A BILL FOR AN ACT

RELATING TO COASTAL ZONE MANAGEMENT.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1	SECT	TON T	. Section 205A-2, Hawaii Revised Statutes, is
2	amended t	o rea	d as follows:
3	"§20	5A-2	Coastal zone management program; objectives and
4	policies.	(a)	The objectives and policies in this section
5	shall app	ly to	all parts of this chapter.
6	(b)	Obje	ctives.
7	(1)	Recr	eational resources;
8		(A)	Provide coastal recreational opportunities
9			accessible to the public.
10	(2)	Hist	oric resources;
11		(A)	Protect, preserve, and, where desirable, restore
12			those natural and manmade historic and
13			prehistoric resources in the coastal zone
14			management area that are significant in Hawaiian
15			and American history and culture.
16	(3)	Scen	ic and open space resources;

1		(A)	Protect, preserve, and, where desirable, restore
2			or improve the quality of coastal scenic and oper
3			space resources.
4	(4)	Coas	tal ecosystems;
5		(A)	Protect valuable coastal ecosystems, including
6			reefs, from disruption and minimize adverse
7			impacts on all coastal ecosystems.
8	(5)	Econ	omic uses;
9		(A)	Provide public or private facilities and
10			improvements important to the State's economy in
11			suitable locations.
12	(6)	Coas	tal hazards;
13		(A)	Reduce hazard to life and property from coastal
14			hazards including but not limited to, tsunami,
15			hurricanes, wind, storm waves, [stream] flooding,
16			erosion, sea-level rise, subsidence, and
17			pollution.
18	(7)	Mana	ging development;
19		(A)	Improve the development review process,
20			communication, and public participation in the
21			management and planning of coastal resources and
22			hazards.

<u>H</u>.B. NO. 1391

1	(8)	Publ	ic participation;
2		(A)	Stimulate public awareness, education, and
3			participation in coastal management.
4	(9)	Beac	h protection;
5		(A)	Protect beaches and coastal dunes for public use
6			and recreation[-], and as natural barriers to
7			coastal hazards.
8	(10)	Mari	ne resources;
9		(A)	Promote the protection, use, and development of
10			marine and coastal resources to assure their
11			sustainability.
12	(c)	Poli	cies.
13	(1)	Recr	eational resources;
14		(A)	Improve coordination and funding of coastal
15			recreational planning and management; and
16		(B)	Provide adequate, accessible, and diverse
17			recreational opportunities in the coastal zone
18			management area by:
19			(i) Protecting coastal resources uniquely suited
20			for recreational activities that cannot be
21			provided in other areas;

1	(ii)	Requiring <u>repair or</u> replacement of coastal
2		resources having significant recreational
3		value including, but not limited to, coral
4		reefs, surfing sites, fishponds, and sand
5		beaches, when such resources will be
6		unavoidably damaged by development; or
7		requiring reasonable monetary compensation
8		to the State for recreation when repair or
9		replacement is not feasible or desirable;
10	(iii)	Providing and managing adequate public
11		access, consistent with conservation of
12		natural resources, to and along shorelines
13		with recreational value;
14	(iv)	Providing an adequate supply of shoreline
15		parks and other recreational facilities
16		suitable for public recreation;
17	(v)	Ensuring public recreational uses of county,
18		state, and federally owned or controlled
19		shoreline lands and waters having
20		recreational value consistent with public
21		safety standards and conservation of natural
22		resources;

1		(vi)	Adopting water quality standards and
2			regulating point and nonpoint sources of
3			pollution to protect, and where feasible,
4			restore the recreational value of coastal
5			waters;
6		(vii)	Developing new shoreline recreational
7			opportunities, where appropriate, such as
8			artificial lagoons, artificial beaches, and
9			artificial reefs for surfing and fishing;
10			and
11		(viii)	Encouraging reasonable dedication of
12			shoreline areas with recreational value for
13			public use as part of discretionary
14			approvals or permits by the land use
15			commission, board of land and natural
16			resources, and county authorities; and
17			crediting such dedication against the
18			requirements of section 46-6.
19	(2)	Historic	resources;
20		(A) Ider	ntify and analyze significant archaeological
21		resc	ources;

