NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
300 SERIES: PUBLIC INFORMATION ACTIVITIES									
310 Elevation Certificates			***116***						**RELATED ACTIVITIES:** 320-flood depths, 330-PPI, 350-flood elevation data for website, 360 & 370-use EC data, 410-GIS system & NS, 430-Haz Mapping & FRB, 440-other prop database (see 410-GIS)
312.a	**EC**	**Maintaining Elevation Certificates**		**38**				no	
312.b	**ECPO**	**Maintaining Elevation Certificates Post-FIRM**		**48**				yes	IA based on # of post-FIRM bldgs in the community
312.c	**ECPR**	**Maintaining Elevation Certificates Pre-FIRM**		**30**				yes	IA based on # of pre-FIRM bldgs in the community
320 Map Information Services			***90***						**RELATED ACTIVITIES:** 320-map info to public, 330-PPI for OP, 340-haz disclosure, 350, 360 & 370-maps used for public inquiry, 410-NS-Flood Haz Mapping, 430-FRB, 440-AMD
322.a	**MI1**	**Basic FIRM Information**		**30**				no	
322.b	**MI2**	**Additional FIRM Information**		**20**				no	
322.c	**MI3**	**Problems (flood) not shown on FIRM**		**20**				no	
322.d	**MI4**	**Flood Depth Data**		**20**				no	
322.e	**MI5**	**Special Flood-related Hazards**		**20**				no	
322.f	**MI6**	**Historical Flood Information**		**20**				no	
322.g	**MI7**	**Natural Floodplain Functions**		**20**				no	
330 Outreach Projects			***350***						**RELATED ACTIVITIES:** publicity through OP (320, 330, 370-TA, & 540-SDR), warning & response through OP (610, 620,& 630), PPI beyond OP (320-needs assessment mapping, 340-real estate agents on PPI, 350-web up to 10 messages, 360-PPA, PPV, FAA, 370-promote flood insurance coverage, 510-FMP committee, 540 publicize dumping regs.)
332.a	**OP**	**Outreach Projects**		**200 | 280**				no	
322.b	**FRP**	**Flood Response Preparations**		**50 | 70**				no	OP Credit
322.c	**PPI**	**Program for Public Information**		**80**				no	80 pts for a PPI+179 PPI pts in 300 series & activity 540=258 pts possible from PPI
322.d	**STK**	**Stakeholder Delivery**		**50**				no	
340 Hazard Disclosure			***80***						**RELATED ACTIVITIES:** 320-map info for public and real estate agents, 330-PPI additional pts in 340 (DFH and REB)
342.a	**DFH**	**Disclosure of the Flood Hazard**		**25 | 35**				no	
342.b	**ODR**	**Other Disclosure Requirements**		**25**				no	5 pts per requirement
342.c	**REB**	**Real Estate Agent's Brochure**		**12**				no	
		1. If real estate agents are providing brochures or handouts to potential buyers about flooding, or			8				either 1 or 2
		2. Brochure or handout is described in the PPI			12				either 1 or 2
342.d	**DOH**	**Disclosure Other Hazards**		**8**				no	
350 Flood Protection Information			***125***						**RELATED ACTIVITIES:** closely related to 330-OP, 350 for library information or website, WEB1 ties to messages under 330 plus PPI pts, 310-EC, 320, maps for public, 360-TA on flood insurance, 430 & 450 permitting construction in floodplain, 540-maintaining drainage system
352.a	**LIB**	**Flood Protection Library**		**10**				no	
352.b	**LPD**	**Locally Pertinent Documents**		**10**				no	
352.c	**WEB**	**Flood Protection Website**		**77 | 105**				no	**28 PPI points available** (see WEB 1 notes)*; link on homepage w/ directory required

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Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
	WEB1	Provide more info on the message conveyed in 330 (OP)			47*			no	WEB1: up to 47 points - up to 7 pts per CRS priority topics 1,2,4,5 & 6; up to 12 pts per CRS priority topic 3; up to 28 PPI points - up to 7 pts per topic (max 4) for additional messages under 330-OP as part of the PPI*
	WEB2	Provide posting or link to real-time gage information			10			no	
	WEB3	Posting Elevation Certificates (EC) or data from EC			20			no	
360 Flood Protection Assistance			***110***						**RELATED ACTIVITIES:** PPI credits for PPA, PPV,& FAA including publicity requirement coordination for 300-OP, 350-website does not count as prerequisite unless there is a PPI, 360-encourage protection measure leads to owner implementation could be credited under 530, 520- if owner relocates or sells to public agencies w/assistance, 540-advising about good drainage and dumping prohibitions
362.a	**PPA**	**Property Protection Advice**		**25 | 40**				no	PPI 15 pts
362.b	**PPV**	**Protection Advice Provided after a Site Visit**		**30 | 45**				no	PPI 15 pts
362.c	**FAA**	**Financial Assistance Advice**		**10 | 15**				no	PPI 5 pts
362.d	**TNG**	**Advisor Training**		**10**				no	
370 Flood Insurance Promotion			***110***						**RELATED ACTIVITIES:** 310-EC & 320-inquiries about flood data on FIRM, 330-OP flood insurance messages & PPI, publicize advice (TA) as part of 330-OP, website credit for 350 should promote flood insurance & link to more info, provide advise (TA) services, 610, 620, & 630 have OP prerequisites, 620 req discussion about insurance.
