APPENDIX A: FIELD FORMS

HABITAT IDENTIFICATION SURVEY FORMS

LPRSA Habitat Identification Survey Form

Date: 092010 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:** low 70s

Wind

Surveyor(s): MW, TD, MD, JR, GM **Time and height of low and high tides:** 715 Hi, 1330 Lo

Starting point location (bank, landmarks): LB opposite CPG dock **End point location (bank, landmarks):** RB, RM 8

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
~~0835~~ 0849	saved as wPoints WP1=734136N, 596992E	WP1-2			Bulkhead (steel)	Scr/shr & fore above bulkhead tr= EA CW, tree of heaven sce/shr= katalpa, ~~sumac~~ AA
0858	WP2= 734004N, 596936E WP3= 733801, 596801	WP2-3			Bulkhead (concrete)	same as above
	WP4= 733560 596826 ~~WP4=~~	WP3-4			Bulkhead (steel)	Novegs - Hwy 21 above
0905	WP5= 732181, 596592 ~~WP5=~~	WP4-5		END @ 645	Bulkhead (concrete)	SCR/SHR & FOR above bulkhead CW, katalpa, ~~AA~~ AA, oaks, knotweed, maples few snags, some overhanging veg — elm — whitebark
0915	WP6= 731767, 596458	5-6 (@ Union St. Bridge)			~~Mixed Veg~~ ~~Riprap~~ Riprap/ Mixed Veg	Overhanging veg. - maples Riprap at water's edge to Union St. Bridge

EA CW = Eastern cottonwood
AA = tree of heaven
JA KW = Japanese knotweed

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	WP7= 731494, 596277	WP5-7			Riprap/ Mix Veg	Same tree/scr/shr species likely Norway Maple, CW Sycamores, ~~ash~~, possible Am Elm* or AA*
						SCR/SHR - honeysuckle*
0930	WP8= 730632, 595983	7-8		1335 = end	steel+concrete Bulkhead/ Mix Veg	FOR/SCR/SHR Black locust CW, Norway, AA, JAP KW, small black locust Snag, overhanging veg
0942	9= 728045, 596923	8-9		1853 (dead tree LWD) 2435 (end)	Mixed Veg, Riprap	overhanging veg Norway, elm?, EAA Sycamore, willow* Snag, Knotweed, LWD (dead trees in water)
						Asiatic bittersweet ash Virginia Creeper
	WP10= 727225, 596810	9-10			(concrete) Bulkhead/ Mix Veg	For: ash?*, AA SCR/SHR = JAP KW, Rose* (multiflora)
1004	WP11 = 726432, 596074	10-11		2930 = end (WP11)	Bulkhead (No veg above, Hwy 21)	Loosestrife in outfall pipe

* grab specimens

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1006	WP12= 724918, 596071	11-12		Rt 3 Bridge = WP12	Bulkhead/ Mixed veg	SCR/shr underhwy 21 = AA, Black locust elm, cw; FOX \ JAPKW
	WP13= 724700, 595917	12-13		3435 = end	"	SCR = JAPKW FOX = AA, oak,
1015	WP14= 724415, 595675	13-14		3610	Riprap/mixed	GBH, KingF = birds obs Same ~~Similar~~ FOX + SCR/ shr as above
	WP15= 724232, 595458	14-15		WP 15 = Lynthurst Conrail, Draw Bridge	mudflat/ Mixed veg	Same tree + shr spp CWD, snags, rocks on mudflat
1019	WP16= 724146, 595280	15-16		16 = 3820	Riprap/ Mix veg	Same spp
	WP17= 724057 595083,	16-17		17 = 3920	mudflat/ Mix veg	Black locust, cw, CWD
1022	WP18= 723956 594991	17-18		18 = Third River	Riprap/ Mix veg	Locust, ash*, sycamore, elm, oak (white?) KingFisher, Rock Pig Snags, overhanging veg

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	~~18~~ WP19= 723825 594201	18-19		4300 = WP19	Bulkhead (3rd Riners) Mudflat	veg on top of bulkhead = cw, JAP KW locust, snags
1030	WP20= 723694 593756	19-20		4420 = WP20	Bulkhead/ Mixed Veg	oak, maple, AA, JAP KW
1033	WP21= 720904 592068	20-21		5225 = WP21	Bulkhead, Mixed veg	kingfisher (same?), turtle sunning, GBH (same?) cw, AA, locust, maple, willow, sycamore, cw, elm purple loosestrife, JAP KW katalpa
						snags grows in between cracks along wall veg gets very sparse along Hwy 21 silktree (mimosa) (not dominant, but more common)
	WP22= 720508 592050		WP21 = Nutley Boat Ramp			loosestrife increasing LWD (down trees in water) silk tree = ↑ in dom
1041	WP23= 719711 592058	21-~~22~~ 23		WP22 = DeJessa Bridge 5035 = end	Bulkhead/ Mix Veg	AA, JAP KW, willow, maple, elm*, locust overhanging veg, down tree
END OF TAPE 1						
1057	WP24 718841 591813	23-24		210 = end	Riprap/ Mix Veg	AA, Maple, willow, katalpa, sycamore, ash* cw, JAP KW snag, overhang, LWD

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1059	WP25 = 712985 590314	24-25		along Hwy 21 under powerlines	Bulkhead, Mix Veg	Loosestrife growing out of bulkhead cracks AA, JAPKW = SCR, gulls, RoRg Barn Swallows? Black locust (tree) mimosa, maple, catalpa
		↓		↓	↓	trees become more dense after powerlines oak, maple, ash, elm, sycamore snags, BWD (down trees)
	WP29 = 709292 589463	↓		↓ 1230 = end at WP25	↓	JAP KW + Rose veg gets sparse again by Hwy 21 RWBB
1106	WP26 = 711938 589792	25-26	1420 = end of WP26		Bulkhead next to Hwy 21	No veg except few shrubs growing out of wall
1108	WP27 = 711443 589547	26-~~28~~27 (WP28 = Rt 7 Bridge)		1552 = WP27	Riprap/ Mix Veg	loosestrife, JAPKW, AA, elm? mimosa, locust
1113	WP28 = 711547 589604	27-29	confluence w/ 2nd River ↓ 1910 = WP29 mudflat		Bulkhead along Hwy 21	No veg except for few plants growing out of wall
	WP30 = 709193 589429	29-30			mudflat at ~~Bulkhead~~/ ~~Mix Veg~~	confluence of 2nd River (just upstream) Bulkhead alone

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	WP31= 708642 589462 WP32= 708056, 588938	30-31		2055= WP31	Bulkhead/ Mix	AA, JAPKW,
1121	WP33= 707532 588432	31-33	WP32= CONCAL w. Arlington Drew Bridge	2355 = WP33	Bulkhead along Hwy21	No veg
	WP34= 705730 587155	33-34		[extends from WP32 to 33] = Mudflat 2715= WP34	bulkhead/Riprap ~~Mix veg~~	Dcco perched on piling gulls, egrt JAP KW on top, AA, maple, Syc, Will Snags, LWD, very narrow band of veg
1130	WP35= 705423 587154	34-35		2815= WP35	Riprap/ mix veg	Same dom spp, snags, LWD debris on shoreline pilings in water
1131	WP36= 704452 586883	35-36 ~~338~~		WP38= 3745	Bulkhead (shell, concrete, wood)	few trees on top of bulkhead AA, katalpa, locust, JAP KW
1135	WP37= 703094 585998	36-37			Mudflat (below bulkhead)	gulls
1143	WP38= 701176 585066 WP39= 700456, 585019	38-39			Bulkhead	No veg

Dcco = double-crested cormorant

Will = willow

Syc = Sycamore

JAP KW = Japanese knotweed

underlined = dominant (#1)

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1145	WP40= 700044 585009	39-~~40~~42	WP40= Rail ~~raised~~ bridge, permanently raised		Bulkhead, Riprap	Sparse veg on top of bulkhead (JAP KW, AA)(Princess tree?) Snag
	WP41= 698771 584795		WP41 = Clay St Bridge WP42=1252			
1152	WP42= 697940 584~~[illegible]~~670	42-43	280 Bridge = WP43 WP43 = 4312		Mudflat w/bulkhead + sparse veg on top	
	WP43= 697701 584636	43-~~43~~44 =	Newark/Hanson Bridge Rail Bridge downstream of 280 Bridge		Bulkhead	in B two bridges
1158	WP44= 697308 584622	44-46	WP44=4730 WP45= Bridge St Bridge		Bulkhead	Sparse veg on top of bulkhead same spp AA
1245	WP45= 696632 584648	~~47~~46-50	WP49 = Amtrak bridge		Bulkhead	grass, sparse veg above bulkhead
	~~WP~~WP46= 694901 585118	47-48 ~~46-49~~	WP50 = Jackson St Bridge ↳ 5235		Mudflat below FBI	some sections, ~~trees are pleasant above~~ Bulkhead above (AA,

