 "(F) The United States, including its agents and em-24 ployees waives its sovereign immunity in all respects in

all actions under subsection (c)(8) and this subsection. No
 notice is required to enforce this subsection.

3 "(5) No roads shall be constructed or reconstructed
4 in any Bureau of Land Management roadless areas
5 inventoried pursuant to this Act.".

6 (c) REPEAL.—Subsection (b) of section 701 of the
7 Federal Land Policy and Management Act of 1976 (43
8 U.S.C. 1701 note) is hereby repealed.

9 SEC. 5. AMENDMENT OF NATIONAL WILDLIFE REFUGE SYS10 TEM ADMINISTRATION ACT OF 1966 RELAT11 ING TO THE NATIONAL WILDLIFE REFUGE
12 SYSTEM.

Section 4 of the National Wildlife Refuge System Administration Act of 1966 (16 U.S.C. 668dd) is amended
by adding at the end the following:

16 "(j) Conservation of Native Biodiversity.—Re-17 gardless of any other provision in this Act, in each stand and each watershed throughout each forested area within 18 19 the System, the Secretary shall provide for the conserva-20 tion or restoration of native biodiversity, except during the 21 extraction stage of authorized mineral development or dur-22 ing authorized construction projects, in which events the 23 Secretary shall conserve native biodiversity to the extent 24 possible.

"(k) RESTRICTION ON USE OF CERTAIN LOGGING
 PRACTICES.—(1) In each stand and watershed throughout
 each forested area, the Secretary shall prohibit any
 evenage logging and any evenage management after the
 date of enactment of this subsection.

6 "(2) On each site already under evenage manage-7 ment, the Secretary shall (A) prescribe a shift to selection 8 management within one year, or (B) cease managing for 9 timber purposes and actively restore the native biodiver-10 sity, or permit each site to regain its native biodiversity.

11 "(3) For the purposes of this subsection:

12 "(A) The term 'native biodiversity' means the 13 full range of variety and variability within and 14 among living organisms and the ecological complexes 15 in which they would have occurred in the absence of 16 significant human impact, and encompasses diversity 17 within a species (genetic diversity), among species 18 (species diversity), within a community of species 19 (within-community diversity), between communities 20 of species (between-communities diversity), within a 21 total area such as a watershed (total area diversity), 22 along a plane from ground to sky (vertical diversity), 23 and along the plane of the earth-surface (horizontal 24 diversity). Vertical and horizontal diversity apply to 25 all the other aspects of diversity.

1 "(B) The terms 'conserve' and 'conservation' 2 refer to protective measures for maintaining existing 3 native biological diversity and active and passive 4 measures for restoring diversity through manage-5 ment efforts, in order to protect, restore, and en-6 hance as much of the variety of species and commu-7 nities as possible in abundances and distributions 8 that provide for their continued existence and nor-9 mal functioning, including the viability of popu-10 lations throughout their natural geographic distribu-11 tions.

12 "(C) The term 'within-community diversity' 13 means the distinctive assemblages of species and ec-14 ological processes that occur in different physical 15 settings of the biosphere and distinct parts of the 16 world.

17 "(D) The term 'genetic diversity' means the dif18 ferences in genetic composition within and among
19 populations of a given species.

"(E) The term 'between-community diversity'
means the distinctive assemblages of communities
and ecological processes that occur in different physical settings of the biosphere and distinct parts of
the world.

"(F) The term 'species diversity' means the
 richness and variety of native species in a particular
 location of the world.

"(G) The term 'group selection' means a form 4 5 of selection management that emphasizes the peri-6 odic removal of trees, including mature, undesirable, 7 and cull trees in small groups, where they occur that 8 way, with a result of (i) creating openings not to ex-9 ceed in width in any direction the height of the tall-10 est tree standing within 10 feet outside the edge of 11 the group cut, and (ii) maintaining different age 12 groups in a given stand. In no event will more than 13 30 percent of the basal area of a stand be felled 14 within 40 years. The foregoing limitation shall not 15 be deemed to establish a 100-year projected felling 16 age as the standard at which individual trees in a 17 stand are to be cut, nor shall native biodiversity be 18 limited to that which occurs within the context of a 19 100-year projected felling age.