372.a	**FIA**	**Flood Insurance Assessment**		**15**				no	
372.b	**CP**	**Coverage Improvement Plan**		**15**				no	
372.c	**CPI**	**Coverage Improvement Plan Implementation**		**60**				no	
372.d	**TA**	**Technical Assistance**		**20**				no	
400 SERIES: MAPPING AND REGULATIONS									
410 Floodplain Mapping			***850***						**RELATED ACTIVITIES:** 410-flood related special hazards could get creds in 420 and/or 430, 450 & 420 regarding WMP & open space; 430-regulating areas outside of SFHA; 440-maps used for 330-OP; similar maps used in 510 & 610 for planning and 600 series creds; 530-creds if flood control projects reduce flood hazard
412.a	**NS**	**New Studies**		**350**				yes	Pts based on table and range from 0/60-350 depending on FIRM zone; full pts. must result in new BFE or floodway
412.b	**LEV**	**Leverage**		**NS Multiplier 0-1.0**				yes	Multiplier of NS Funding Ratio; Non-FEMA cost share/Total cost of NS (or) 0.27 if all topo date were contributed to study effort (+) 0.22 if other significant contributions were made t the study in lieu of financial assistance
415.c	**SR**	**State Review**		**60**				yes	Pts based on table and range from 0/10-60
412.d	**HSS**	**Higher Study Standards**		**200**				yes	Pts based on table and range from 0/15-200, one or more mapping standards that exceed FEMA
412.e	**FWS**	**More Restrictive Floodway Standards**		**140**				yes	1 or 2 or 3 or 4
		1. if the floodway delineation was based on less that 0.11 feet of rise in the BFE (or)			140				1 or 2 or 3 or 4
		2. if allowable rise was from 0.11 to 0.25 feet (or)			105				1 or 2 or 3 or 4
		3. if allowable rise was from 0.26 to 0.50 feet (or)			60				1 or 2 or 3 or 4
		4. if allowable rise was from 0.51 to 0.99 fee			30				1 or 2 or 3 or 4
412.f	**MAPSH**	**Mapping of Special-Flood Hazards**		**100**				yes	
	MCE	**Mapping Coastal Erosion Hazards**			50				
		1. mapping the annual erosion rates of the community's entire shoreline subjected to erosion				50			
		2. requires site specific erosion rate analysis done at time of development app w/in 600' of shoreline				25			

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
		3. adopts a regulatory map delineating areas to be affected by erosion over next 30-years				10			
		4. regulatory map delineating areas expected to be affected over next 100-years				25			
	MTS	**Mapping Tsunami Hazards**			50				
		1. mapping tsunami run-up areas outside of SFHA (or)				50			1 or 2
		2. mapping areas of SFHA where tsunami regulatory elevations is higher than BFE on FIR				50			1 or 2
420 Open Space Preservation			***2,870***						**RELATED ACTIVITIES:** 320 creds info about natural/sensitive areas (M17); 440-creds data in GIS, both should include creds for NFOS; 410-creds maps/regs outside SFHA & parks/os can get creds; 310-higher regs standard, DL creds for prohibiting fill, bldgs, storage; 520 creds property cleared must meet OSP criteria, if cleared with FEMA mitigation $, also qualify for DR creds
422.a	**OSP**	**Preserved Open Space**		**1,450**				yes	based on amount of SFHA that is preserved open space
422.b	**DR**	**Deed Restriction**		**50**				yes	rDR cannot be greater than rOSP
422.c	**NFOS**	**Natural Functions Open Space**		**350**				yes	rNFOS# can not be larger than rOSP
	NFOS1	OSP parcels or restored to their natural state			190				
	NFOS2	NFOS1 parcels in a natural floodplain funct. protection plan			50				
	NFOS3	NFOS1 parcels as critical habitat for t&e species			50				
	NFOS4	NFOS1 also in a designated open space corridor in plans			60				
422.d	**SHOS**	**Special Flood-related Hazards Open Space**		**150**				no	Pre req. min. 20 points in 430 for IA; includes alluvial fans, closed basin lakes, ice jams, land subsidence, mudflows, tsunamis, etc.
422.e	**CEOS**	**Coastal Erosion Open Space**		**750**				no	See calculations and multiplier based on NOAA projections for 2100
422.f	**OSI**	**Open Space Incentives**		**250**				yes	
	OSI1	regulates OS as a set aside in subdivision			250				Final Plat recorded, set aside counts towards OSP
	OSI2	regulates buildings outside of regulatory floodplain			150				
	OSI3	regulates to greatest extent possible, buildings outside of reg. floodplain			65				
	OSI4	regulates allow transfer of development rights (TDR)			70				
	OSI5	regulates allow cluster development			25				
	OSI6	program that provides tax incentives to keep land open			25				
	OSI7	land use plan, OS or low density in flood prone areas			10				
422.g	**LZ**	**Low-density Zoning**		**600**				yes	points based on min. lot size (density)
422.h	**NSP**	**Natural Shoreline Protection**		**120**				yes	points based on length of community shoreline
430 Higher Regulatory Standards			***2,462***						**RELATED ACTIVITIES:** 320-advising pub about special regs (i.e. Coastal A); 330-explaining permit req and regs for OP & FRP and for 350 for web; 340-requirements filed with prop records (ENL & ODR) can get creds; 360-regulatory req discussions; 410- if regulatory floodplain outside SFHA; DL restrictive enough, could creds for OSP under 420
432.a	**DL**	**Development Limitations**		**1330**				cDL	
	DL1	Prohibition of Fill			280			yes	
		a. complete prohibition of fill (or)				280			a or b
		b. 130 pts x ratio of compensation, regs requiring new development compensatory storage				195			a or b
	DL2	Prohibition of Buildings			1,000			yes	
		a. regs prohibit buildings w/in regulatory floodplain & CLOMR-Fs and LOMR-Fs are not permitted (or)				1,000			a or b