WP47 = 694524, 585212
WP48 = 694330, 585249
WP49 = 693167, 585909
WP50 = 692224, 587592

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1254	WP52= 692894 590660	~~51~~ 50 - 52		57:30 = WP52	Riprap/ Mixed Veg old bulkhead	AA, Sycamore, same spp as all day
	WP51= 692451 590082	50 - 51			mudflat	from bridge to concrete wall somewhat steep in areas
1305	WP53= 693550 590960	52 - 53	WP53 =	01:20	Bulkhead	sparse grasses + small herbaceous (unid) on top, small snags some phragmites on top, AA, large cw tree
1308	WP54= 694210 591339	53 - 54			Riprap/ MixVeg on top	Ash, AA, cw, syc. snag Herb = common spp may be (Amaranthus) spp.
	WP56= 694597 591729	54 - 56	WP56 =	04:~~27~~	Bulkhead	
	WP55= 694370 591438	55 - 56			Mudflat below bulkhead	
	WP57= 694782 591991	~~54~~ 56 - 57			Riprap/ Mix	

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	WP58= 695069 592795	57-58			Mudflat	Diamond Alkali site
1318		57-58			Bulkhead	" Sparse veg on top of bulkhead
	WP59= 695113 593602	58-59	WP59= 0903		"	"
	WP60= 695152 593874	59-60			Mudflat (bulkhead above)	sparse herb veg on top = mugwort amaranthus pigweed mystery shrubbery
		59-60			Bulkhead	
	WP61= 695190 594525	60-61			Bulkhead	sparse w/ herb veg on top
	WP63= 695287 594390	61-63			Mudflat &	to Bridge

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	WP62= 695314 595825	61 - ~~63~~62 ~~WP62~~			Riprap/ Mix Veg	Jap kw, Mostly scr/shr + herb veg Mugwort Pgweed few trees gulls
		62 - 63	WP 63 = ~~Morris Canal~~ Turnpike/Bridge		Veg + Mudflat	Phragmites above mudflat
1337	WP64 = 695064 597148	62 - 64	WP 64 = 19:00 on tape WP64 = Pt NOPt Bridge		Mudflat w/ Herb veg above	Phragmites, Mugwort, Amaranthus
1337	WP66= 694332 597991	64 - 66			Bulkhead	ducks, gull sparse veg on top (AA trees + shr) patches of herb veg (mugwort)
	WP65= 694710 597675	65 - 67	WP67 = Pulaski Skyway		Mudflat	Egret on mudflat wood debris rocks ends at Morris Canal Spartina patch at M Canal Phragmites
	WP67= 693027 598103	67 - 68	WP68 = Truck 1+9 Bridge		Mixed Veg w/some riprap + narrow mudflat	scr/shr, few trees AA, Japkw
1346	WP68= 691871 597912	68 - 69			Riprap	Sparse herb veg on top of bank Mugwort

WP69 = 691260, 597777

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1349	WP70= 691019 597729	69 - 70			Bulkhead/ riprap (where bulkhead fell apart)	Sparse veg on top
	WP71= 690236 597513	70 - 71	WP71= 28:00		Mudflat Riprap behind/above	Gulls
	WP72= 684375 596 ~~882~~ 883	71 - 72	WP72: 37:45		Riprap + Bulkhead	Sparse veg on top, few LWD end LB @ Pass Valley Slum
	END OF	LB SURVEY	—	START OF	RIGHT	BANK @ Kearny Pt
	WP73= 685913 598608	73 - 74			Ag Veg	Kearny Pt Spartina, Phrag ~~trees~~ up above Canada Geese gulls
	WP74= 686326 598224	74 - 75			Riprap (some bulkhead mixed in)	Small patch of Phrag/Spartina (~~only~~ <20') No veg on top
1419	WP75= 688520 597357	75 - 76	50:15 = Truck 1 + 9 Bridge		Bulkhead	No Veg end transect at upstream of bridge (Anna Marie)

WP76= 693806 598919

51:35 = Pulaski Sky way

mugwort ~~AMA~~ horseweed: goldenrod AA

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1429	WP77= 695604 595240	76 - 77	WP76 = 53:40		Riprap/ mixed veg, on top	CW, AA, mugwort, JAP KW, Phrag patches, dark brown; pilings (DCCO)
			PT NO PT Bridge = 57:45 Pulaski Skyway = 58:30		Bulkhead	DCCO Small sections of bulkhead interspersed
1440	WP78= 695302 592766	~~77 - 78~~ 78			Bulkhead	sparse Herb/Sur/shr on top Goldenrod, JAP KW, mug, small AA, Phrag
	WP79= 695167 592463	78 - 79	06:10 = WP79		mudflat	
	WP80= 695024 592069	79 - 80			Aquatic veg	Spartina + Phrag above ~~riprap~~ rocky shoreline
	WP81= 694727 591457	80 - 81	81 = 07:40		Mixed Veg	" " few trees (CW, Locust) mostly sur/shr = Phrag, JAP KW,
	WP82= 694939 591107	81 - 82			Riprap/ Mixed veg	kingfisher - fishing in water Black locust trees, oak

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1449	WP83= 692709 5~~78~~89816	82 – 83	83 = 12:05		Mudflat	Small channel Ag Veg = Phrag, Spartina
		↓	↓		↓	Backed by trees (cw, locust, JAPKW) GBH on mudflat, mallard Goldenrod = EM veg, mugwort
	WP84= 692549 588 803	83 – 84	84 = 13.40		Mixed Veg	Rocky shoreline snags, pilings Katalpa + Black locust dom Same tree, shrub, herb spp
	WP85= 692529 587 781	84 – 85	15:50 WP85 = Jackson St Bridge		Mudflat	Gulls large wood debris, pilings SCR/shru veg above (JAPKW + small AA)
	WP86= 692386 587238	↓	↓		↓	EM = mugwort, Amar, goldenrod tree = AA, Maple,
1459	WP88= 696424 584855	85 – 88	WP88= Bridge St Bridge WP86 = 16:50		Bulkhead (small sections of rippap)	Past Bridge (up stream) No Veg few trees growing out of it (Katalpa, AA, princess tree, elm? ~~cw~~ locust)
	WP87= 692842 586 363	86 – 87	WP 87 = 18:40		Mudflat	Below bulkhead Gull

Amtrak Bridge = 19:20

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1510		88 – 280 Bridge coordinate	WP88 = 25:00	Newark Harr Br = 26:~~1520~~	Riprap	sparse veg. Katalpa, AA, JAP KW, locust
		WP43	280 Bridge =	26:50		Canada Geese, Gull
	WP89 = 700806 585274	280 Bridge (WP43) ~~89~~ – 89			Bulkhead	No – sparse veg on top of wall ↳ same list as above
				30:45 = Newark Sucks Bridge	(small parts of riprap)	oak, Black locust, AA, JAP KW, CW Dom SHR
1520	WP90 = 701588 585464	89 – 90	WP90 = 34:30		Mudflat	Rocky shoreline + Mix veg above CW, ash, AA = tree JAP KW = SHR GBH Herb = Amar, Miag = ~~HERB~~ = AA
	WP91 = 702481 585832	90 – 91			Riprap/wall	sparse veg above
	WP92 = 703121 586337	91 – 92	WP91 = 36:05		Bulkhead	No veg – Sparse, few trees on top of wall

GBH = Great Blue Heron

purple loosestrife

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	WP93= 704812 587204	92-93	Keany Boat Ramp = 38.15 - 38.25		Mixed	Rocky shoreline, pilings trees = locust, AA, Maples
						Groundhogs (2) JAPKN
	WP94= 706506 587968	93 - 94	WP94= 44.10		mudflat	Rocky shoreline + mixed veg above. maple, willow, ash, AA, locust, katalpa, JAPKN
1536		94 - 96			Riprap/ Riv Veg	Snags, rootwad, LWD, Rocks Some tree list above JAPKN = SHR
			47.30=	Conrail w. Arlington Bridge	↓	Purple loosestrife @ dock kingfisher Box elder, willow oaks, locust, sycamore, elms, maple AA, ash
	WP96= 711305 589688					Overhanging veg, LWD
1552	WP95= 710912 589630	95 - 96	5240		Mudflat	

may be continuing in floodplain habitat (pink 5) appears to continue upland

END OF SURVEY 09.20.10

LPRSA Habitat Identification Survey Form

Date: 09.21.10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:** low 60's

Surveyor(s): MW, TD, MD, JR, GM **Time and height of low and high tides:** 900 Hi, 1415 Lo

Starting point location (bank, landmarks): LB, ~RM 35 opp CPP dock **End point location (bank, landmarks):** Dundee Dam