1		(B)	Maximize information retention through
2			preservation of remains and artifacts or salvage
3			operations; and
4		(C)	Support state goals for protection, restoration,
5			interpretation, and display of historic
6			resources.
7	(3)	Scen	ic and open space resources;
8		(A)	Identify valued scenic resources in the coastal
9			zone management area;
10		(B)	Ensure that new developments are compatible with
11			their visual environment by designing and
12			locating such developments to minimize the
13			alteration of natural landforms and existing
14			public views to and along the shoreline;
15		(C)	Preserve, maintain, and, where desirable, improve
16			and restore shoreline open space and scenic
17			resources; and
18		(D)	Encourage those developments that are not coastal
19			dependent to locate in inland areas.
20	(4)	Coas	stal ecosystems;

1		(A)	Exercise an overall conservation ethic, and
2			practice stewardship in the protection, use, and
3			development of marine and coastal resources;
4		(B)	Improve the technical basis for natural resource
5			management;
6		(C)	Preserve valuable coastal ecosystems, including
7			reefs, of significant biological or economic
8			importance;
9		(D)	Minimize disruption or degradation of coastal
10			water ecosystems by effective regulation of
11			stream diversions, channelization, and similar
12			land and water uses, recognizing competing water
13			needs; and
14		(E)	Promote water quantity and quality planning and
15			management practices that reflect the tolerance
16			of fresh water and marine ecosystems and maintain
17			and enhance water quality through the development
18			and implementation of point and nonpoint source
19			water pollution control measures.
20	(5)	Econ	nomic uses;
21		(A)	Concentrate coastal dependent development in
22			appropriate areas;

1		(B)	Ensu	re that coastal dependent development such as
2			harb	ors and ports, and coastal related
3			deve	lopment such as visitor industry facilities
4			and	energy generating facilities, are located,
5			desi	gned, and constructed to minimize adverse
6			soci	al, visual, and environmental impacts in the
7			coas	tal zone management area; and
8		(C)	Dire	ct the location and expansion of coastal
9			depe	ndent developments to areas presently
10			desi	gnated and used for such developments and
11			perm	it reasonable long-term growth at such areas,
12			and	permit coastal dependent development outside
13			of p	resently designated areas when:
14			(i)	Use of presently designated locations is not
15				feasible;
16			(ii)	Adverse environmental effects are minimized;
17				and
18		(iii)	The development is important to the State's
19				economy.
20	(6)	Coas	tal h	azards;
21		(A)	Deve	lop and communicate adequate information
22			abou	t [storm wave,] tsunami, [flood,] <u>hurricanes,</u>

1			wind, storm waves, flooding, erosion, sea-level
2			rise, subsidence, and point and nonpoint source
3			pollution hazards;
4		(B)	[Control] Engage in early planning and control
5			development in areas subject to [storm wave,]
6			tsunami, [flood,] hurricanes, wind, storm waves,
7			flooding, erosion, sea-level rise, subsidence,
8			and point and nonpoint source pollution hazards;
9		(C)	Ensure that developments comply with requirements
10			of the [Federal] National Flood Insurance
11			Program; and
12		(D)	Prevent coastal flooding from inland projects.
13	(7)	Mana	ging development;
14		(A)	Use, implement, and enforce existing law
15			effectively to the maximum extent possible in
16			managing and planning for present and future
17			coastal zone development;
18		(B)	Facilitate timely processing of applications for
19			development permits and resolve overlapping or
20			conflicting permit requirements; and
21		(C)	Communicate the potential short and long-term
22			impacts of proposed significant coastal