"(H) The term 'stand' means a biological community with enough identity by location, topography,
or dominant species to be managed as a unit, not to
exceed 100 acres.

24 "(I) The term 'clearcutting' means the logging25 of more than one-half of the commercial trees in a

patch larger than a group defined in subparagraph
 (G) or in a stand of any size in a short period of
 time.

"(J) The term 'evenage management' means 4 5 the growing of timber so that all trees in a patch or 6 stand are generally within 10 years of the same age. 7 Except for designated leave trees, or clumps of trees 8 comprising less than two-thirds of the patch or 9 stand, the patch or stand is logged, completely in 10 any acre within a period of 30 years, by clearcutting, 11 salvage logging, seed-tree cutting or shelterwood cut-12 ting, two-age management or high grading, or any 13 system other than selection management.

"(K) The term 'salvage logging' means the felling or further damaging, within a 30-year period, of
more than one-half the volume per acre of dead,
damaged, or other trees, or any combination of such
trees.

19 "(L) The term 'seed-tree cut' means an evenage
20 logging operation that leaves a small minority of
21 seed trees in a stand for any period of time.

"(M) The term 'selection management' means
the application of logging and other actions needed
to maintain continuous high forest cover where such
cover naturally occurs, recurring natural regenera-

1 tion of all native species on the site, and the orderly 2 growth and development of trees through a range of diameter or age classes to provide a sustained yield 3 4 of forest products. Cutting methods that develop and 5 maintain selection stands are individual-tree and 6 group selection. An essential element of selection is 7 improvement of quality by continuously felling trees 8 less likely to contribute to the long-range health of 9 the stand.

"(N) The term 'shelterwood cut' means an
evenaged logging operation that leaves a minority
(larger than in a seed-tree cut) of the stand as a
seed source or protection cover remaining standing
for any period of time.

"(O) The term 'timber purposes' shall include
the use, sale, lease, or distribution of trees, or the
felling of trees or portions of trees except to create
land space for a structure or other use.

19 "(4)(A)(i) The purpose of this paragraph is to foster
20 the widest possible enforcement of subsection (j) and this
21 subsection.

"(ii) Congress finds that all people of the UnitedStates are injured by actions on lands to which subsection(j) and this subsection apply.

"(B) The provisions of subsection (j) and this sub section shall be enforced by the Secretary of the Interior
 and the Attorney General of the United States against any
 person who violates either of them.

5 "(C)(i) Any citizen harmed by a violation of this Act
6 may enforce any provision of this subsection by bringing
7 an action for declaratory judgment, temporary restraining
8 order, injunction, civil penalty, and other remedies against
9 any alleged violator including the United States, in any
10 district court of the United States.

"(ii) The court, after determining a violation of either of such subsections, shall impose a penalty of not less than \$5,000 and not more than \$50,000 per violation, shall issue one or more injunctions and other equitable relief and shall award to the plaintiffs reasonable costs of litigation including attorney's fees, witness fees and other necessary expenses.

18 "(iii) The standard of proof in all actions brought19 under this subparagraph shall be the preponderance of the20 evidence and the trial shall be de novo.

"(D) The penalty authorized by subparagraph (C)(ii)
shall be paid by the violator or violators designed by the
court. If that violator is the United States of America or
a Federal agency or officer, the penalty shall be paid to

the Judgment Fund, as provided by Congress under sec tion 1304 of title 31, United States Code.

3 "(E) The penalty should be paid from the Judgment 4 Fund within 40 days after judgment to the person or per-5 sons designated to receive it, to be applied in protecting 6 or restoring native biodiversity in or adjoining Federal 7 land. Any award of costs of litigation and any award of 8 attorney fees shall be paid within 40 days after judgment.