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on ** Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
0823	~~97~~ WP97= 734138, 596989	97 - 98			Mixed	Forested= Black locust, maples, CW, AA
	WP98= 734883 597276	98-99	WP99=06:00		Bulkhead/ Mixed	Same forested, transitioning to shrub dom. JAP KW, small AA = shrub snags, downed tree
0833	WP99= 736102 597331	99 - 100	06:55 WP100= Main Gregory Ave Bridge		Mixed	willow, maple (silver), CW,
	WP100= 736408 597252	100 - 101	WP101= 07:40		Bulkhead	Small shrub = elm, JAP KW
	WP101= 736509 597220 WP102= 736791, 597134	101 - 102			Mixed	For= AA, Maple (NOR) + silver, princess tree, snags, overhanging

** Waypoints

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	WP103 = 738071 597427	102 - 103	WP103 = Dundee Canal Raceway		Bulkhead	Sparse trees + shrc = AA, maple (Nursery - many trees/shrc above
	WP104 = 738442 598281	103 - 104	WP104 = 16:00	2nd St. ~~3rd St.~~ Bridge	Bulkhead	Mute aster - looking flow = ~~with Snakegrass~~ Boneset JAP KW
						FOR = Syc, maples, elm, AA Princesstree
0848	WP105 = 738965 598563	104-105			Bulkhead	Sparse trees/shrc/herb maple AA PL
	WP106 = 737348 599392	105-106	WP106 = 21:40		Mixed	FOR = ELM, CW, willow, maple, AA, locust Snags, GBH, overhanging veg.
						Small areas where shrubs dominate AA + JAP KW + Locust
	WP107 = 737118 599382	106 - 107			Bulkhead	Few trees above (oak, AA)

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
		106-107	WP107 = 22:45		Mudflat	JAPKW, PLOOSE & ulsne
	WP108 = 736864 599508	107-108			Mixed	FOR/SCRUB = CW, oak, Box elder SHR = JAPKW
0901	WP109 = 736732 599722	108-109			Bulkhead	Line of tree + shr = CW, AA, locust, maple
	WP110 = 736752 600206	109-113	26:35 = WP110 = ~~MAIN AVE~~ 8th St Bridge		Mixed	Small trees = katalpa, AA, willow, after Bridge, larger trees: AA, oak (Black?), elm, nannyberry
	WP113 = 741813 599094					shr = JAPKW = small pockets GBH, katalpa, AA, willow, Box elder, locust, maple, syc. LWD: downed trees, lots of overhanging veg, snags
	WP111 = 740134 600013		WP 111 = Passaic St. Bridge = 39:50			= pocket of Hickory?* smooth, ridgy bark (grey) shorter stature tree (not canopy) Small pockets of herb = boneset, snakeroot?, PL
	WP112 = 741593 599308		WP 112 = 2 Bridges @ RM16 (Monroe St Bridge) → 40:05			Small section of wall with overhanging veg (park)

Syc. = Sycamore

Birds: 6 in mixed: Robins, BASW, GBH,

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
0942	WP114 = 742068 598850	113 - 114			Bulkhead	Sparse trees on top; maples + oaks pockets of herbs sticking out of wall = Pr
		~~114~~	END OF LB TRANSECT, START RB Transect			
0947	WP116 = 738234 597796	114 - 116	Monroe St Bridge = 53:20		Mixed	Mallards, MeDo(+) Norway Silver FOR = willow, Syc, Maple, katalpa, AA, elm SHR = JAP KW, willow, dogwood (Redosier?) Box elder?
	WP115 = 739609 602700		RR trestle = 53:40 ~~Dassance St Bridge~~			downed wood, LWD, Snags lots of willows in water (dead + alive) SHR = PA, JAP KW
			Saddle River = 04:15 (TAPE 6) = WP115 8th St Bridge = 17:40			HERB pockets = snakeroot, pokeweed (Purple) (understory) jewel-weed Virginia creeper
			Small boat ramp = 24:25			Tree (cont'd) = CW, ash?*, locust small patch of bulkhead upstream of 8th St. Bridge willows - black? yellow?, weeping (not as common)
			2nd St Bridge = 28:00 — mallards WP116 = 30:00			

* = test example photo

(+) Warbler (yellow?), kingfisher, ground hog

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1040	118= 736686 597304	116 - 118			Bulkhead	Sparse veg - trees (CW) PL sticking out of wall
	117= 737278 597398	116 - 117			Mudflat	tree cover increases = same list as above GBH, Gulls Canada Geese on mudflat
			WP118 = 35:40			downed tree over bulkhead Snag = wall ends at snag
1047	WP119 = 734053 597125	118 - 119	Main St Bridge = 37:00		Mixed	Tree cover - same list as above Pockets of stre = JAP KW - w/ no tree cover - OR w/ in tree cover Snags
						other herb = PL, snakeroot, pokeweed tree list cont'd = hickory (or walnut)*
1057	120= 733611 596995	119 - 120	WP120 = 44:55		Bulkhead	CBG Field facility
1143	121= 733457 596943	120 - 121	WP121 = 45:20		Mixed/Riprap	CW

CW = cottonwood
PL = purple loosestrife

Birds: Robin

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	122= 732778 596814	121-122	WP122= 27:00		Bulkhead	Narrow band of trees on top cw, maple, AA
1140	123= 729576 596609	122-123	Unionst Bridge=49:20		Mixed	FOR (Narrow band): Cw, locust, elm, oak (red?) maple, willow, ash?, ~~katalpa~~ sycamore down wood, snags,
					↓	Shr level= katalpa, AA, willow Understory maples = silver + norway
		123 ~~124~~			Bulkhead	Residential wall ~100' long
	124= 728938 596873	123-124			Mixed/ Bulkhead	Small pockets of residential wall in various states of disrepair FOR → narrow band of trees (sanicl/ista dsave)
	125= 728436 597079	124-125			Mixed	FOR: oaks downed wood/LWD
1204	126= 727655 597062	~~125~~-126			Riprap/Mixed/ Bulkhead	Pockets of residential - shr= PL, dogwood ornamental grass

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1209	127= 727428 596998	126 - 127	WP 127:	7:00	Bulkhead	Neveid Boat Club Herb cover above wall - PL, ragweed? ~~yellow~~
	128= 724705 596227	127-128			Mixed/Riprap/ Bulkhead	Mostly mixed, riprap pockets of ~~bulkhead~~ to residences - Narrowband of trees, residential plantings
			Rt3 Bridge = 17:30	= WP128		Tree = Elm, oak(black?), syc, CW shr/under = Box elder, JAP KW, willow Overhanging veg, downwood, few large rocks,
1227	129= 723348 593409	128 - 129	Conrail Lynnhurst bridge =	20:10	Mixed/Riprap	same as above LWD, logs, roots, branches Snags shr/under ~~trees~~ cont'd = katalpa, ash?, AA, ~~weeping willow~~
						trees cont'd = maple, locust
1235	130= 722879 592710	129-130			Mudflat	Riverside Park just downstream of boat ramp Canada Geese on mud
	131= 721564 592338	129-131			Mixed	Overhanging veg, LWD, down trees, snags large rocks FOR - same list above Park = Not many shrubs, pockets of shrubs understory

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1242		130-131			Mudflat	large Rocks, LWD, overhanging veg, down trees pockets of phrag above, large patch at WP131 (~40' long)
	1322 720440 592244	131-132	DEJESSA=36:30		Riprap/ Mixed	Narrow band of trees = all locust steep banks shrubs pockets = JAP KW
	133= 719853 592216	132-133	WP133 = 37:30		Bulkhead	NOVEG
	134 = 719169 592223	133-134	WP134 = 39:00		Riprap/ Mixed	Sparse trees (locust, cw) + SHR (JAP KW, katalpa)
	135= 717572 592056	134-135	WP135 = 43.54		Mudflat	kingfisher LWD, Rocks, overhang, downed, snag EGRET
	137= 716697 592318	134-137			Mixed	TOR = AA, cw, willow, locust SHR = Small pockets = AA, locust, willow small patches Herb = PL, ragweed, yellowadtex (ragwort?)
	136=717060 592213 138=716395 592414	136-138	WP136= 45:35		Mudflat	wide mudflat w/ patches of aq plants
		137	46:40			Patch of Phrag under powerlines

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
	139= 716197 592423	137 - ~~140~~ 141	WP 141 = 57:35		Mixed/ Riprap	For = CW, same tree spp as above snags, LWD, shr = willow, AA
	140= 713685 591013		PVSC Boat ramp = WP 139 48:35 WP 140 = mudflat, small		↓	trees cont'd = patch of elms, cw, locust, maple patches of JAP KW, AA, elm Rat, duck = wildlife
	141= 713241 590714	141 - 142	~~WP~~		Riprap/ Mix	Bordering park shr dom = JAP kw line of spruces bordering park
	142= 712051 590037	141 - 142			Mudflat	aq plants above = PL, Typha, ragwort?
1317	143= 711341 589709	142 - 143	Rt 7 Bridge = 01:20 END @ 01:55		Mixed/ riprap	trees density increases same list of trees
1324			at Kearny/Nutley Hts Boat Club/Ramp mudflat → covered 09.20.10			
			END OF Transect			

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1445	144= 744299 598020	144	~RM 16.5 04:15	- END OF TRANSECT	Mixed	LB - For - CW, maples, AA, willows down trees, cobbles, LWD
					Bulkhead	
					Mixed	~~CW~~ same tree + habitat features as above
					Mixed	RB - island - floodplain habitat maples (silver, ~~norway~~), elm down wood, LWD
						Canada Geese
1455	145= 746119 597029	145	~RM17 4:20 - 6:25	Fort Ford	Mixed	RB - ~~CW~~ For - Silver Maple, locust, Elm, katalpa Shr - patches of JAP KW, katalpa Herb - patches of boneset, pokeweed? island + LB - For - Likely maples, same Shr.