		b. regs prohibit buildings w/in regulatory floodplain & CLOMR-Fs and LOMR-Fs are permitted				100			a or b
	DL3	Prohibition of Outdoor Storage Material			50			yes	
		a. regs prohibit outdoor storage of materials within regulatory floodplain (or)				50			a, b, or c
		b. regs prohibit storage of hazardous materials anywhere in the floodplain (or)				20			a, b, or c
		c. regs require hazardous materials to be stored indoors, above BFE				10			a, b, or c
432.b	**FRB**	**Free Board**		**500**				yes	excludes areas credited for OSP or DL2, see table
		1 foot + no filing restrictions + compensatory storage required			100-120				pts based on FRB table
		2 foot + no filing restrictions + compensatory storage required			225-280				pts based on FRB table
		3 foot + no filing restrictions + compensatory storage required			375-500				pts based on FRB table
432.c	**FDN**	**Foundation Protection**		**80**				yes	
	FDN1	a. for all new buildings in reg. floodplain/no fill (or)			80				a, b, or c; excludes OSP or DL2

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Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
	FDN2	b. for all new buildings in reg. floodplain/w fill compensatory storage (or)			60				a, b, or c; excludes OSP or DL2
	FDN3	c. for all new building in a reg. floodplain w/fill			30				a, b, or c; excludes OSP or DL2
432.d	**CSI**	**Cumulative Substantial Improvements**		**90**				yes	
		1.a improvements, modifications, and additions (IMA) to existing structures are cumulative 10-years (or)			40				either 1a or 1b
		1.b improvements, modifications, and additions to existing structures are cumulative 5-years			20				either 1a or 1b
		2.a reconstruction and repairs (R&R) to damaged bldgs are cumulative 10-years (or)			40				either 2a or 2b
		2.b reconstruction and repair to damaged bldgs are cumulative 5-years			20				either 2a or 2b
		3. regs require increased ICC for repetitive loss			20				
		4. regs require additions be protected from base flood			20				
432.e	**LSI**	**Lower Substantial Improvements**		**20**				yes	
		1. regulatory threshold for substantially improved or substantially damaged less than 50% (or)			20				1 or either 2a or 2b
		2.a regulatory threshold no more than 25% bldg s.f. (or)			10				1 or either 2a or 2b
		2.b threshold applies to IMA or R&R			10				1 or either 2a or 2b
432.f	**PCF**	**Protection of Critical Facilities**		**80**				yes	
		1. new critical facilities are prohibited from 500-year floodplain			80				
		2. new critical facilities are protected to min. 1-foot above the 500-year flood			40				
432.g	**ENL**	**Enclosure Limits**		**390**				yes	excludes areas credited for OSP or DL2
		1. if regs prohibit any building enclosures (or)			240				either 1 or total of 2+3a,b,or c
		2. if regs prohibit enclosures of areas greater than 299 square feet			100				either 1 or total of 2+3a,b,or c
		3.b nonconversion agreement with annual inspection (or)			*90*				either 1 or total of 2+3a,b,or c
		3.b nonconversion agreement with right to inspect any time (or)			*60*				either 1 or total of 2+3a,b,or c
		3.c nonconversion agreement does not mention inspections			*30*				either 1 or total of 2+3a,b,or c
	ENLcaz	**CAZ** and V-Zone **ENL** Bonus Credit						yes	CAZ and V-Zone ENL bonus credits
		1. regs prohibit any building enclosures in coastal A zone (or)			150				either 1 or 2
		2. regs prohibit any enclosures >299 square feet below BFE in coastal A			50				either 1 or 2
432.h	**BC**	**Building Code**		**100**				no	BC=BC1+BC2
	BC1	Entire I-Code (International Building and International Residential) adopted			50				Sum of BC1
		a. adoption and enforcement of Int. Building Code				20			
		b. adoption and enforcement of the Int. Residential Code				20			
		c. adoption and endorsement of the Int. Plumbing Code				3			
		d. adoption and enforcement of Int. Mechanical Code				3			
		e. adoption and enforcement of the Int. Fuel Gas Code				2			
		f. adoption and enforcement of the Int. Private Sewage Disposal Code				2			
	BC2	BCEGS (Building Code Effectiveness Grading Schedule) of 5/5 or better			50				Not cumulative
		a. 5/5				10			
		b. 4/4				20			
		c. 3/3				30			
		d. 2/2				40			
		e. 1/1				50			
432.i	**LDP**	**Local Drainage Protection**		**120**				no	
	LDP1	40 x #feet that lowest level must be above crown of nearest street or highest grade of adjacent bldg			variable				LDP1-3 not cumulative
	LDP2	site plan requirements for street flooding & local drainage from & onto adjacent prop; & protects bldg			40				LDP1-3 not cumulative
	LDP3	a. regs req. positive drainage away from building to collection area (or)			20				LDP1-3 not cumulative; either 3a or 3b
		b. requires positive drainage away from the site			10				LDP1-3 not cumulative; either 3a or 3b
	LDP4	regs require runoff from 100-year storm be kept on site			20				LDP4 credited alone or added to LDP1-3 up to max
432.j	**MHP**	**Manufactured Home Park**		**15**				no	regulations worth 15 pts
432.k	**CAZ**	**Coastal A Zone**		**500**				yes	IA has seal level multiplier
		a. V-Zone foundation standards			250				
		b. bottom of lowest horizontal structure/elect/equip elevated to or above BFE			100				
		c. registered design professional needed for review of plans			125				
		d. new construction located landwards of the reach of mean high tide			25				
432.l	**SHR**	**Special Flood-Related Hazards Regulations**		**100**				yes	

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
	SHDL2	**Special Flood-Related Hazard Areas**			100				100 pts for prohibition of bldgs in these areas