1			developments early in their life cycle and in
2			terms understandable to the public to facilitate
3			public participation in the planning and review
4			process.
5	(8)	Publ	ic participation;
6		(A)	Promote public involvement in coastal zone
7			management processes;
8		(B)	Disseminate information on coastal management
9			issues by means of educational materials,
10			published reports, staff contact, and public
11			workshops for persons and organizations concerned
12			with coastal issues, developments, and government
13			activities; and
14		(C)	Organize workshops, policy dialogues, and site-
15			specific mediations to respond to coastal issues
16			and conflicts.
17	(9)	Beac	h protection;
18		(A)	Locate new structures inland from the shoreline
19			setback to conserve open space, minimize
20			interference with natural shoreline processes,
21			and minimize loss of improvements due to erosion;

1		(B)	Prohibit construction of private erosion-
2			protection structures seaward of the shoreline,
3			except when they result in improved aesthetic and
4			engineering solutions to erosion at the sites and
5			do not interfere with existing recreational and
6			waterline activities; and
7		(C)	Minimize the construction of public erosion-
8			protection structures seaward of the shoreline.
9	(10)	Mari	ne resources;
10		(A)	Ensure that the use and development of marine and
11			coastal resources are ecologically and
12			environmentally sound and economically
13			beneficial;
14		(B)	Coordinate the management of marine and coastal
15			resources and activities to improve effectiveness
16			and efficiency;
17		(C)	Assert and articulate the interests of the State
18			as a partner with federal agencies in the sound
19			management of ocean resources within the United
20			States exclusive economic zone;
21		(D)	Promote research, study, and understanding of
22			ocean processes, marine life, and other ocean

1	resources in order to acquire and inventory
2	information necessary to understand how ocean
3	development activities relate to and impact upon
4	ocean and coastal resources; and
5	(E) Encourage research and development of new,
6	innovative technologies for exploring, using, or
7	protecting marine and coastal resources."
8	SECTION 2. Section 205A-22, Hawaii Revised Statutes, is
9	amended by amending the definitions of "department,"
10	"development," "special management area emergency permit," and
11	"structure," to read as follows:
12	""Department" means the planning department in the counties
13	of Kauai, Maui, and Hawaii, and the department of [land
14	utilization] planning and permitting in the city and county of
15	Honolulu, or other appropriate agency as designated by the
16	county councils.
17	"Development" means any of the uses, activities, or
18	operations on land or in or under water within a special
19	management area that are included below:
20	(1) Placement or erection of any solid material or any
21	gaseous, liquid, solid, or thermal waste;

1	(2)	Grading, removing, dredging, mining, or extraction of
2		any materials;
3	(3)	Change in the density or intensity of use of land,
4		including but not limited to the division or
5		subdivision of land;
6	(4)	Change in the intensity of use of water, ecology
7		related thereto, or of access thereto; and
8	(5)	Construction, reconstruction, [demolition,] or
9		alteration of the size, shape, footprint, or area of
10		any structure.
11	"Dev	elopment" does not include the following:
12	(1)	Construction of a single-family residence that is not
13		part of a larger development;
14	(2)	Repair or maintenance of roads and highways within
15		existing rights-of-way;
16	(3)	Routine maintenance dredging of existing streams,
17		channels, and drainage ways;
18	(4)	Repair and maintenance of underground utility lines,
19		including but not limited to water, sewer, power, and
20		telephone and minor appurtenant structures such as page
01		mounted transformers and sewer numn stations.