9 "(F) The United States, including its agents and em-10 ployees waives its sovereign immunity in all respects in 11 all actions under subsection (j) and this subsection. No 12 notice is required to enforce this subsection.".

# 13 SEC. 6. AMENDMENT OF NATIONAL INDIAN FOREST RE14 SOURCES MANAGEMENT ACT RELATING TO 15 INDIAN LANDS.

16 Section 305 of the National Indian Forest Resources
17 Management Act (25 U.S.C. 4535) is amended by adding
18 at the end the following new subsections:

19 "(c) CONSERVATION OF NATIVE BIODIVERSITY.—
20 Regardless of any other provision in this Act, in each
21 stand and each watershed throughout each stand that is
22 managed or operated for timber purposes in each forested
23 area on Indian lands except during the extraction stage
24 of authorized mineral development or during authorized

construction projects in which events the Secretary shall
 conserve native biodiversity to the extent possible.

"(d) RESTRICTION ON USE OF CERTAIN LOGGING
PRACTICES.—(1) In each stand and watershed throughout
each forested area, the Secretary shall prohibit any
evenage logging and any evenage management after the
date of enactment of this subsection.

8 "(2) On each site already under evenage manage-9 ment, the Secretary shall (A) prescribe a shift to selection 10 management within one year, or (B) cease managing for 11 timber purposes and actively restore the native biodiver-12 sity, or permit each site to regain its native biodiversity. 13 "(3) For the purposes of this section:

"(A) The term 'native biodiversity' means the 14 15 full range of variety and variability within and 16 among living organisms and the ecological complexes 17 in which they would have occurred in the absence of 18 significant human impact, and encompasses diversity 19 within a species (genetic diversity), among species 20 (species diversity), within a community of species 21 (within-community diversity), between communities 22 of species (between-communities diversity), within a 23 total area such as a watershed (total area diversity), 24 along a plane from ground to sky (vertical diversity), 25 and along the plane of the earth-surface (horizontal

diversity). Vertical and horizontal diversity apply to
 all the other aspects of diversity.

3 "(B) The terms 'conserve' and 'conservation' 4 refer to protective measures for maintaining existing 5 native biological diversity and active and passive measures for restoring diversity through manage-6 7 ment efforts, in order to protect, restore, and en-8 hance as much of the variety of species and commu-9 nities as possible in abundances and distributions 10 that provide for their continued existence and nor-11 mal functioning, including the viability of popu-12 lations throughout their natural geographic distribu-13 tions.

"(C) The term 'within-community diversity'
means the distinctive assemblages of species and ecological processes that occur in different physical
settings of the biosphere and distinct parts of the
world.

19 "(D) The term 'genetic diversity' means the dif20 ferences in genetic composition within and among
21 populations of a given species.

"(E) The term 'between-community diversity'
means the distinctive assemblages of communities
and ecological processes that occur in different phys-

ical settings of the biosphere and distinct parts of
 the world.

3 "(F) The term 'species diversity' means the
4 richness and variety of native species in a particular
5 location of the world.

6 "(G) The term 'group selection' means a form 7 of selection management that emphasizes the peri-8 odic removal of trees, including mature, undesirable, 9 and cull trees in small groups, where they occur that 10 way, with a result of (i) creating openings not to ex-11 ceed in width in any direction the height of the tall-12 est tree standing within 10 feet outside the edge of 13 the group cut, and (ii) maintaining different age 14 groups in a given stand. In no event will more than 15 30 percent of the basal area of a stand be felled 16 within 40 years. The foregoing limitation shall not 17 be deemed to establish a 100-year projected felling 18 age as the standard at which individual trees in a 19 stand are to be cut, nor shall native biodiversity be 20 limited to that which occurs within the context of a 21 100-year projected felling age.

"(H) The term 'stand' means a biological community with enough identity by location, topography,
or dominant species to be managed as a unit, not to
exceed 100 acres.

"(I) The term 'clearcutting' means the logging
of more than one-half of the commercial trees in a
patch larger than a group defined in subparagraph
(G) or in a stand of any size in a short period of
time.

