

Resource Report 2- Water Use and Quality
Table 2.4-1
Waterbodies Crossed by the Project
AES Sparrows Point Project

Waterbody Code	County/State	Milepost (MP)	Waterbody Name	Waterbody Crossing Classification (a)	USGS Stream Type (b)	State Water Quality Classification (c)	State Water Quality Classification (Fisheries)	Proposed Crossing Method (d)	Stream Impact (e) (linear feet)	Width(ft)	Acreege
USGS Stream (9.1 WT)	Baltimore/MD	0.75	Humphrey Creek/Canal Water Treatment Facility	Intermediate	P	NE	I	4	TBD	TBD	TBD
104SA7	Baltimore/ MD	6.86	Bread and Cheese Creek	Intermediate	P	MD 5	IV-P	1	29	18	0.01
104SA6	Baltimore/ MD	7.03	unnamed tributary to Bread and Cheese Creek	minor	P	MD 5	IV-P	2A or 2B	120	6	0.02
104SA4	Baltimore/ MD	7.2	unnamed tributary to Bread and Cheese Creek	Minor	I	MD 5	IV-P	2A or 2B	65	5	0.01
104SA3	Baltimore/ MD	7.27	unnamed tributary to Bread and Cheese Creek	Minor	I	MD 5	IV-P	2A or 2B	76	4	0.01
104SA2	Baltimore/ MD	7.4	unnamed tributary to Bread and Cheese Creek	Minor	P	MD 5	IV-P	2A or 2B	78	4	0.01
114.1SA1	Baltimore/ MD	7.97	Branch of Back River	Intermediate	P	MD 2, 4a, 5	I	2A or 2B	79	18	0.03
114.2SA1	Baltimore/ MD	8.6	unnamed tributary to Branch of Back River	Minor	I	MD 2, 4a, 5	I	NA	0	10	0.00
USGS Stream	Baltimore/ MD	8.71	Back River	Major	P	MD 2, 4a, 5	I	4	TBD	TBD	TBD
138SA1	Baltimore/MD	9.77	unnamed tributary to Northeast Creek	Minor	P	NE	I	2A or 2B	89	6	0.01
140SA2	Baltimore/MD	10.27	unnamed tributary to Northeast Creek	Minor	P	NE	I	2A or 2B	51	10	0.01
144SA2	Baltimore/MD	10.42	unnamed tributary to Northeast Creek	Intermediate	P	NE	I	3	77	18	0.03
158SB1	Baltimore/MD	11.17	Stemmers Run	Intermediate	P	MD 5	I	3	78	15	0.03
159SB1	Baltimore/MD	11.21	unnamed tributary to Stemmers Run	Minor	I	MD 5	I	1	99	4	0.01
166SB1	Baltimore/MD	11.3	unnamed tributary to Brien Run	Minor	I	MD 5	I	NA	0	4	0.00
166SB2a	Baltimore/MD	11.53	Brien Run - 1	Intermediate	P	MD 5	I	3	149	12	0.04
166SB2b	Baltimore/MD	11.6	Brien Run - 2	Intermediate	P	MD 5	I	3	153	12	0.04
181SB2	Baltimore/MD	12.87	unnamed tributary to Brien Run - 2	Minor	P	MD 5	I	2A or 2B	90	8	0.02
194SA2	Baltimore/MD	13.35	unnamed tributary to Whitemarsh Run - 1	Minor	I	NE	IV	2A or 2B	82	1	0.00
210SA2**	Baltimore/MD	14.2	unnamed tributary to Whitemarsh Run - 1	Minor	P	MD 5	IV	NA	0	5	0.00
211.1SA1	Baltimore/MD	14.38	Whitemarsh Run	Intermediate	P	MD 5	IV	3	68	80	0.13
214SA1	Baltimore/MD	14.8	unnamed tributary to Whitemarsh Run - 1	Intermediate	P	MD 5	IV	NA	0	24	0.00
215.1SA1	Baltimore/MD	14.9	unnamed tributary to Whitemarsh Run - 1	Intermediate	P	MD 5	IV	2A or 2B	93	30	0.06