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
						RB elm, sic, mostly silver maples. understory – Jap kw → katalpa
						tree cont'd – CW, Norway maple Herbs cont'd – boneset, snakeroot, pickerweed
						poison ivy
	WP146 146 = 746602 596142	RM 17.2 – 17.4	06:30 – 08:45		Mixed Both banks	Flood plain habitat Same list of trees + shrubs – dom = silver maple CW
						island below dam mallards, egret, geese understory / SHC = willow, katalpa,
						Habitat features = downtrees, LWD, shallow shorelines, sections of sand beach, large rocks, cobbles
						snags, islands

END of Transect

LPRSA Habitat Identification Survey Form

Date: 09-22-10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:** 70s

Surveyor(s): MW, TD, JR, GM **Time and height of low and high tides:** Hi @ 0850

Starting point location (bank, landmarks): 2nd River **End point location (bank, landmarks):** Saddle River Arcola Pool Site

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
0835	Second River Belleville Site WP 147 –		TAPE 08:45 - 09:40 – end of transect	(Note: this is Second R. Passaic Site)		Riverside site - park w/ walk along river
	709883 587505					LB - Bulkhead w/ building above. RB - Bulkhead w/ River walk above
						LB - willows, AA, JAP knw RB - Row of willow oaks, ornamental cherries along top
		NOTE (This is Second R. Belleville Site)				Habitat notes: the walk downed wood in stream, cobbles minimal overhanging veg.
0852	Second River Bloomfield Site WP148 -	711691, 584665		LB & RB } Bulkhead, cobbled river bottom along both banks – trees: Scarlet Oak, Elm, Sycamore, cherry trees		

TAPE = 09:40 - 11:00

Mixed veg

Understory = planted cherry trees, top of bank = small cherry trees, grass, walkway

1 of 9

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
0921	Second River Mills Site (This is Second R. Bloomfield Site) WP149	- coordinates		- LB + RB of stream = bulkhead, sandy cobble substrate - some overhanging vegetation - maintained lawn on top of Left bank (at bridge)		
	712930 578530	recorded close to target site		- Morris Canal Site ~~Both sides~~ LB - larger trees canopy - maple (Norway), sycamore, Black locust ~~sub/stor~~ - sparse shr/herb layer - grass, small maples, JAPKN, ivy (dirt)		
		END - 12:05		- at coordinates (WP149) - access road/parallel to stream on LB looks like active dog walk on RB, residences, fenced backyards		
0945	Second River Watsessing Park WP150			- LB = Bulkhead / steep bank - RB = Bulkhead - cobble, gravel, sand substrate		
	712473 575416	start tape 12:10 end tape: 13:30		- overhanging veg, concrete debris, large rocks - just downstream of rail bridge		
				- For canopy = predom closed Elm, Nor maple, Scarlet oak SHR/SCR/understory = small maples, JAPKN, small elm		
				- concrete pathway ~~to~~ parallel to RB		

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1015	Second River Mills site WP151 =	TAPE: 13:35 start		- Just under bridge, upstream of bridges - steep banks but no bulkhead		
	717467 573140	14:55 end		- LB - steeply descends from residences at top of bank (~150' above) Both banks { - large canopy trees = Norw Maple, Scarlet Oak, locust - sparse understory = small elm trees, JAP KN, maple		
				- Substrate = cobble, gravel, sand, - debris (garbage), concrete debris		
				- some overhanging veg - not dense - some LWD, ~~SA~~ mostly small branches		
				- Robins		
1041	WP152: 709256 569945	Second River Wigwam Brook TAPE = START - 15:00 END - 15:55		- Just downstream of N Park St, bridge on St. - Bulkhead on both banks - RB - grass/lawn		
		Gray Catbird		- large ash on lawn - LB - sparse smaller trees - maples, katalpa, ash, AA - fence along LB		

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1110	WP153:	Third River Clark Pond Site (Country Club) START TAPE = 16:00 END TAPE = 16:55		- @ Bridge on Road - Looking downstream		
	722952 577289			- at coordinates - ~~the~~ - For - maple	- Mixed Veg, shallow banks (Norway, silver) ash	
	Note: this is the Glen Ridge Country Club Site			- Downy woodpecker - understory -	Rose (multiflora), Snakeroot, small maples, jewelweed, viburnum (arrowwood)	
				- substrate - sand - LWD on banks, concrete debris in water		
1134	WP154: 719920 577318	START TAPE 17:00 END TAPE: 18:30	JFK Parkway Site (Third River)	-	bulkhead both banks	
				-	canopy trees - Elm, maple	
				-	understory - All JAPKW	
				-	substrate - large cobble, silt/sand	
				-	ducks, geese	
				-	park surrounding brook upstream on RB & downstream LB downstream - fenced shoreline, businesses.	

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1206	WP155: 718049 579688	Start tape = 18:35 end tape = 19:55		- RB - at edge of parking lot in apartment complex - ~~can~~ canopy trees - Nor maple, oak (red), ash, silver maple		
	Third River Forest Hills Field Club * can't get to actual point due to fence/gate			- understory = honeysuckle (tart.) JAP KNE - snag - cherry tree		
				- lawn leading up to veg - steep banks + bulkhead (small section)		
1232	WP156: 725633 580781	3rd River Clarks Pond		- LB - edge of ball fields - appears planted w/ riparian veg - path along shoreline		
		START TAPE: END TAPE: 21:00		- pond ~~looks~~ is dammed - Canada Geese		
				in water = - shoreline veg = iris, typha, thistle, duckweed, PL, ~~tall~~ smartweed / lady's thumb, polygonum?, goldenrod (in water)		
				RB - trees - closed canopy, some overhang veg + LWD pink + common (white) smartweed too to distinguish spp - likely maples dame's rocket? - yellow		

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1311	WP157: 734445 578445	3rd River Bansal Wildlife Preserve		Mixed	LB — Ash, maple, — steep bank, up to residences, not much understory growth on slope.	
		START TAPE = 21:05 END TAPE = 22:05			— small path on LB side RB — canopy trees - ash, maples,	
		(at bridge)			— understory — JAPKW, spicebush small creek coming in on RB	
					substrate — cobble, gravel, sand ~~sand~~ streambed	
					small branches = wood debris overhanging veg. wide streambed, riffles, small pools	
					few large trees down on bank. exposed roots ~~roots~~	

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1413	WP158: ~~727443~~ ~~591276~~	3RD River Clifton Pond Site (~~at bridge on road~~) ~~behind fence~~ – near Costco (RB)			LB - steep banks, JAP KW RB	
	727906 592297	Start tape: End tape: 23:10	– R13	on LB, other side of commercial prop	LB – sparse tree cover RB – dense, but narrow strip of tree cover Tree = Red maple, oak (scarlet?) katalpa, willow, syc	
					Shr = multiflora rose, poison ivy	
1511	WP159: 738945	~~Third River Mouth~~ Saddle River Oxbow Site behind fence in apartment			steep banks canopy – ash, locust, cw, willow, maple sparse understory – poison ivy	
	601962	start: ~~Take start~~: end: ~~end~~:	23:15 24:15		sparse WD, large rocks on shoreline (riprap?) some Branches down	
	could not get access behind fence					
1528	WP 160: 741080 603503	Saddle River Felizian College South start: end: 25:20		Forested	– Gr. Catbird, mallards – Trees → Syc., Locust, Silver Maple, elm, Nox maple – Understory = sparse – poison ivy, Ash, patches of snakeroot – down wood – small branches – substrate – cobbles, gravel sandy bar on RB	

behind fence at edge of OBal Hall parking lot
Private – spoke to security inside for permission

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
1541	WP161. 741305 604476	Saddle River Lodi Cemetery (close to the spot, approx 200ft downstream on private			- steep banks	- sparse trees on edge of cemetery Red maple, cherry, ~~scarlet~~ oak (Red?)
	300ft from target	college/cemetery property) opposite Lodi DPW garage				Hickory very few shrubs - snakeroot + JAP KW, some ornamental shrubs - large patches of JAP KW
		start: 25:25 END: 26:50			- cemetery grass	- silt/sand bottom - lots of debris, tires, not much LWD
						- saw several carp, few bass - Robins, Gr Catbirds
1746	WP162: 771618	Saddle River County Park Site start: 26:55			- substrate - soft, mud, sand, some cobbles	- JAP KNOTWEED = almost 100% - MAPLE, ash = 2 trees on shoreline
	602481	end: 27:40			- dark trees, branches	
1810	WP163. 767076 604609	Saddle River Arcola Pool Site start ~27:45 end: 29:15			- large pool site - man-made pond/pool? - sand substrate - large patches of phragmites	