	IJR	**Ice Jam Regulations**			80				sum of a & b
		a. req. new structures on fill or pilings above ice jam regulatory flood elev.				50			
		b. 10 pts. X freeboard above reg. elevation				10-30			30 pts maximum for 3 feet
	CBR	**Closed Basin Lake Hazard Regulations**			80				sum of a through e
		a. req new structures on fill above flood elevation for closed basin lakes				40			
		b. access required at regulatory flood elevation				10			
		c. utilities required to e protected to regulatory flood elevation				10			
		d. utilities/basement floodproofing w/ 1,000 feet of shoreline				15			
		e. new wells flood proofed/abandoned wells sealed				5			
	MFR	**Mudflow Hazard Regulations**			35				sum of a through c
		a. requires soils and grading study				25			
		b. buildings supported by stilts				5			
		c. drainage fro impervious surface collected and conducted to street				5			
	SUR	**Land Subsidence Regulations**			80				sum of a or b
		a.1. new buildings with pilings				60			
		a.2. new public facilities and utilities designed for subsidence (or)				20			
		b. activities intended to reduce future land subsidence				40			
	UFR	**Uncertain Flow Path Regulations**			80				either UFR1 or UFR2; only one uncertain flow hazard can be credited in a community
	UFR1	**(a) Alluvial Fan Hazards**				80			sum of 1 through 3
		a.1. new structures engineered protected from alluvial fan hazards					60		
		a.2. utilities 100-year event					10		
		a.3. access during 100-year flood event					10		
	UFR2	**(b) Movable Bed Stream Hazards**				80			either b.1, b.2 or b.3
		b.1. detailed study of mitigation potential has been mapped (or)					80		
		b.2. all public/private development safe from channel migration (or)					65		
		b.3. standard setback is mapped, all development permitted after detailed channel study					40		
432.m	**TSR**	**Tsunami Hazard Regulations**		**50**				yes	sum of 1 through 6
		1. requires new structures above tsunami flood elevation			50				
		2. regulates prohibit critical facilities in tsunami hazard area unless 2.a and 2.b			15				
		a. design can mitigate vulnerability				*			15 pts for 2.a and 2.b if not 2
		b. risk reduced through emergency response measures				*			15 pts for 2.a and 2.b if not 2
		3. adopting Guidelines for Design of Structures for Vertical Evacuation from Tsunamis for new bldgs.			30				
		4. regs require tsunami inspections			15				
		5. regs require substantially improved bldgs and additions meet tsunami code			15				
		6. prohibits storage of hazard materials			15				
432.n	**CER**	**Coastal Erosion Hazard Regulations**		**370**				yes	credits: cCER=(CER1 x rCER) + CER2
	CER1	a. erosion protection level, in years, where new buildings are prohibited			30-100				
		b. erosion protection substantially imp. structures setback regs			0.50 x #years				
		c. erosion protection substantially damaged structures setback regs			0.50 x #years				
		d. large bldgs meet 60-year setback			20				only when community setback is 50 years
		e. buffer beyond calculated erosion setback			1 per foot (50 max)				
		f. erosion threatened structures req to be removed within 2 years			75				
		h. all new structures req set back at least 60' from all shorelines			25				
	CER2	a. regs that prohibit vehicular and pedestrian traffic on sand dunes except on access structures			20				
		b. regs prohibit development seaward (lakeward) of existing bldgs on waterfront prop			10				
432.o	**OHS**	**Other Higher Standards**		**100**				yes	individually reviewed, 5-100 points
432.p	**SMS**	**State Mandated Regulatory Standards**		**20**				no	10% of the credit for an element credited in 400 series
432.q	**RA**	**Regulations Administration**		**67**				no	sum of the RAs
	RA1	a. training/education (CFM, EMI, etc.) (or)			25				either a or b, 5 pts for each class under a
		b. if a CFM reviews, approves, and inspects prop development projects in the floodplain			25				
	RA2	IAS accreditation			5				inspections by building dept

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
	RA3	three detailed Inspections of new buildings in floodplain			16				inspections in accordance with Figure 430-4
	RA4	reinspections			16				
	RA5	off-site record storage			5				
440 Flood Data Maintenance			***222***						**RELATED ACTIVITIES:** 320-copies of old FIRMS creds; 330- maps of existing SFHA showing additional details creds under 440; 340-good maps for insurance agents; 360-more info for the public; 370-maps to target bRL and bSRL; 410; 420-use GIS to calculate creds for OS, including creds for natural functs; 430-maps needed for IA; 450; 510; 520; 530; 540 natural functs; 610, 620, 630
442.a	**AMD**	**Additional Map Data**		**160**				yes	if r<0.10 square miles, use 0.10
	AMD1	SFHA, corporate limits, streets, parcels/lots (in and out of SFHA)			20				
	AMD2	GIS layer showing up to date buildings, building footprints, etc.			26				
	AMD3	floodways or coastal high hazard areas w/bldg references			12				
	AMD4	base flood elevations (BFE)			12				
	AMD5	FIRM zone attributes			10				
	ADM6	500-year floodplain elevations or boundaries			10				
	AMD7	other natural hazard areas			12				
	AMD8	a. topographic information (or)			8				either a or b
		b. topographic contours smaller than USGS			10				either a or b
	AMD9	updated flood data in tax assessment data base			6				
	AMD10	overlays for all FIRMS in effect after CRS application			6				
	AMD11	overlays/databases used for regulation or mitigation programs			8				i.e. repetitive loss areas, Hazus-MS