6 "(J) The term 'evenage management' means 7 the growing of timber so that all trees in a patch or 8 stand are generally within 10 years of the same age. 9 Except for designated leave trees, or clumps of trees 10 comprising less than two-thirds of the patch or 11 stand, the patch or stand is logged, completely in 12 any acre within a period of 30 years, by clearcutting, salvage logging, seed-tree cutting or shelterwood cut-13 14 ting, two-age management or high grading, or any 15 system other than selection management.

"(K) The term 'salvage logging' means the felling or further damaging, within any 30-year period,
of more than one-half the volume per acre of dead,
damaged, or other trees, or any combination of such
trees.

21 "(L) The term 'seed-tree cut' means an evenage
22 logging operation that leaves a small minority of
23 seed trees in a stand for any period of time.

24 "(M) The term 'selection management' means25 the application of logging and other actions needed

1 to maintain continuous high forest cover where such 2 cover naturally occurs, recurring natural regenera-3 tion of all native species on the site, and the orderly 4 growth and development of trees through a range of 5 diameter or age classes to provide a sustained yield 6 of forest products. Cutting methods that develop and 7 maintain selection stands are individual-tree and 8 group selection. An essential element of selection is 9 improvement of quality by continuously felling trees 10 less likely to contribute to the long-range health of 11 the stand.

12 "(N) The term 'shelterwood cut' means an 13 evenaged logging operation that leaves a minority 14 (larger than in a seed-tree cut) of the stand as a 15 seed source or protection cover remaining standing 16 for any period of time.

"(O) The term 'timber purposes' shall include
the use, sale, lease, or distribution of trees, or the
felling of trees or portions of trees except to create
land space for a structure or other use.

21 "(4)(A)(i) The purpose of this paragraph is to foster
22 the widest possible enforcement of subsection (c) and this
23 subsection.

"(ii) Congress finds that all people of the United
 States are injured by actions on lands to which subsection
 (c) and this subsection apply.

4 "(B) The provisions of subsection (c) and this sub5 section shall be enforced by the Secretary of the Interior
6 and the Attorney General of the United States against any
7 person who violates either of them.

8 "(C)(i) Any citizen harmed by a violation of this Act 9 may enforce any provision of subsection (c) and this sub-10 section by bringing an action for declaratory judgment, 11 temporary restraining order, injunction, civil penalty, and 12 other remedies against any alleged violator including the 13 United States, in any district court of the United States.

14 "(ii) The court, after determining a violation of either 15 of such subsections shall impose a penalty of not less than 16 \$5,000 and not more than \$50,000 per violation, shall 17 issue one or more injunctions and other equitable relief 18 and shall award to the plaintiffs reasonable costs of litiga-19 tion including attorney's fees, witness fees and other nec-20 essary expenses.

"(iii) The standard of proof in all actions brought
under this subparagraph shall be the preponderance of the
evidence and the trial shall be de novo.

24 "(D) The penalty authorized by subparagraph (C)(ii)25 shall be paid by the violator or violators designated by the

court. If that violator is the United States of America or
 a Federal agency or officer, the penalty shall be paid to
 the Judgment Fund, as provided by Congress under sec tion 1304 of title 31, United States Code.

5 "(E) The penalty should be paid from the Judgment 6 Fund within 40 days after judgment to the person or per-7 sons designated to receive it, to be applied in protecting 8 or restoring native biodiversity in or adjoining Federal 9 land. Any award of costs of litigation and any award of 10 attorney fees shall be paid within 40 days after judgment.

11 "(F) The United States, including its agents and em-12 ployees waives its sovereign immunity in all respects in 13 all actions under subsection (c) and this subsection. No 14 notice is required to enforce this subsection.".