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
		Saddle River Arcola Pool Site cont'd			- weeping willow, few AA - ~~ragweed?~~ - in water - large concrete structures	
					- larger canopy trees bordering the site, likely maple, ash, willow	
			END OF SURVEY FOR 09.22.10			

LPRSA Habitat Identification Survey Form

Date: 09-23-10 **Weather:** (Sunny) (Partly Cloudy) Cloudy Precipitation **Temperature:** Low 70s

Surveyor(s): MW, TD, SO'Hare **Time and height of low and high tides:** 900 @ Hi, ~~815~~ 310 pm Lo

Starting point location (bank, landmarks): Third River Mouth Site **End point location (bank, landmarks):** Third R. Mouth Site

Habitat Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Habitat[c]
0827	WP 164: 725002 593845	TAPE Start: 29:20 End: 30:30	THIRD RIVER MOUTH SITE (200' downstream of mark because can't access shoreline at mark)		– LB – Fox + scr/site – overhanging veg.	
					– RB – paved, fenced walkway (planted) along riverwalk – scr/site – JAPKW, AA, privet – elm	
					LB – tree → maple, willow, sycc, locust, elm, cw LB – understory – willow	
					LB – virginia creeper? LB – overhanging veg, small branches down	
					– can't see substrate of river	

End of transect

HUMAN ACCESS/EXPOSURE IDENTIFICATION SURVEY FORMS

West Bank

Sheetpile/ Bulkhead, RipRap, Vegetation, Concrete

Thai is taking note of shore in transects.

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10 8:30AM **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:** 65° F

Surveyor(s): M. DUGAS + WINOWARD (T. DO, M. WELSCH) **Time and height of low and high tides:** High tide

Starting point location (bank, landmarks): CPG DOCK **End point location (bank, landmarks):** Hampton Inn

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

09/20/10 West Bank

Date/ Time	Coordinates (Easting/Northing US ft.)	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
8:30	734017.29N 597036.39E	CPG Dock Ref Point	# ~~274~~ 457	Begin Video.	Steel Bulkhead w/ Vegetation	None on W. Bank (~4ft to water) CPG Boat Dock on E. Bank
8:54	734004.94N 596938.07E				Concrete w/ Vegetation	Concrete slope ~35° ~~Bridge above on rp~~
					w/ a little bit of rip rap	Small patch of riprap w/ scattered rubbish. No visible sediments
8:57	733838.16N 596876.55E				Steel bulkhead Cement B.H. mix	Road directly above bulkhead (guard rail) Vegetation on bank as well
9:08	732194.93N 596597E	Bridge	#~~1~~ 2443		Bulkhead turns to riprap	No human access Mixed Vegetation overhanging
9:15	731816N 596471E	Union St Bridge	# ~~243~~ 458 # ~~242~~ 459	Small clearance for access through veg. noted just upstream of bridge		RONER noted on water 9:14am Just below bridge

Went to bridge + turned around downstream

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

[c] Notes on human access/exposure may include:

- Characterization of accessibility of shoreline, such as the presence of fencing, buildings, infrastructure, or other features that may affect access
- Characteristics of shoreline and intertidal areas, such as slope and substrate/composition, size of intertidal area at low/high tides; for bulk-headed shoreline, distance between top of bulkhead and river at low/high tides
- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

1

West Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
9:20	—	—	—	→ Shoreline changes frequently from steel bulkhead/concrete/riprap w/mixed vegetation overhanging		
9:23	731483N 566261E	—	# ~~249~~ ~~240~~ 459 460, 461	lawn chair above bulkhead	Steel B.H.	No access to river ~5ft from water Worn footpath from road to top of bulkhead
9:36		—	462 463 #	2ND chair also noted near 1ST chair		Localized trash near chair (bag of trash)
9:37	730795N 596033E	—	464 465 #	Culvert localized trash		~~Steel~~ Cement B.H. Worn path
9:39	730623N 595982E	—	466 467 #	localized trash	riprap/ mixed veg.	access to water through riprap some fencing
	—	—	—	junkyard/storage facility on land above. presence of tractor trailers Shoreline becoming more riprap/mixed veg.		

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

[c] Notes on human access/exposure may include:

- Characterization of accessibility of shoreline, such as the presence of fencing, buildings, infrastructure, or other features that may affect access
- Characteristics of shoreline and intertidal areas, such as slope and substrate/composition, size of intertidal area at low/high tides; for bulk-headed shoreline, distance between top of bulkhead and river at low/high tides
- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

2

WestBank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
9:47	729610N 596421E	468	469, 470		Shoreline remains R/R mixed veg.	Boat present on small dock/walkway into water. Junkyard above.
9:52	728060N 596911E		—		Shoreline turns back to bulkhead w/ overhanging veg.	No human access.
9:58	727782N 596919E		#471, 472	CSO. Not flowing ~10ft to water	Bulkhead	(Nearing Nereid Boat Club on East Bank.)
10:05	726432N 596661E		#473, 474 475	cement B.H + mixed Veg below bridge		No human access; alongside road.
10:08	724906N 596069E	Rt3 Bridge	#476, 477			
10:11	724751N 595966E			Rower present on water. Spotted at Union St Bridge. Shoreline turning back to riprap/mixed veg.		

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

[c] Notes on human access/exposure may include:

- Characterization of accessibility of shoreline, such as the presence of fencing, buildings, infrastructure, or other features that may affect access
- Characteristics of shoreline and intertidal areas, such as slope and substrate/composition, size of intertidal area at low/high tides; for bulk-headed shoreline, distance between top of bulkhead and river at low/high tides
- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

West Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
10:15	724418N 595684E		#479	exposed mudflat		mixed vegetation/riprap bounded by road. No human access
10:16	724236N 595462E		#~~478~~ 480 481	Conrail Lyndhurst Draw Bridge		riprap/mixed veg below bridge on both sides. Also, end of mudflat area
10:17	724142N 595292E	724062N 595105E (END)	#482	Beginning of another mudflat. Transitions back to R.Rap		Bounded by mixed veg/riprap + road. No human access.
10:21	723955N 594488E		#~~484~~ 483	Confluence w/ 3rd River ~ RM: 11.25		
10:32	723601N 593403E				Continuing stretch of cement B.H.	mixed veg on top.
10:34	723430N 593033E		#~~485~~ 484	exposed mudflats.	gentle slope w/	mixed vegetation on top

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

[c] Notes on human access/exposure may include:

- Characterization of accessibility of shoreline, such as the presence of fencing, buildings, infrastructure, or other features that may affect access
- Characteristics of shoreline and intertidal areas, such as slope and substrate/composition, size of intertidal area at low/high tides; for bulk-headed shoreline, distance between top of bulkhead and river at low/high tides
- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

West Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

New tape (23)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
10:39	721025N 592093E	485	#486	Nutley Boat Ramp		Fencing around boat launch area.
10:40	720909N 592071E	487	#488, 489	Homeless ~~shelter~~ camp open area/concrete pier		
10:43	720627N 592049E		Degiss9 Bridge #490			Crosses water.
10:53	718840N 591826E	East Bank	#492 491	Two people standing on dock at Passaic River Boathouse		West Bank shoreline continues to be cement B.H.
10:56	717516N 591889E		#~~494~~ 493	Bulkhead bordered by cement B.H. Steel		Access to water for fishing from B.H. No lawnchairs present (visible)
11:00			#~~495~~ 494	fencing present above bulkhead for a stretch ~ RM: 9 (see video)		

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

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- Characterization of accessibility of shoreline, such as the presence of fencing, buildings, infrastructure, or other features that may affect access
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- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

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Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
11:02	714096N 591092E		#495	Cement block out in river	Continues to be cement B.H. transitions to steel B.H. before Rt. 7 Bridge	
(25) 11:06	711954N 589792E	Rt 7. Bridge	#497 496 498		Riprap on both sides of bridge Scattered trash on bank from river.	
11:10	711446N 589554E	RM 28.5	500 499	Exposed sed w/rocks below steel B.H. Scattered trash on bank from river.		No human access. ~~on W~~ Floating Dock ~~Boat Launch~~ ~~West~~ East Bank has Kearny
(29) 11:16	709322N 589462E		Confluence w/ 2nd River #501			
11:17	↓		#503 502	Mudflats No human access	Cement B.H. / Bridge above	
11:22	708663N 588944E	~~Chambers St.~~ Conrail W. Arlington Bridge	#505 504		Bridge bounded by cement B.H.	