	AMD12	natural floodplain function areas			14				i.e. wetlands, riparian habitat
	AMD13	building elevation data in digital format			14				
422.b	**FM**	**FIRM Maintenance**		**15**				no	
		1. copies of all FIRMs, FIS, Flood Boundary Maps			12				
		2. maintain copies of all Flood Hazard Boundary Maps issued			3				
422.c	**BMM**	**Benchmark Maintenance**		**27**				yes	BMM= BMM1 + BMM2
	BMM1	community has one or more benchmarks meet criteria criterion (2)			27				BMMI + BMM2 areas do not overlap
	BMM2	if there are three CORS within 30 miles of credited portion of SFHA			27				BMMI + BMM2 areas do not overlap
422.d	**EDM**	**Erosion Data Maintenance**		**20**				no	10 or 20 points available
		1. state or local agency retains specific erosion data at least every 5-years (or)			20				1 or 2
		2. new arial photos for erosion data at least every 5-years			10				1 or 2
450 Stormwater Mangagement			***755***						**RELATED ACTIVITIES:** 330 OP to promote benefits of WQ and ESC; 410 MAP creds future floodplain conditions, SMR and WMP reduces need for these maps; 420 reduces need for channel hardening, 420 creds for preservation green infrastructure; 440-mapping sensitive areas for WMP; 540 SBM dependent upon receiving credits in 450 for PUB
452.a	**SMR**	**Stormwater Management Regulations**		**380**				yes	
	SZ	**Size of Development**			110				
		a. if all development is regulated (or)				110			all development is regulated
		b. regulated with exceptions (see notes) (or)				90			no SFR, no parcels <0.50 acres, no impervious <5,000 sf
		c. regulated with exceptions (see notes) (or)				60			<1.0 acre parcels, <10,000 sf impervious surface
		d. regulated with exceptions (see notes)				15			<5.0 acre parcels, <20,000 sf impervious surface
	DS	**Design Storms Used in Regulations**			225				DS 1,2, or 3; new development only
	DS1	a. detention 10-year storm (or)				14			a or b
		b. detention 10-year storm if volume is also controlled				20			a or b
	DS2	a. detention >10-year<100-year (or)				36			a or b
		b. detention >10-year<100-year if volume is also controlled				54			a or b
	DS3	a. detention designed for 100 year min. (or)				100			a or b
		b. detention for 100 year min. and volume is also controlled				150			a or b
	LID	**Low Impact Development**			25				
		a. if all development (SZ=110) is req to use low-impact techniques to control runoff to max feasibility (or)				25			a,b,c or d
		b. if SZ = 90 (or)				20			a,b,c or d
		c. if SZ = 60 (or)				15			a,b,c or d
		d. if SZ = 15 (or)				10			a,b,c or d

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
	PUB	**Public Maintenance of Facilities**			20				req inspection and maintenance of stormwater mgt facility
452.b	**WMP**	**Watershed Master Plan**		**315**				yes	
	WMP1	WMP meets all criteria of Section 452.b (required)			90				required for other WMP credit
	WMP2	WMP manages all 100-year flood events			30				
	WMP3	onsite management of future peak flows to present level			55				
	WMP4	manages runoff from all storms up to including the 5-day event			35				
	WMP5	identifies open space/natural lands to be preserved			30				
	WMP6	recommends prohibiting dev/alt/modifications natural channels/adopted qualifying ordinance			25				
	WMP7	soft/green approaches to natural channel improvements			25				
	WMP8	dedicated funding sources for implementation			25				
452.c	**ESC**	**Erosion and Sedimentation Control Regulations**		**40**				no	
		1. regs control erosion for area >1,000 s.f. (or)			40				1, 2 or 3
		2. regs control erosion for area >0.5 acres (or)			30				1, 2 or 3
		3. regs control erosion for area >1.0 acres (or)			10				1, 2 or 3
452.d	**WQ**	**Water Quality Regulations**		**20**				no	
500 SERIES: FLOOD DAMAGE REDUCTION ACTIVITIES									
510 Floodplain Management Planning			***622***						**RELATED ACTIVITIES:** FMP should repository of all public information and floodplain mgt activities; CRS Community Self Assessment can help with hazard with Steps 4 & 5; 330 (OP) and 370 flood insurance promo creds for having a committee similar to FMP Step 2. Same committee fulfill both creds; 420 (NFOS) can be increased if OS are identified natural floodplain functions plan; RLAA prioritize for mitigation bonus creds under 520 and 530; Multi Haz Mitigation Plan criteria is prerequisite for FEMA funding for projects creds under 520 and 530
512.a	**FMP**	**Floodplain Management Planning**		**382**				yes	
		Phase I - Planning Process							
		Step 1. Organize: §201.6(c)(1)			15				
		a. land use/planning office involved with FMP				4			
		b. planning done by a committee includes land use/planning office staff				9			
		c. planning committee formally recognized by governing body				2			
		Step 2. Involve the Public: §201.6(b)(1)			120				
		a. plan is conducted through a planning committee				60			
		b. public information meetings				15			
		c. meeting to get pubic input				15			
		d. additional public info activity (web, webcast, survey, outreach, etc.)				30			5 pts for each activity
		Step 3. Coordinate: §201.6(b)(2) & (3)			35				
		a. planning includes existing reports/studies/information				5			
		b. coordinating with orgs/agencies outside community				30			
		Phase II - Risk Assessment							
		Step 4. Assess the Hazard: §201.6(c)(2)(i)			35				
		a. assessment of flood hazard in the plan				15			
		a.1. map of the flood hazard area					5		
		a.2. description of known flood hazard					5		
		a.3. discussion of past flood events					5		