224SA1a	Baltimore/MD	15.09	Whitemarsh Run-2	Intermediate	P	MD 5	IV	3	105	25	0.06
227SA1	Baltimore/MD	15.5	Whitemarsh Run-3	Intermediate	P	MD 5	IV	2A or 2B	75	50	0.09
228SA1	Baltimore/MD	15.57	unnamed tributary to Whitemarsh Run - 3	Minor	I	MD 5	IV	1	77	8	0.01
231SA1	Baltimore/MD	15.81	unnamed tributary to Whitemarsh Run - 3	Minor	P	MD 5	IV	2A or 2B	96	4	0.01
249.1SA1	Baltimore/MD	16.48	unnamed tributary to Whitemarsh Run - 3	Minor	I	MD 5	IV	1	82	6	0.01
249.1SA3	Baltimore/MD	16.69	unnamed tributary to Whitemarsh Run - 3	Minor	P	MD 5	IV	2A or 2B	91	7	0.01
256SA2	Baltimore/MD	16.87	unnamed tributary to Whitemarsh Run - 3	Minor	I	MD 5	IV	1	118	4	0.01
256SA1	Baltimore/MD	16.88	unnamed tributary to Whitemarsh Run - 3	Minor	P	MD 5	IV	2A or 2B	125	4	0.01
262SA1a	Baltimore/MD	17.11	unnamed tributary to Whitemarsh Run - 3	Minor	I	MD 5	IV	1	73	7	0.01
262SA1b	Baltimore/MD	17.14	unnamed tributary to Whitemarsh Run - 3	Minor	I	MD 5	IV	1	87	7	0.01
USGS Stream	Baltimore/MD	18.28	Gunpowder Falls	Intermediate	P	MD 3, 5	I	4	TBD	TBD	TBD
304SA3*	Baltimore/MD	19.18	unnamed tributary to Gunpowder Falls	Minor	P	MD 3, 5	I	2A or 2B	44	8	0.01
304SA1	Baltimore/MD	19.2	unnamed tributary to Gunpowder Falls	Intermediate	P	MD 3, 5	I	2A or 2B	155	12	0.04
324SA1	Baltimore/MD	20.64	unnamed tributary to Gunpowder Falls	Intermediate	P	MD 3, 5	I	2A or 2B	121	16	0.04
325.3SA1	Baltimore/MD	20.68	unnamed tributary to Little Gunpowder Falls	Minor	P	MD 3, 5	III	2A or 2B	146	6	0.02
340SA1	Baltimore/MD	21.23	unnamed tributary to Little Gunpowder Falls	Minor	P	MD 3, 5	III	2A or 2B	112	16	0.04
351SB1	Baltimore/MD	22.22	Little Gunpowder Falls	Intermediate	P	MD 3, 5	III	3	75	51	0.09
371SB1	Harford/MD	23.39	Wildcat Branch	Minor	P	NE	III	2A or 2B	89	8	0.02
373.4SA1	Harford/MD	23.89	unnamed tributary to Wildcat Branch	Minor	P	NE	III	2A or 2B	171	4	0.02
382SA1	Harford/MD	24.96	unnamed tributary to Elbow Brook	Minor	I	NE	IV-P	1	54	9	0.01
383SA4	Harford/MD	25.34	unnamed tributary to Elbow Brook	Minor	P	NE	IV-P	2A or 2B	172	4	0.02
383SA3a	Harford/MD	25.36	Elbow Brook - 1	Minor	P	NE	IV-P	2A or 2B	94	11	0.02
383SA3b	Harford/MD	25.49	Elbow Brook - 2	Minor	P	NE	IV-P	2A or 2B	204	11	0.05
386.1SA1	Harford/MD	25.92	unnamed tributary to Elbow Brook - 2	Minor	P	NE	IV-P	NA	0	9	0.00
not field verified	Harford/MD	27.01	unnamed tributary to Winters Run	Minor	I	MD 3, 4a, 5	IV-P	2A or 2B	TBD	TBD	TBD
USGS	Harford/MD	27.47	Winters Run	Intermediate	P	MD 3, 4a, 5	IV-P	3	TBD	TBD	TBD
430.4SA1a	Harford/MD	28.16	Long Branch - 1	Intermediate	P	NE	IV-P	3	73	24	0.04