## 15 SEC. 7. AMENDMENT OF TITLE 10, UNITED STATES CODE, 16 RELATING TO FOREST MANAGEMENT ON 17 MILITARY LANDS.

(a) IN GENERAL.—Chapter 159 of title 10, United
States Code, is amended by adding at the end the following new section:

## 21 "§ 2695. Conservation of native biodiversity

"(a) CONSERVATION OF NATIVE BIODIVERSITY.—
Regardless of any other provision in this Act, in each
stand and each watershed throughout each forested area
on a military installation or projects administered by the

Army Corps of Engineers, the Secretary concerned shall
 provide for the conservation or restoration of native bio diversity, except during authorized construction projects
 in which events the Secretary shall conserve native bio diversity to the extent possible.

6 "(b) RESTRICTION ON USE OF CERTAIN LOGGING
7 PRACTICES.—(1) In each stand and watershed throughout
8 each forested area, the Secretary shall prohibit any
9 evenage logging and any evenage management after the
10 date of enactment of this subsection.

11 "(2) On each site already under evenage manage-12 ment, the Secretary shall (A) prescribe a shift to selection 13 management within one year, or (B) cease managing for 14 timber purposes and actively restore the native biodiver-15 sity, or permit each site to regain its native biodiversity. 16 "(3) In this section:

17 "(A) The term 'native biodiversity' means the 18 full range of variety and variability within and 19 among living organisms and the ecological complexes 20 in which they would have occurred in the absence of 21 significant human impact, and encompasses diversity 22 within a species (genetic diversity), among species 23 (species diversity), within a community of species 24 (within-community diversity), between communities 25 of species (between-communities diversity), within a

total area such as a watershed (total area diversity),
 along a plane from ground to sky (vertical diversity),
 and along the plane of the earth-surface (horizontal diversity). Vertical and horizontal diversity apply to
 all the other aspects of diversity.

"(B) The terms 'conserve' and 'conservation' 6 7 refer to protective measures for maintaining existing native biological diversity and active and passive 8 9 measures for restoring diversity through manage-10 ment efforts, in order to protect, restore, and en-11 hance as much of the variety of species and commu-12 nities as possible in abundances and distributions 13 that provide for their continued existence and nor-14 mal functioning, including the viability of popu-15 lations throughout their natural geographic distributions. 16

17 "(C) The term 'within-community diversity'
18 means the distinctive assemblages of species and ec19 ological processes that occur in different physical
20 settings of the biosphere and distinct parts of the
21 world.

"(D) The term 'genetic diversity' means the differences in genetic composition within and among
populations of a given species.

1	"(E) The term 'between-community diversity'
2	means the distinctive assemblages of communities
3	and ecological processes that occur in different phys-
4	ical settings of the biosphere and distinct parts of
5	the world.
6	"(F) The term 'species diversity' means the

richness and variety of native species in a particular
location of the world.

9 "(G) The term 'group selection' means a form 10 of selection management that emphasizes the peri-11 odic removal of trees, including mature, undesirable, 12 and cull trees in small groups, where they occur that 13 way, with a result of (i) creating openings not to ex-14 ceed in width in any direction the height of the tall-15 est tree standing within 10 feet outside the edge of 16 the group cut, and (ii) maintaining different age 17 groups in a given stand. In no event will more than 18 30 percent of the basal area of a stand be felled 19 within 40 years. The foregoing limitation shall not 20 be deemed to establish a 100-year projected felling 21 age as the standard at which individual trees in a 22 stand are to be cut, nor shall native biodiversity be 23 limited to that which occurs within the context of a 24 100-year projected felling age.

"(H) The term 'stand' means a biological com munity with enough identity by location, topography,
 or dominant species to be managed as a unit, not to
 exceed 100 acres.

5 "(I) The term 'clearcutting' means the logging 6 of more than one-half of the commercial trees in a 7 patch larger than a group defined in subparagraph 8 (G) or in a stand of any size in a short period of 9 time.

"(J) The term 'evenage management' means 10 11 the growing of timber so that all trees in a patch or 12 stand are generally within 10 years of the same age. 13 Except for designated leave trees, or clumps of trees 14 comprising less than two-thirds of the patch or 15 stand, the patch or stand is logged, completely in 16 any acre within a period of 30 years, by clearcutting, 17 salvage logging, seed-tree cutting or shelterwood cut-18 ting, two-age management or high grading, or any 19 system other than selection management.