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Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
11:24	707712 N 588637 E		#506	Exposed mudflats w/rocks → continues (see video)		No human access. Bounded by cement B.H.
(34) 11:30	705735 N 587167 E	Marina	#508, 509 507 510, 511, 512	Boat skimmer + 2 personal boats in water, anchored. 3 Boats tied up on shore + 1 seadoo tied up on shore.		Steel B.H. + riprap on shoreline
11:33	704612 N 586943 E		513 514, 515	Boat launch @ marina (#514) picnic table @ factory		Fencing present. only for use for factory workers. ~5ft to water ~~No fencing~~. Cement B.H. Old factory
11:37	703646 N 586427 E	E. Bank	Kearny Boat ramp 516	→ fishing. Line in water. 1 Person prepg. on ramp.		Ramp is approx 6ft to water
(37) 11:38	703187 N 586062 E	Newark	Asphalt + Paving #517, 518		Bulkhead continues.	
	↓		519, 520	Picnic table outside on B.H.		

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West Bank

* mudflat extent noted on video

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Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
(38) 11:42	701253N 585092E		#521		Bulkhead.	Shoreline transitioning to more industrial/ Brownfields. Some scattered signage
11:44	700466N 585021E		#522	Homeless camp above cement B.H. Tent setup btw 2 old trailers.		2 people sitting underneath. Set back about 30ft from water's edge
11:46	700037N 585011E	Abandoned Railroad Bridge	#523			Bridge raised
11:47	699610N 584934E		#~~524~~ 525	Parking lot w/ "No Docking" sign		
11:47	699112N 584868E		#526	Picnic area. 3 people outside. Fencing. Parking lot		
11:48	698770N 584794E	Union St Bridge	# 527	Bridge + 2 ppl walking on sidewalk of bridge		

No picture 524

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WestBank

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Date: 09/20/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
(12) 11:50	697984N 584676E	Bridge st human access	# 528 529, 530	Industrial area	Bulkhead	Human Access Point. Thai has seen people down here below bridge. Scattered litter. Homeless?
Newark/Harrison Rail Bridge ↓		2nd Bridge right next to 1st	#532 (ladder), 533, 534.	bridge "	"	Newark Harrison Bridge #534 Hampton Inn (East)
			535 536.	parking lot		
11:57	696600N 584653E	Bridge st Bridge	#537, 538 539, 540, 541, 542, 543	Fencing,	Parking lots. Bulkhead	
12:02	694894N 585118E		544, 545, 546	Homeless camp.	Human Access to water over rip rap.	Localized Trash present
	→ STOP FOR LUNCH →					→ NJPAC visible in background

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→ West Bank Cont'd

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10. **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): M. Ouegas + W.W. **Time and height of low and high tides:**

Starting point location (bank, landmarks): Hampton Inn **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

STARTING PT. IS AFTER HAMPTON INN

	Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
47	12:45	694772N 585164E		#547		Steel bulkhead.	~10 ft to water. No fencing. NJPAC
	12:47	694530N 585212E		#548, 549 #550 (shoreline)	Exposed mudflat	Cement B.H	~10 ft to water. ~~No fencing~~. Small patch of fencing (FBI building on shore)
49	12:50	693322N 585789E	Amtrack Bridge	#551		Bulkhead.	Parking lot on W. Bank. Fencing along B.H. in parking lot.
	12:53	692226N 587607E	Jackson St Bridge	#552, 553 554, 555	(other side of bridge)		Human Access Point or drainage culvert? Stairs, fencing. See photos.
					Mudflats start on other side of Bridge St Bridge		
	12:57	692303N 588719E		556, 557	1 person present.		Worn foot path down to homeless camp. Local trash.

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West Bank

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Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

end of 2nd tape

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
(51) 1:00	692448N 590023E		#558	Cement block outstretching shoreline.	Riprap.	Localized trash. Some exposed sed @ low tide
(52) 1:03	692943N 590638E		#559, 560, 561		Steel bulkhead	2 trailers present above B.H. Some fencing
1:06	693460N 590913E		# 562, 563		Riprap patch through steel B.H.	Some localized trash, industrial area + fence Possible access to water down R.R. slope
1:09	694197 N 591315 E		# 564, 565	tractor trailer parking lot	Bulkhead.	No fencing.
1:10	694365N 591431 E		# 566, 567, 568, 569	Mudflat begins.	B.H / R.R mix	Some access to mudflat @ low tide industrial area, broken section of B.H.
	↓			mudflat continues but fencing begins to reduce potential for access. Steel bulkhead becomes predominant shoreline feature		

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Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
1:17	695051 N 592777 E		#570	Continues to be a primarily industrial/ commercial area	B.H w/fencing	Potted Plants beyond fencing.
1:20	695105 N 593349 E	Diamond Alkali Site	#571, 572 573		B.H./R.R. mix	some fencing junkyard/storage area. mudflat begins below bulkhead
1:24	695173 N 594387 E		#574, 575 576		R.R down to water	Fencing present. Mudflat around corner of R.R. bend
1:29	695309 N 591999 E	Old Passaic Yatch Club	~~576~~ 577-580 581		R.R. down to water	No fencing. Mudflat present
1:32	695313 N 595971 E	Turnpike Bridge + train bridge	#582, 583 584, 585		Riprap some fencing	Phragmites on mudflat under bridge. Workers are working on bridge
1:38	694670 N 597678 E		#586		Bulkhead	Storage yard w/fencing | Worker outside

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Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
1:41	694162 N 598123 E		#587	mudflat	mixed veg/B.H.	w/fencing. Access restricted by fencing.
(17) 1:44	693030 N 598108 E	Pulaski Skyway Bridge	#588, 589	mudflat continues under bridge	↓	Parking lot under bridge Presence of a few tractor trailers too.
1:45	692063 N 597978 E	Truck 109 Bridge	#590-592 593		R.R / B.H mix	
1:48	691443 N 597831 E		594, 595	Tanks on shore Storage yard.	R.R/B.H mix	
(18) 1:50	691032 N 597732 E	Former Geddy terminal	596, 597 598-600	mudflat begins Portfield area	R.R/B.H mix	Fencing to block off parking lot Note steps coming from white building
1:54	689826 N 597386 E		601, 602	3 chairs next to a boat above riprap bank	R.R	

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1:58 687375 N 596799 E #603 Veg shoreline

West Bank

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Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
1:59	687097 N 596738 E		#604, 605	Boat + 1 person	Bulkhead.	Small dock + path leading from a parking lot
2:01	685640 N 596824 E		#606, 607			Port area ~~where~~ B.H.
(12) 2:03	684374 N 596863 E	Passaic Sewage Authority	608			Dock w/sm. boat.
	←		END OF W. BANK			→

STARTING E. Bank (see pg. 15)

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EAST BANK. → heading back upstream

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10 2:06PM **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:** ~72°F

Surveyor(s): M.D + W.W AECOM **Time and height of low and high tides:** low tide at present low tide @ 2 P.M.

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
2:09	685896N 589620E	Kearny Pt.	#609, 610		~~Vegetation~~ R.R. mix	right at Kearny Point - Phragmites. Tent setup on bank. Localized trash. R.R. down to water's edge
(15) 2:18	688231N 597221E		#611			Steps down to raised wooden platform next to an old tanker/barge
		Majority is bulkhead w/fencing. Scattered Parking lots in an industrial-use zone. Not a high chance for human access here.				
2:26	693394N 598311E		#612		Cement slope is surrounded by B.H.	Load/unload cargo - boat launch (old one?) Cement slope down to water.
		Shoreline transitioned into riprap (see video).				
2:31	694943N 597845E		#613, 614			Boat dock w/rusty ladder to water

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2:30 695281N 597312E #615 Steps leading down to R.R. shoreline Beside bridge

E. Bank cont'd

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Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Mudflats are fenced off for human access.

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
2:34	695513N 596442E		#615	stairs to shoreline	~~Bulkhead~~ R.R.	Under bridge. No vegetation.
2:44	695028N 592071E	Train tracks abutt E. Bank. Train station/trainyard (Bridge)	#616 617		Rip rap/Veg.	near ~~695028N 592071E~~
2:47	694693N 591412E		# 618		Riprap w/ Veg.	picnic table outside train yard w/ Fencing. Mudflat begins shortly after. (82)
(83) 2:52	692704N 589809E		# 619	mudflat ends.	Vegetation w/ R.R.	Transitions into rip/rap, rocky shoreline w/ Veg.
2:55	692542N 588869E		# 620	Riprap to mudflat	R.R/Veg.	Fencing above. Sewer opening above mudflat too. Length of mudflat appears to be fenced off.
3:00		Jackson St Bridge E. Bank	# 621	Riprap	R.R to B.H.	PSEG lands on E. Bank.