		b. assessment of less-frequent flood hazards				10			
		c. assessment of areas likely to be flooded				5			
		d. other natural hazards				5			
		Step 5. Assess the Problem: §201.6(c)(2)(ii) & (iii)			52				
		a. overall summary of vulnerability				2			
		b. description of impacts described in hazard assessment (step 4)				25			
		b.1. life safety & need for warning & evacuation					5		

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
		b.2. public health					5		
		b.3. critical facilities and infrastructure					5		
		b.4. economy and major employers					5		
		b.5. number and types of affected buildings					5		
		c. includes review of historical damage to bldgs				5			
		d. describes floodplain natural functions				5			
		e. description of development, redev, population trends and impacts				7			
		f. description of impact of future flooding conditions on Step 4.c				8			
		Phase III - Mitigation Strategy							
		Step 6. Set Goals: §201.6(c)(3)(i)			2				
		Step 7. Review Possible Activities: §201.6(c)(3)(ii)			35				
		a. review of preventative actions				5			
		b. review/evaluate community floodplain mgt regulatory standards				5			
		c. reviews property protection activities				5			
		d. reviews activities to protect natural and beneficial functions				5			
		e. reviews emergency services activities				5			
		f. reviews structural projects				5			
		g. reviews pubic information activities				5			
		Step 8. Draft an Action Plan: §201.6(c)(3)(iii)			60				
		a. points for categories 1-4				45			
		a.1. includes flood-related recommendations from 2 of 6 activities in Step 7 (or)					10		
		a.2. includes flood-related recommendations from 3 of 6 activities in Step 7 (or)					20		
		a.3. includes flood-related recommendations from 4 of 6 activities in Step 7 (or)					30		
		a.4. includes flood-related recommendations from 5 of 6 activities in Step 7					45		
		b. establishes or revises post-disaster redevelopment and mitigation policy				10			
		c. includes action items to mitigate the effects of other natural hazards				5			
		Phase IV - Plan Maintenance							
		Step 9. Adopt the Plan: §201.6(c)(5)			2				
		Step 10. Implement, Evaluate, Review: §201.6(c)(4)			26				
		a. procedures for monitoring implementation, progress, revisions				2			
		b. annual evaluation report				24			
		b.1. committee meets at least once a year					6		1, 2, or 3
		b.2. committee meets at least twice a year					12		1, 2, or 3
		b.3. committee meets at least quarterly					24		1, 2, or 3
512.b	**RLAA**	**Repetitive Loss Area Analysis**		**140**				yes	20 pts for each adopted repetitive loss area analysis/140 pts max for all areas
512.c	**NFP**	**Natural Floodplain Functions Plan**		**100**				no	
	NFP1	comprehensive inventory of floodplain habitat (or)			100				
	NFP2	other plans that meet credit criteria, does not cover the entire SFHA			60				15 per plan up to 60
520 Acquisitions and Relocation			***2,250***						**RELATED ACTIVITIES:** property owners advice including alternative and sources of financial assistance under 360, prerequisite for 520 - property that has been cleared must meet OSP criteria for OS under 420, such prop should creds OSP, if FEMA mitigation funds, creds for DR; FMP or RLAA creds for 510 to identify acquisitions or relocations, RLAA can identify bonus creds properties in 520; multi- hazard mitigation plan creds under 510 as prerequisite for FEMA funding for acquisition and relocation
522.a	**bAR**	**Building Acquired or Relocation**		**Opt. 1: 190** **Opt. 2: 2,250**				no	# bldgs acquired, relocated, or removed from reg floodplain
522.b	**bRL**	**Buildings on the Repetitive Loss List**						no	# RL bldgs acquired, relocated, or removed from flood problem
522.c	**bSRL**	**Severe Repetitive Loss Properties**						no	# SRL properties acquired, relocated, or removed from flood pro
522.d	**bCF**	**Critical Facilities**						no	# CF acquired, relocated, or removed from reg floodplain
522.e	**cVZ**	**Buildings in the V Zone or Coastal A (50% more pts than bAR)**						no	#bldgs acquired, relocated, or cleared from V, Coastal A, LiMWA, etc.

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
530 Flood Protection			***1,600***						RELATED ACTIVITIES: 360 providing property owners advice including alternative and sources of financial assist; flood control projects can lead to changes in FIRM, possible creds under 410; FMP or RLAA creds under 510 identify projects for flood protection, RLAA can receive bonus creds under 530; multi-HMP creds under 510 prerequisite for FEMA funding for creditable retrofitting projects
532a	**TU_**	**Flood Protection Project Techniques Used**						no	
	TUE	a. Technique Used for Elevating Buildings, TUE = 1.0						no	TUE=1.0
	TUD	b. Techniques Used for Dry Floodproofing						no	TUD=0.6; done by a registered design prof
		b.1 TUD = 0.6							
		b.2 TUD = 0.4							TUD=0.4; not dependent on human intervention/ <3' above 1st floor
		b.3 TUD = 0.2							TUD=0.2; all other cases
	TUW	c. Techniques Used for Wet proofing						no	
		c.1 TUW = 0.5							TUW=0.5; done by a registered design prof
		c.2 TUW = 0.3							TUW=0.3; if not by a registered design prof
		c.3 TUW = 0.2		**Opt. 1: 160**					TUW=0.2; if utilities are located above flood level
	TUS	d. Techniques Used Bldgs Protected from Sewer or Sump Backup		**Opt. 2: 1,600**				no	
		d.1 TUS = 0.2							TUS=0.2; building located in the SFHA
		d.2 TUS = 0.1		**d.2 TUS**					TUS=0.1; sewer backup prevention measures outside SFHA, etc.