"(K) The term 'salvage logging' means the felling or further damaging, within any 30-year period,
of more than one-half the volume per acre of dead,
damaged, or other trees, or any combination of such
trees.

"(L) The term 'seed-tree cut' means an evenage 2 logging operation that leaves a small minority of seed trees in a stand for any period of time. 3

"(M) The term 'selection management' means 4 5 the application of logging and other actions needed 6 to maintain continuous high forest cover where such 7 cover naturally occurs, recurring natural regenera-8 tion of all native species on the site, and the orderly 9 growth and development of trees through a range of 10 diameter or age classes to provide a sustained yield 11 of forest products. Cutting methods that develop and 12 maintain selection stands are individual-tree and 13 group selection. An essential element of selection is 14 improvement of quality by continuously felling trees 15 less likely to contribute to the long-range health of 16 the stand.

17 "(N) The term 'shelterwood cut' means an 18 evenaged logging operation that leaves a minority 19 (larger than in a seed-tree cut) of the stand as a 20 seed source or protection cover remaining standing 21 for any period of time.

22 "(O) The term 'timber purposes' shall include 23 the use, sale, lease, or distribution of trees, or the 24 felling of trees or portions of trees except to create 25 land space for a structure or other use.

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"(4)(A)(i) The purpose of this paragraph is to foster
 the widest possible enforcement of this section.

3 "(ii) Congress finds that all people of the United
4 States are injured by actions on lands to which this section
5 applies.

6 "(B) The provisions of this section shall be enforced
7 by the Secretary of Defense and the Attorney General of
8 the United States against any person who violates this sec9 tion.

10 "(C)(i) Any citizen harmed by a violation of this Act 11 may enforce any provision of this section by bringing an 12 action for declaratory judgment, temporary restraining 13 order, injunction, civil penalty, and other remedies against 14 any alleged violator including the United States, in any 15 district court of the United States.

16 "(ii) The court, after determining a violation of this 17 section, shall impose a penalty of not less than \$5,000 and 18 not more than \$50,000 per violation, shall issue one or 19 more injunctions and other equitable relief and shall 20 award to the plaintiffs reasonable costs of litigation in-21 cluding attorney's fees, witness fees and other necessary 22 expenses.

"(iii) The standard of proof in all actions brought
under this subparagraph shall be the preponderance of the
evidence and the trial shall be de novo.

"(D) The penalty authorized by subparagraph (C)(ii)
 shall be paid by the violator or violators designated by the
 court. If that violator is the United States of America or
 a Federal agency or officer, the penalty shall be paid to
 the Judgment Fund, as provided by Congress under sec tion 1304 of title 31, United States Code.

7 "(E) The penalty should be paid from the Judgment
8 Fund within 40 days after judgment to the person or per9 sons designated to receive it, to be applied in protecting
10 or restoring native biodiversity in or adjoining Federal
11 land. Any award of costs of litigation and any award of
12 attorney fees shall be paid within 40 days after judgment.

13 "(F) The United States, including its agents and em-14 ployees waives its sovereign immunity in all respects in 15 all actions under this section. No notice is required to en-16 force this section.".

17 (b) CONFORMING AMENDMENT.—The table of sec18 tions for chapter 159 of title 10, United States Code, is
19 amended by adding at the end the following new item:
"2695. Conservation of native biodiversity.".

### 20 SEC. 8. EFFECTIVE DATE.

(a) IN GENERAL.—The amendments made by this
Act shall not apply with respect to any contract to sell
timber which was awarded on or before the date of enactment of this Act.

(b) APPLICATION TO EMERGENCY SALVAGE TIMBER
 SALE PROGRAM.—The amendments made by this Act
 shall apply with respect to any timber salvage sale under
 section 2001 of Public Law 104–19 (109 Stat. 240) which
 has not been awarded as of the date of the enactment of
 this Act, notwithstanding any provision of that section
 2001.

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