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East Bank

3:07 * Note greenspace around FSI building on W. Bank (photo #623)

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Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
3:02	693094N 586057E		#622		RR/B.H.	Accessible mudflat beside bridge Fencing present/traintracks-may limit access
3:08	695898N 584962E		#624		RR/BH	Condos. Fencing along R.R/B.H
(88) 3:10	696485N 584845E		#625		R.R/Veg B.H.	Hampton Inn hotel. Benches to sit. Fencing abutts rip rap shoreline
3:12	697269N 584787E		#626 627		R.R.	Human access pt just beside hotel Fencing seperates hotel property
not valid 3:14	~~697322N 584844E~~	280 Turnpike Bridge	#628		R.R	parking lot below bridge Moves into B.H. shoreline beyond parking lot.
not valid 3:17	~~697322N 584844E~~		629	Truck parked		

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

[c] Notes on human access/exposure may include:

- Characterization of accessibility of shoreline, such as the presence of fencing, buildings, infrastructure, or other features that may affect access
- Characteristics of shoreline and intertidal areas, such as slope and substrate/composition, size of intertidal area at low/high tides; for bulk-headed shoreline, distance between top of bulkhead and river at low/high tides
- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

~~697322~~
700325 ~~584844~~
585168

#630, 631 Access on either side of bridge. Industrial area. Broken B.H. Fencing. Bridge that swings up.

East Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
3:22	701530 N 585427 E		#632, 633		R.R/Veg	No trespassing sign Just downstream of Marshalls. Access to shoreline, no visible fencing
(91) 3:24	702325 N 585739 E		#634		B.H/R.R	Walkway outside Marshalls. above bulkhead. Fencing present. Some benches.
3:26	703061 N 586292 E	Kearny Carwash	#635, 636		B.H./R.R	Applebees + Carwash
3:28	703303 N 586464 E	Kearny Boat launch	#637-639		R.R	Boat launch. Kearny. Gate open Cement boat launch + small walkway No people present
3:30	704760 587186	Across from marina W. Bank	#640, 641-644		Veg/R.R	Parkland, parkland also present downstream Hard to see from water. No fencing. Some exposed sed. No barriers to prevent human access. See video. Riverbank Park
—	—	—	—	—	—	

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

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East Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/20/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

general observation of scattered trash all along R.R shoreline.

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
3:37	707586 N 588762 E	Rapp's Boat Yard	#645-648	Human access point	Surrounded by riprap/veg.	5 Boats in water + Dock 4 Boats on land
3:41	710437 N 589521 E		#649, 650 651		R.R Veg.	Parkland above w/fencing
3:45	710026 N 589600 E	Kearny Rowing Club	#652-654, 657 655, 656, 658	Near Arlington Diner + Route 7 Bridge	Surrounded by R.R veg.	Rowing Club. Ramp + Dock People present outside of club (teenagers)
		→	→	Tape finished		→ Done for day 09/20/10.
4:10pm	→	→	#659	8 young women rowing + 1 women guiding in a boat	4:10pm under Lyndhurst River bridge.	
4:12pm			#660, 661	Another group of teenagers (female)	entering water at dock (Lyndhurst)	

Note graffiti on W. Bank on BH (#655)

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).
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- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
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4:20pm #662 Fisherman on bulkhead on W. Bank near bridge (1st bridge downstream of CPG Dock

West Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:** ~70° F

Surveyor(s): M. DUGAS + W. W. **Time and height of low and high tides:** currently high tide

Starting point location (bank, landmarks): CPG Dock on West Bank heading upstream **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
97 8:21	734127N 596983E		Begin survey #001,002		B.H/R.R. w/Veg	No human access. Across from CPG Dock RM13.5 #002 small clearing to water
	shoreline continues - steep slope mixed veg/rocky shoreline					
8:29	735226N 597385E		#003			male single rower heading downstream
8:32	736034N 597337E		#004 005		mixed veg B.H.	stairs down from building guardrail present parking lot K+D fuel oil
RM14 8:34	736422N 597249E	Main St ~~Gregory Ave~~ Bridge	#006 007	industrial area	R.R	Worn path beside bridge (or runoff/drainage channel?) R.R slope to water
8:36	736505N 597721E		#008 009		R.R/steel B.H.	Railing present View of water. Burkerking in background

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

[c] Notes on human access/exposure may include:

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- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

West Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
8:40	737019N 597216E		#010 011		Fenced B.H.	Fencing on cement B.H. "Keep out" sign PVSC Building on fence
8:43	738076N 597422E	Dundee Canal Raceway	#012 014 013		Cement	Homeless people have been known to live under bridge. Wheelchair present
8:46	738286N 597597E		015, 016		B.H. cement	Table + chairs. No fence. Junk.
8:46	738375N 597893E		017		B.H. Steel	Old mill building
104 8:47	738443N 598253E	Bridge-2nd St Bridge	018, 019		Steel B.H.	Old mill buildings + bridge Graffiti (#019)
8:53	738039N 599244E		020 021		Mixed Veg	2 chairs on bank Tarped area. Parking lot to industrial property w/trucks.

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).
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2

WestBank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
8:55	737574N 599340E		#022 023		mixed veg w/rocks.	Storage yard Trucks parked.
8:57	737289N 599339E		#024		Steel B.H. w/fence	Old mill buildings on B.H. PPPC chimney stack behind building.
9:00	736862N 599498 E		#025 026 027 028		mixed veg/B.H No fence	Parking lot for trucks above. 1 open truck bed facing river. PPPC land Scattered trash on bank
9:03	736754N 600204E	8th Street Bridge	#029 030		mixed veg on both sides.	Bridge is fenced/railing. No visible access down to water
9:15	738491N 600767E		#031 033 032	industrial area	mixed veg	localized trash under tree
9:17	738625N 600789 E		#034, 036	↓	mixed veg	worn footpath next to down

PPPC

RM15 (109)

1 person visible in parking lot

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

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West Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c] Boat ramp
9:18	738980N 600793 E		#036 037,038		mixed veg	Graffiti + Footpath to water End of residential street. Streetlight above graffiti.
9:25	739232N 6007220		#039,040-044		mixed veg	house. dock. chairs. 2 boats. ladder
9:28	739573 600577		#045-047		m.v.	house. chair pigeon coup in backyard
9:36	739841N 600396E		#048		m.v.	Sitting area on bank
9:30	740016N 600195E		#049		m.v	residential property
9:31	740121N 600020E	Bridge Passaic St	050,051 052		m.v.	picnic table at building beside bridge

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

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- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

West Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording) #061 shows some fencing along park. further upstream

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
9:34	740173N 599842E		#053 -060,061	Pulaski Park	mixed veg	Parkland. 2 ramps. Footpath(060) Benches. Some portion ~~has~~ railing (see photos)
9:38	741487N 599366E	Monroe St. Bridge + Walkway	#062-064		mixed veg	Graffiti present. RM16.
9:40	741728N 599172E		#065-075 076.	Just past Monroe St Bridge	cement B.H.	Fencing. Residential property/Parkland Walkway w/lighting. Steps. Walkway to shore.
(114) 9:45	742051N 598854E	→	end of transect. end of West Bank survey.		B.H (cement) mixed veg.	H. Access just past cement B.H. Drop-down area to water.

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).
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- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

(5)

EAST BANK → heading downstream.

080-081 - Tree photo for Maryann

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
9:47	741972N 599047E		#077		m.veg	Old Building
9:48	Monroe St Bridge.		#078		m.veg	residential ~~area~~ multi-use home beside bridge
9:49	Just D.S. of Bridge		#079		cement B.H.	Fencing on bank behind veg.
	740825N 599562E		#82, 83, 84, 85, 86, 87, 88		m.veg	Parking lot. Some fencing residential area. Some graffiti
9:52	740321N 599757E		#89, 90, 91		m.veg	localized trash. Some fencing above. clearing down to water. Just upstream of Passaic St bridge
9:58	740114N 600098E		#93		m.veg	Parking lot

Polish area.

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9:56 #92 Biker on ~~Passaic St Bridge~~

6

EastBank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10. **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
9:59	739963N 600330E		#094, 095		mixed veg	Shopping cart. localized trash access to river
10:00	739754N 600620E		#096, 097		m. veg	parking lot, fencing small path in front of fence
115 10:01	739620N 600756E		#098, 099 100		m.v. mixed residential above	Confluence w/saddle river fishing spot near blue post. cobble slope to water. fencing above
10:07	738479N 600856E		#101		mixed veg	homes.
10:08	738258N 600830E		#102, 103 104-105		mixed veg/ cobble	homes w/junkyard Steep slope to water #106 apartment building just past home
10:13	737862N 600901E		106-109		m.veg	steps. sitting area/deck ~~home above~~/condos above >multi unit

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

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EastBank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
10:17	737813N 600911E		#110, 111, 112 116, 117		m.veg	2nd set of stairs from condo decks. sitting areas.
10:24	↓	737090N 600648E	#118, 120, 121		m.veg	ladder cond condo complex gazebo. residential area. 1 person on shore sitting next to culvert 1 line in water fishing
10:26	736762N 600238E	8th St Bridge	#122 123 - parking lot on other side of bridge. fenced in.		Steel Bkh.	1 person standing looking out at water
10:28	736668N 599688E		#124, 125		m.veg	fencing. one boat parked on land past fence
10:30	737189N 599279E		#126, 127 128, 129 → parking lot		m.veg	parkland above
10:33	737930N 599201E		#130-134		m.veg	H. Access. small ramp near parking lot

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

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Eastbank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
10:34	738204N 598951E		#135, 136		m. veg.	H. Access potential Flat part down by large tree
10:36	738351 N 598608 E		#137 138, 139 just past bridge (fence present)		m. veg	home near water just above 2nd St Bridge
10:38	738294 597916		#140-142		m. veg/cement B.H.	Condos. parking lot area. picnic table behind fence. garbage can.
10:40	738092N 597593E		#143, 144		cement B.H.	Boat ramp near condos. Residential area sign on other side of fence.
10:42	737446N 597421E		#145, 146		cement B.H	exposed mudflat fence present. residential area
10:45	736879N 597296E		#147, 148		cement B.H.	commercial business.