	TUB	technique Used Bldgs Protected by a Barrier		**Max 200 pts**				no	
		e.1 TUB = 0.8							TUB=0.8; designed, construction approved by design prof, etc.
		e.2 TUB = 0.4		**Structural TU**					TUB=0.4; no prof design, but deals w/ interior drainage, seepage, etc.
	TUC	f. Technique Used Bldgs Protected by Channel Modification Projects		**Max 1,000 pts**				no	
		f.1 TUC = 0.8							TUC=0.8; design provides 1' clearance from flood protection level
		f.2 TUC = 0.7							TUC=0.7; for pump systems and all other cases
	TUF	Technique Used Bldgs Protected by Facilities i.e. Reservoir, Basins, Ponds, etc., TUF = 0.8						no	TUF=0.8; for all flood water storage facilities
532.b	**FPI**	**Flood Protection Improvements**						no	Value is function of FPP and FPB
532.c	**PB**	**Protected Buildings**						no	Value is function of TU and the FPI Repetitive Loss Multiplier: 2x towards PB Severe Repetitive Loss Multiplier: 3X towards PB Critical Facilities Multiplier (up to 2x towards PB) Flood Mitigation Grant Multiplier is available (0.25x value of PB)
540 Drainage System Maintenance			***470***						**RELATED ACTIVITIES:** SDR under 330 (OP) plus PPI, 420 (OSP), 420 (NSP), IA map for NSP same as map for conveyance map for CDR, 450 (SMR), 450 (PUB), CIP towards 530 particularly CF and RL, SRL properties
542.a	**CDR**	**Channel Debris Removal**		**200**				yes	within community's natural drainage system
542.b	**PSM**	**Problem Site Management**		**50**				no	
542.c	**CIP**	**Capital Improvement Program**		**70**				no	
	CIP1	ongoing capital improvement program meeting criteria			30			no	CIP1 + CIP2
	CIP2	acceptable engineering analysis of the drainage system (1% flood event)			40			yes	CIP1 + CIP2
542.d	**SDR**	**Stream Dumping Regulations**		**25 | 30**				no	
		1. regulations prohibit dumping in the community drainage system (or)			15				1, 2 or 3
		2. regulations prohibit dumping and community publicizes requirements (or)			25				1, 2 or 3
		3. regulations prohibit dumping, community publicity is covered in the PPI			30				1, 2 or 3
542.e	**SBM**	**Storage Basin Maintenance**		**120**				yes	must received credit for PUB in 450 (SMR)
600 SERIES: WARNING AND RESPONSE									
610 Flood Warning and Response			***395***						**RELATED ACTIVITIES:** outreach req 611.b(5) as p/o PPI creds for 330 (OP), FTR similar to 620-LFR & 630-DFR all should be coordinated closely; EWD similar to 620-LFW & 630-DFW and should be coordinated closely; FRO is similar to 620-LFO & 630-DFO and should be coordinated closely; FRO6 should be coordinated with public info activities creds for FRP under 330 (OP), regs under 430, and mitigation measures under 530
612.a	**FTR**	**Flood threat recognition**		**75**				yes	must obtain some credit in FTR, EWD, FRO, & CFP to get any for activity

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
	FTR1	Level 1 manual flood warning/alarm system (or)			25				1,2 or 3
	FTR2	Level 2 automated flood alarm system (or)			50				1,2 or 3
	FTR3	Level 3 automated flood warning system			75				1,2 or 3
613.b	**EWD**	**Emergency Warning Dissemination**		**75**				yes	
	EWD1	warning/plan includes pre-scripted messages or template			10				
	EWD2	public messages include info and instruction on expected flood elevation			10				
	EWD3	outdoor voice-sound system or fixed siren			10				
	EWD4	door-to-door or mobile warning							
		a. plan identifies primary/support agencies for mobile public warning (or)			5				
		b. plan identifies routes, procedures, staff, equipment for mobile warning			15				
	EWD5	Emergency Alert System through all channels w/ pre script			10				
	EWD6	telephone warning /enhanced phone notification			15				
	EWD7	television broadcast message scroll notifications			15				
	EWD8	other forms of emergency warning like social media			15				
	EWD9	radio notification to large facilities that need warning			10				
	EWD10	flood inundation or evacuation maps used to meet 611.a are online			10				
612.c	**FRO**	**Flood Response Operations**		**115**				yes	
	FRO1	flood scenarios different than flood inundation map			15				
	FRO2	plan identifies flood response tasks and responsibilities, supplies, resources, etc.			35				
		a. identifies flood response tasks and responsible staff				5			sum of a through d
		b. estimates number of personnel needed for each task				10			sum of a through d
		c. estimates time required for each response task				5			sum of a through d
		d. list of equipment and supplied expected				15			sum of a through d
	FRO3	specific actions are eyed to different flood levels on flood inundation map			25				
	FRO4	maintaining database of people with special needs			10				
	FRO5	includes special instructions (see manual)			15				up to 15 pts
	FRO6	identifies actions that support property protection measures response/recovery			20				
612.d	**CFP**	**Critical facilities planning**		**75**				no	up to 75 pts
	CFP1	flood warning and response plan include (1) contact info & (2) early/special warnings			25				
	CFP2	critical facilities have their own flood warning and response plan			50				
612.e	**SRC**	**Storm Ready Community**		**25**				no	
612.f	**TRC**	**Tsunami Ready Community**		**30**				no	
620 Levees			***235***						**RELATED ACTIVITIES:** 621.b(5) as p/o PPI credited to 330, LFR similar to 610 (FTR) & 630 (DFR),LFW similar to 610 (EWD) and 630 (DFW), LFO similar to 610 (FRO) and 630 (DFO), LCF similar to credits in 610 & 630, one exercise can meet requires of 610, 620, and 630 prerequisites