1	(5)	Zoning variances, except for height, density, parking,
2		and shoreline setback;
3	(6)	Repair, maintenance, or interior alterations to
4		existing structures;
5	(7)	Demolition or removal of structures, except those
6		structures located on any historic site as designated
7		in national or state registers;
8	(8)	Use of any land for the purpose of cultivating,
9		planting, growing, and harvesting plants, crops,
10		trees, and other agricultural, horticultural, or
11		forestry products or animal husbandry, or aquaculture
12		or mariculture of plants or animals, or other
13		agricultural purposes;
14	(9)	Transfer of title to land;
15	(10) Creation or termination of easements, covenants,	
16		other rights in structures or land;
17	(11)	Subdivision of land into lots greater than twenty
18		acres in size;
19	(12)	Subdivision of a parcel of land into four or fewer
20		parcels when no associated construction activities are
21		proposed; provided that any land which is so
22		subdivided shall not thereafter qualify for this

1		exception with respect to any subsequent subdivision		
2		of any of the resulting parcels;		
3	(13)	Installation of underground utility lines and		
4		appurtenant aboveground fixtures less than four feet		
5		in height along existing corridors;		
6	(14)	Structural and nonstructural improvements to existing		
7		single-family residences, where otherwise permissible;		
8	(15)	Nonstructural improvements to existing commercial		
9		structures; and		
10	(16)	Construction, installation, maintenance, repair, and		
11		replacement of civil defense warning or signal devices		
12		and sirens;		
13	provided	that whenever the authority finds that any excluded		
14	use, acti	vity, or operation may have a cumulative impact, or a		
15	significant environmental or ecological effect on a special			
16	management area, that use, activity, or operation shall be			
17	defined a	s "development" for the purpose of this part.		
18	"Spe	cial management area emergency permit" means an action		
19	by the au	thority authorizing development in cases of emergency		
20	requiring	immediate action to prevent substantial physical harm		
21	to persons or property or to allow the reconstruction of			
22	structure	s damaged by natural hazards to their original form;		

- 1 provided that such structures were previously found to be <u>legal</u>
- 2 and in compliance with requirements of the [Federal] National
- 3 Flood Insurance Program.
- 4 "Structure" includes but is not limited to any building,
- 5 road, pipe, flume, conduit, siphon, aqueduct, telephone line,
- 6 [and] electrical power transmission and distribution line[-],
- 7 wall, revetment, and groin."
- 8 SECTION 3. Section 205A-26, Hawaii Revised Statutes, is
- 9 amended to read as follows:
- 10 "\$205A-26 Special management area guidelines. In
- 11 implementing this part, the authority shall adopt the following
- 12 guidelines for the review of developments proposed in the
- 13 special management area:
- (1) All development in the special management area shall
- be subject to reasonable terms and conditions set by
- the authority in order to ensure:
- 17 (A) Adequate public access, by dedication or other
- means, to and along the publicly owned or used
- beaches, recreation areas, and natural reserves
- is provided to the extent consistent with sound
- 21 conservation principles;

22

H.B. NO. 1391

1		(B)	Adequate and properly located public recreation
2			areas and wildlife preserves are reserved;
3		(C)	Provisions are made for solid and liquid waste
4			treatment, disposition, and management which will
5			minimize adverse effects upon special management
6			area resources; and
7		(D)	Alterations to existing land forms and
8			vegetation, except crops, and construction of
9			structures shall cause minimum adverse effect to
10			water resources and scenic and recreational
11			amenities and minimum danger of floods, wind
12			damage, wave damage, storm surge, landslides,
13			erosion, <u>sea-level rise</u> , siltation, or failure in
14			the event of earthquake.
15	(2)	No d	evelopment shall be approved unless the authority
16		has	first found:
17		(A)	That the development will not have any
18			[substantial] significant adverse environmental
19			or ecological effect, except as such adverse
20			effect is minimized to the extent practicable and
21			clearly outweighed by public health, safety, or

compelling public interests. Such adverse

#.B. NO. 1391

1			effects shall include, but not be limited to, the
2			potential cumulative impact of individual
3			developments, each one of which taken in itself
4			might not have a substantial adverse effect, and
5			the elimination of planning options;
6		(B)	That the development is consistent with the
7			objectives, policies, and special management area
8			guidelines of this chapter and any guidelines
9			enacted by the legislature; [and]
10		(C)	That the development is consistent with the
11			county general plan and zoning. Such a finding
12			of consistency does not preclude concurrent
13			processing where a general plan or zoning
14			amendment may also be required[-]; and
15		<u>(D)</u>	That the development has been adequately planned
16			to minimize the risk from coastal hazards such as
17			tsunamis, hurricanes, wind, storm waves,
18			flooding, erosion, and sea-level rise.
19	(3)	The	authority shall seek to minimize, where
20		reas	onable:

21

H.B. NO. 139

1 (7	<i>A</i>)	Dredging, filling, or otherwise altering any bay,
2	•	estuary, salt marsh, river mouth, slough, or
3		lagoon;
4 (E	3) 2	Any development which would reduce the size of
5	•	any beach or other area usable for public
6		recreation;
7 (0	C) 2	Any development which would reduce or impose
8	:	restrictions upon public access to tidal and
9	i	submerged lands, beaches, portions of rivers and
10	;	streams within the special management areas, and
11		the mean high tide line where there is no beach;
12 (1) <i>i</i>	Any development which would substantially
13		interfere with or detract from the line of sight
14		toward the sea from the state highway nearest the
15	•	coast; and
1 6 (E	Ξ)	Any development which would adversely affect
17	,	water quality, existing areas of open water free
18	,	of visible structures, existing and potential
19		fisheries and fishing grounds, wildlife habitats,
20	,	or potential or existing agricultural uses of

land."

#.B. NO. 1391

- 1 SECTION 4. Section 205A-41, Hawaii Revised Statutes, is
- 2 amended by adding the definition of "department" to read as
- 3 follows:
- 4 ""Department" means the planning department in the counties
- 5 of Kauai, Maui, and Hawaii, and the department of planning and
- 6 permitting in the city and county of Honolulu, or other
- 7 appropriate agency as designated by the county councils."
- 8 SECTION 5. Section 205A-43, Hawaii Revised Statutes, is
- 9 amended to read as follows:
- "(a) [Setbacks along shorelines are established of not
- 11 less than twenty feet and not more than forty feet inland from
- 12 the shoreline.] The shoreline setback line shall be established
- 13 using a method including but not limited to an average annual
- 14 shoreline erosion rate and shall not be less than twenty feet
- 15 from the shoreline. The department shall adopt rules pursuant
- 16 to chapter 91, prescribing procedures for determining the
- 17 shoreline setback line, and shall enforce the shoreline setbacks
- 18 and rules pertaining thereto.
- 19 (b) The powers and duties of the department shall include,
- 20 but not be limited to [÷

#.B. NO. 1391

(1) The department shall adopt rules under chapter 91 1 prescribing procedures for determining the shoreline setback 2 line; and 3 (2) The department shall review] reviewing the plans of all applicants who propose any structure, activity, or facility 5 that would be prohibited without a variance pursuant to this 6 part. The department may require that the plans be supplemented 7 by accurately mapped data and photographs showing natural 8 conditions and topography relating to all existing and proposed 9 structures and activities." 10 SECTION 6. Section 205A-43.5, Hawaii Revised Statutes, is 11 amended by amending subsection (a) to read as follows: 12 "(a) Prior to action on a variance application, the 13 authority shall hold a public hearing under chapter 91. By 14 adoption of rules under chapter 91, the authority may delegate 15 responsibility to the department. Public and private notice, 16 including reasonable notice to abutting property owners and 17 persons who have requested this notice, shall be provided, but a 18 public hearing may be waived prior to action on a variance 19 application for: 20 (1) Stabilization of shoreline erosion by the moving of 21 22 sand entirely on public lands;