(116)

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).

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East Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
10:47	736494N 597383E		#149		mixed veg	restaurant patio w/ water view
10:51	735382N 597507 E		#150, 151		mixed veg	parkland - 3 flags on shore. fence on shore. old rusty dock
10:53	734752N 597383E		#152 153		mixed veg	condos behind fence parking area
(129) 10:56	734221N 597172E		#154-157 158-CPG Dock + Parking lot		Mixed veg Steel B.H	Fishing area → in plaza of CPG Dock house across from fishing area

[a] Record notes on location of coordinates (e.g., approximate boundary of upstream or downstream end of shoreline category, landmarks).
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(10)

EAST BANK → heading downstream

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

09/20/10.

Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:** low tide @ 1:30pm

Surveyor(s): **Time and height of low and high tides:** low tide @ 2:15pm

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

passed under Union St bridge

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording (can't see much from water)	Shoreline Category[b]	Notes on Human Access/Exposure[c]
(21) 11:42	732754N 596819E		#159,160	Rutherford Memorial Park	cement BH	parkland w/picnic tables Fence present close to CPG Dock. BBQ (coal). soccer field
		moves into residential area → fenced in. mostly mix veg. shoreline				
	730114 N 596392E		#161-170		mixed veg/ R.R	benches swimming pool eating area ladder Human Access
access along here	729622N 596563E		#171-173 174		cement BH	steps life preserver fence/flags Human access
11:56	729162N 596746E		175 throughout MS. area 176-180		cement BH/ R.R.	swimming pool deck picnic table
11:58	728946N 596871E		181-183		BH/R.R	old boat ramp (cement) gated behind house fencing

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[b] Aquatic vegetation, mixed vegetation, bulkhead, or riprap.

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- Shoreline features, such as parks/green space, docks, boat ramps, benches, or other amenities
- Evidence of human use or activities, including type of activity observed (e.g., fishing, boating), established paths/trails to or along shoreline, abutting residential properties with steps/access to shoreline

East Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
12:01	728765N 596954E		#184, 185		m.veg/RR	res area muddy rocks w. low tide Park bench (185)
12:03	728439N 597089E		#186		R.R/Veg.	Condos.
12:04	728208N 597085E		187-189 190		R.R.	boat stairs chair Human access
12:05	727910N 597055E		191-194		R.R/B.H	H.Access.
12:07	727624N 597000E	Nereid Boat Club Marina	195-203.		Old B.H	Dock/ramp. H. Access to water cars w/trailers on shore
12:10	727390N 597005E		204		m.veg	House beside boat club w/balcony

res. area.

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East Bank

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Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
12:12	727061N 596946E		#205-207 208-210		BH	res. area Penang
12:13	726747N 596873E		#211-213		Cement BH	parkland
12:14	726584N 596817E		#214-229		RR	Boat access, stairs res area abutts river
~~end~~	~~796128N 596886E~~		230-232	725633N 596577E	RR shore.	1 person sitting w/orange cooler (#233) on bench behind fence. Picnic?
	725303N 596491 E	Dock beside Rt3 Bridge			mixed	
			233-239.	under bridge	mixed	Boat launch

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lots of res. access points this whole stretch of river

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East Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
12:25	723906N 595240E		#240, 241		mixed veg	worn foot path down from road past railing. Steep slope.
12:28	723793N 594780E		#242 243, 244		m.v/RR	2 cars parked park bench gazebo (white) MS area/parkland
12:31	723528N 593801E	Riverside Park	#245-247		m.v/~~RR~~ cobbles	Fishing spot, old cobble boat ramp. Benches. Edge of Park.
			#248-252		m.v/~~RR~~ cobbles.	H. Access at Riverside Park. mudflat present picnic tables. No barrier to water Fake flowers on shore
12:37	722904N 592727E		#253		m.v/ cobbles.	parkland worn foot path
12:38	722512 592541		#254-256		↓	parkland foot paths, access pts. No barriers.

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East Bank

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Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
12:41	721589N 592344E		#259		m.v. phragmites	parkland. access.
12:42	721344N 592285E		#258-260 hatthclub. King's court → gazebo.		RR/ m.v.	access @ end of street res. area
12:45	720263N 592240E		#261 262		Steel B.H / R.R	CSO flowing Apt. complex gazebo Fence condos benches.
12:48	719203N 592212E		#263		B.H.	old stairs down to water
	718883N 592102E		#264-65		m.v./cobble	parkland access
12:50	718489N 591965E	Rowing Riverside Park South	266, 267 268		m.v/cobble	

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EastBank

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Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
12:53	717602N 592030E		#269, 270		m.v/cobble	Riverside Park South Access pt. No fence/barriers along park visible from water
12:54	717213N 592134E		#271-275			parkland Access pts.
12:57	716714N 592320E		#276, 277			open area under power lines.
12:59	716393N 592416E		#278, 279		R.R w/ veg	backyards. junk
1:00	716291N 592412E		#280-282		Steel B.H/cement B.H/RR	Boat launch - private Dock. Fences
1:03	715762N 592231E		#283			Benches

(37)

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Eastbank

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Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): **Time and height of low and high tides:**

Starting point location (bank, landmarks): **End point location (bank, landmarks):**

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
1:05	715255N 591881E		#284		RR	Open area no fencing
1:06	715128N 591802E		#285, 286		B.H (wood)	Chair ladder dock boat
1:07	714434N 591462E		#287, 294		RR/m.veg	res. area turns to park fishers - 4 ppl boat ramp/cement
1:11	713668N 590994E	end	#295-299		↓	"One man Army" guy. boat in water, dock Euro Lounge Cafe
1:12	713454N 590851E		#300		↓	tiki torches + benches
1:13	713236N 590720E		#301, 302		↓	parkland/stadium Fencing, treeline

fire house next door picnic tables

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East Bank

Attachment T: LPRSA Human Access/Exposure Identification Survey Form

Date: 09/21/10 **Weather:** Sunny Partly Cloudy Cloudy Precipitation **Temperature:**

Surveyor(s): M.D + Windward **Time and height of low and high tides:**

Starting point location (bank, landmarks): CPG Dock West Bank heading upstream **End point location (bank, landmarks):** Kearny H.S. Row Club

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
1:16	712429N 590197E		#303 304		m.v/R.R	Foot path access parking lot – no fence
1:21	711790N 589866E	Rte 7 Bridge	#305 306		RR/m.v/ B.H.	
1:22	711383N 589680E	Kearny H.S. Row Club	#307-311 312, 312		m.v	Nutley + Kearny H.S. students Sea exposed @ low tide
	1:24pm		END			

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Date: 09/21/10 **Weather:** (Sunny) Partly Cloudy Cloudy Precipitation **Temperature:**

Time and height of low and high tides: low tide

Surveyor(s):

Starting point location (bank, landmarks):

End point location (bank, landmarks):

STATIONS ON FOOT

Human Access/Exposure Observation Log (Notes to Accompany Narrative of Video Recording)

	Date/ Time	Coordinates	Notes on Coordinates[a]	Record of Digital Photographs	Notes on Video Recording	Shoreline Category[b]	Notes on Human Access/Exposure[c]
#1	2:40	744453 N 598377 E		#320-323		Vegetation Muddy banks. Cobble	Access off of Parking lot Across from "The Venetian" Easy to cross River at low tide on foot. Old fencing
							Street
#2	3:00	746152 N 597008 E		#324-333	Also access from trail		Easy Access. Homeless camp on opposite bank. Monument. Worn foot path. Broken glass. Trash.
#3				333-340 → 341	Walked down trail towards Dundee Dam.		Just beyond Dundee Dam (visible on right side) 1 person sitting in chair near tent (homeless) Localized trash. Chairs/Benches Another laying on bench other side of river (homeless)
		2 guys parked for fishing.					2 fishermen sitting. They Don't eat fish say many ppl here do. "should post signs" around this point in the river.
							One set of hipwaders on shore

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