622.a	**LM**	**Levee Maintenance**		**95**				yes	
	LM1	annual inspection and maintenance of levee system			50				need credits in LM1&LM2 to receive LM credits
	LM2	levee agency's emergency action plan			45				need credits in LM1&LM2 to receive LM credits
622.b	**LFR**	**Levee Failure Threat Recognition System**		**30**				yes	
	LRF1	monitoring			15				
		a. monitoring flood conditions				10			a and b
		b. monitoring flood conditions along the levee				5			a and b
	LFR2	monitoring levee conditions			15				
622.c	**LFW**	**Levee Failure Warning**		**50**				yes	
	LFW1	plan includes pre-scripted messages, guidance for staff, specific triggers			5				
	LFW2	public message includes info on expected flood elevation			5				
	LFW3	outdoor voice-sound system or fixed siren			10				
		a. primary/secondary support agencies for door-to-door/mobile warning (or)				2			either a or b
		b. plan identifies routes, procedures, staff, equipment for mobile warning				10			either a or b
	LFW5	Emergency Alert System through all channels/stations with pre-scripted message			10				
	LFW6	phone warning to residents and businesses is used			10				

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
	LFW7	major facilities have at least one automated back up system for warning			10				
622.d	**LFO**	**Levee Failure Response Operations**		**30**				yes	
	LFO1	scenarios of what could happen if failure or overtopped			10				
	LFO2	plan identifies response tasks and staff involving response			10				
	LFO3	database of people with special needs			5				
	LFO4	resources			10				
		a. summary of estimated staff, equipment, supplies, and task response time				5			a and b
		b. identify sources of necessary resources				5			a and b
622.e	**LCF**	**Levee Failure Critical Facilities Planning**		**30**				no	
	LCF1	critical facilities planning			15				
		a. plan includes critical facilities				5			a,b,and c
		b. contact information of critical facilities operators				5			a,b,and c
		c. special warning or early notification for critical facilities that need such warn				5			a,b,and c
	LCF2	critical facilities with their own levee response plan			15				
630 Dams			***160***						**RELATED ACTIVITIES:** 330 (OP-PPI), DFR similar to 610 (FTR) & 620 (LFR) and should be closely coordinated, DFW similar to 610 (EWD) & 620 (LFW) and should be closely coordinated, DFO similar to 610 (FRO) & 620 (LFO) and should be closely coordinated, DCF similar to 610 & 620 critical facilities approach and should be closely coordinated, annual exercise prerequisite. For 610, 620, & 630
632.a	**SDS**	**State Dam Safety Program**		**45**				no	
632.b	**DFR**	**Dam Failure Threat Recognition System**		**30**				yes	
	DFR1	primary dam failure threat recognition system			20				
	DFR2	secondary dam failure threat recognition system			10				
632.c	**DFW**	**Dam Failure Warning**		**35**				yes	
	DFW1	plan includes pre-scripted messages, guidance for staff to issue warning			5				
	DFW2	public message includes info on expected flood elevation			5				
	DFW3	outdoor voice-sound system or fixed siren			10				
	DFW4	mobile warning			10				
		a. plan identifies primary/support agencies for mobile public warning (or)				2			either a or b
		b. plan identifies routes, procedures, staff, equipment for mobile warning				10			either a or b
	DFW5	Emergency Alert System through all channels w/ pre script							
	DFW6	phone warning to residents and businesses is used							
	DFW7	major facilities have at least one automated back up system for warning							
632.d	**DFO**	**Dam Failure Response Operations**		**30**				yes	
	DFO1	scenarios of what could happen if dam failure			10				
	DFO2	plan identifies response tasks and staff involving response			10				
	DFO3	database of people with special needs			5				
	DFO4	summary of estimated staff, equipment, supplies, and task response time			10				
632.e	**DCF**	**Dam Failure Critical Facilities Planning**		**20**					
	DCF1	critical facilities planning			10			no	
		a. contact information of critical facilities operators (and)				*			10 pts for a and b
		b. special warning or early notification for critical facilities that need such warn				*			10 pts for a and b
	DCF2	critical facilities with their own dam failure response plan			10				
700 SERIES: COMMUNITY CLASSIFICATION CALCULATIONS									
710 County Growth Adjustment									**Used to adjust credit in 400 series:** Apply CGA to c410, c420, c430, c440, & c450
711	**DU-5**	**Estimated dwelling units in the county five years ago as reported by the US Census**							
	DU+5	**Estimated # dwelling units in the county five years from now as projected by FEMA (AGS Inc.)**							

NFIP CRS Activity/Element Points

Element			*Max. Activity Points*	Element Points | w/PPI	Sub Element Points Breakdown	Individual Sub Elements (1)	Individual Sub Elements (2)	Impact Adjust. IA	Notes
712	**CGA**	**County Growth Adjustment (calculation)**							
712.a	**CGR**	Step 1: establish 10-year County Growth Rate							(DU+5-DU-5)/DU-5
712.b	**AGA**	Step 2. determine Annual Growth Adjustment							AGA=CGR $^{(0.1)}$
713.c	**CGA**	Step 3. calculate the County Growth Adjustment							(AGA x 10) -9 where CGA is not less than 1.00 or greater than 1.50