₩.B. NO. <u>1391</u>

1	(2)	Protection of a legal structure costing more than
2		[\$20,000;] $$50,000;$ provided the structure is at risk
3		of immediate damage from shoreline erosion;
4	[(3)	Other structures or activities; provided that no
5		person or agency has requested a public hearing within
6		twenty-five calendar days after public notice of the
7		application; or]
8	(3)	Temporary emergency protection of a legal inhabited
9		dwelling; provided the structure is at risk of
10		immediate damage from shoreline erosion or other
11		coastal hazard; or
12	(4)	Maintenance, repair, reconstruction, and minor
13		additions or alterations of legal boating, maritime,
14		or watersports recreational facilities, which result
15		in little or no interference with natural shoreline
16		processes."
17	SECT	ION 7. Section 205A-45, Hawaii Revised Statutes, is
18	amended t	o read as follows:
19	"§20	5A-45 Shoreline setback lines established by county.
20	(a)	The several counties through rules adopted pursuant to
21	chapter 9	1 or ordinance may require that shoreline setback lines



- 1 be established at distances greater than that established in
- 2 this part.
- 3 (b) The several counties through rules adopted pursuant to
- 4 chapter 91 or ordinance may expand the shoreline area to include
- 5 the area between mean sea level and the shoreline.
- 6 (c) The several counties, through rules adopted pursuant
- 7 to chapter 91, or ordinance, or under existing authority, shall
- 8 use the shoreline setback as a tool to minimize the damage from
- 9 coastal hazards including but not limited to, tsunamis,
- 10 hurricanes, wind, storm waves, flooding, erosion, sea-level
- 11 rise, subsidence, and pollution. The setback shall consider the
- 12 average annual erosion rate. Measures such as early planning,
- 13 variances for innovative design, and minimum buildable areas
- 14 shall be considered.
- 15 (d) The several counties, through rules adopted pursuant
- 16 to chapter 91, or ordinance, or under existing authority, shall
- 17 ensure that any parcels created after the subdivision of an
- 18 original parcel are sufficiently large to accommodate a
- 19 shoreline setback based on average annual erosion rate."
- SECTION 8. Section 205A-46, Hawaii Revised Statutes, is
- 21 amended to read as follows:

"\$205A-46 Variances. (a) A variance may be granted for a 1 structure or activity otherwise prohibited in this part if the 2 authority finds in writing, based on the record presented, that 3 the proposed structure or activity is necessary for or ancillary 4 5 to: Cultivation of crops; 6 (1)(2) Aquaculture; 7 (3) Landscaping; provided that the authority finds that 8 the proposed structure or activity will not adversely 9 affect beach processes and will not artificially fix 10 the shoreline; 11 Drainage; 12 (4)13 (5)Boating, maritime, or watersports recreational facilities; 14 Facilities or improvements by public agencies or (6) 15 public utilities regulated under chapter 269; 16 Private facilities or improvements that are clearly in **17** (7)the public interest; 18 (8) Private facilities or improvements [which will neither 19 adversely affect beach processes nor artificially fix 20 the shoreline]; provided that the authority also finds 21 22 that hardship will result to the applicant if the

1		facilities or improvements are not allowed within the
2		shoreline area; or
3	[(9)	Private facilities or improvements that may
4		artificially fix the shoreline; provided that the
5		authority also finds that shoreline erosion is likely
6		to cause hardship to the applicant if the facilities
7		or improvements are not allowed within the shoreline
8		area, and the authority imposes conditions to prohibit
9		any structure seaward of the existing shoreline unless
10		it is clearly in the public interest; or]
11	(10)]	(9) Moving of sand from one location seaward of the
12		shoreline to another location seaward of the
13		shoreline[+] within adjacent areas; provided that the
14		authority also finds that moving of sand [will not
15		adversely affect beach processes, will not diminish
16		the size of a public beach $[au]$ and will be necessary to
17		stabilize an eroding shoreline.
18	<u>(b)</u>	A variance may be granted for private facilities or
19	improveme	nts that may artificially fix the shoreline; provided
20	that the	authority also finds that shoreline erosion is likely
21	to cause	hardship to the applicant if the facilities or
22	improveme	nts are not allowed within the shoreline area, and the

- authority imposes conditions to prohibit any structure seaward

 of the existing shoreline unless it is clearly in the public

 interest.
- 4 [(b)] <u>(c)</u> Hardship shall be defined in rules adopted by the
- 5 authority under chapter 91. Hardship shall not be determined as
- 6 a result of county zoning changes, planned development permits,
- 7 cluster permits, or subdivision approvals after June 16, 1989,
- 8 or as a result of any other permit or approval listed in rules
- 9 adopted by the authority.
- 10 [(c)] (d) No variance shall be granted unless appropriate

 11 conditions are imposed:
- 12 (1) To maintain safe lateral access to and along the shoreline or adequately compensate for its loss;
- 14 (2) To minimize risk of adverse impacts on beach
 15 processes;
- 16 (3) To minimize risk of structures failing and becoming
 17 loose rocks or rubble on public property; [and]
- 18 (4) To minimize adverse impacts on public views to, from,
 19 and along the shoreline."
- 20 SECTION 9. Statutory material to be repealed is bracketed 21 and stricken. New statutory material is underscored.

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1	SECTION 10.	This Act shall take effect on July 1, 2010.
2		INTRODUCED BY: Calvid X Say
3		INTRODUCED BY:
4		BY REQUEST
5		JAN 2 2 2007

HB1371

JUSTIFICATION SHEET

DEPARTMENT:

Land and Natural Resources

TITLE:

A BILL FOR AN ACT RELATING TO COASTAL ZONE MANAGEMENT.

MANAGEMEN

PURPOSE:

Requires affected agencies to account for sea-level rise and minimize risks from coastal hazards such as erosion, storm inundation, hurricanes, and tsunamis.

MEANS:

Amend sections 205A-2, 205A-22, 205A-26, 205A-41, 205A-43, 205A-43.5(a), 205A-44(a), 205A-45, and 205A-46, Hawaii Revised

Statutes.

JUSTIFICATION:

Current shoreline setback requirements have been established without adequate data on historical shoreline positions and trends. This has led to high wave and flood zones being closer to developed areas with increased risk from storms, hurricanes, or tsunamis. Because chronically retreating shorelines eventually threaten these improvements, there has also been widespread construction of shore protection structures such as seawalls and revetments.

Sea-level rise is well documented in the Hawaiian Islands. Historical tide gauge data provide clear evidence of long term change in mean sea-level at all record keeping locations in the Islands. The Brunn rule provides a generic ratio for sea-level rise to shoreline retreat, with average values of 1 inch of rise to 100 inches of retreat for sandy shorelines. Exposure to coastal hazards is directly related to proximity to the shoreline. Preparing for the migration of hazards requires understanding the rate of sea-level rise and localized erosion rates. The effective date of the bill, July 1, 2010, will give the counties sufficient time to acquire erosion

Page 2 #81391

data or determine an alternate procedure or method to average annual shoreline erosion rate for individual locations.

It is important that information regarding natural hazards such as coastal erosion data be incorporated into the planning and permitting processes at the earliest stages of development. This bill makes various changes to mitigate coastal hazards, including a requirement for affected agencies to plan for coastal hazards such as erosion, sea-level rise, storm inundation, hurricanes, and tsunamis by considering future movements of the shoreline that can threaten structures. Average annual erosion rates shall be considered before zoning, community planning, and subdivision changes are made.

Impact on the public: Protect shoreline
improvements and natural resources from
coastal hazards.

Impact on the department and other agencies: Would require more diligence by affected agencies when reviewing and processing land use entitlements in the shoreline area.

GENERAL FUND:

None.

OTHER FUNDS:

None.

PPBS PROGRAM
DESIGNATION:

LNR 101.

OTHER AFFECTED AGENCIES:

Department of Business, Economic

Development, and Tourism - Coastal Zone

Management Program; Department of

Transportation; county planning departments

EFFECTIVE DATE:

July 1, 2010.