430.4SA1b	Harford/MD	28.22	Long Branch - 2	Intermediate	I	NE	IV-P	3	88	5	0.01
431SA1	Harford/MD	28.35	unnamed tributary to Long Branch - 2	Minor	P	NE	IV-P	2A or 2B	70	9	0.01

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Waterbody Code	County/State	Milepost (MP)	Waterbody Name	Waterbody Crossing Classification (a)	USGS Stream Type (b)	State Water Quality Classification (c)	State Water Quality Classification (Fisheries)	Proposed Crossing Method (d)	Stream Impact (e) (linear feet)	Width(ft)	Acreege
437.1SA1	Harford/MD	28.63	unnamed tributary to Long Branch - 2	Minor	P	NE	IV-P	2A or 2B	79	6	0.01
USGS Stream (LL443)	Harford/MD	29.28	unnamed tributary to Long Branch - 2	TBD	P	NE	IV-P	2A or 2B	TBD	TBD	TBD
USGS Stream (LL447)	Harford/MD	29.73	unnamed tributary to Long Branch - 2	TBD	P	NE	IV-P	2A or 2B	TBD	TBD	TBD
455SA1	Harford/MD	30.61	unnamed tributary to Stirrup Run	Minor	P	MD 3	IV-P	2A or 2B	120	5	0.01
458SA1	Harford/MD	30.71	unnamed tributary to Stirrup Run	Minor	P	MD 3	IV-P	2A or 2B	76	5	0.01
455SA3*	Harford/MD	30.8	unnamed tributary to Stirrup Run	Minor	P	MD 3	IV-P	2A or 2B	17	6	0.00
462SA1	Harford/MD	30.8	unnamed tributary to Stirrup Run	Minor	I	MD 3	IV-P	1	81	5	0.01
455SA2	Harford/MD	30.84	unnamed tributary to Stirrup Run	Minor	P	MD 3	IV-P	2A or 2B	148	5	0.02
464SA1	Harford/MD	31.06	unnamed tributary to Stirrup Run	Minor	I	MD 3	IV-P	1	80	6	0.01
469.1SA3	Harford/MD	31.67	Stirrup Run	Minor	P	MD 3	IV-P	2A or 2B	125	7	0.02
469.1SA2	Harford/MD	31.71	unnamed tributary to Stirrup Run	Minor	P	MD 3	IV-P	2A or 2B	61	3	0.00
472SA2	Harford/MD	31.88	unnamed tributary to Stirrup Run	Minor	P	MD 3	IV-P	2A or 2B	10	6	0.00
472SA1	Harford/MD	32.13	unnamed tributary to Stirrup Run	Minor	I	MD 3	IV-P	1	77	6	0.01
USGS Stream	Harford/MD	32.39	unnamed tributary to Stirrup Run	TBD	P	MD 3	IV-P	2A or 2B	TBD	TBD	TBD
484SA1**	Harford/MD	33.32	unnamed tributary to Deer Creek	Minor	P	MD 2, 3a, 5	IV-P	2A or 2B	150	8	0.03
484SA3	Harford/MD	33.36	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	77	5	0.01
486SA1	Harford/MD	33.8	unnamed tributary to Deer Creek	Minor	P	MD 2, 3a, 5	IV-P	2A or 2B	169	6	0.02
497SA1**	Harford/MD	34.41	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	NA	0	3	0.00
497SA2	Harford/MD	34.48	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	81	6	0.01
498SA3	Harford/MD	34.88	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	50	3	0.00
USGS Stream	Harford/MD	35.54	Deer Creek	Intermediate	P	MD 2, 3a, 5	IV-P	2A or 2B	TBD	TBD	TBD
527SA1	Harford/MD	35.99	unnamed tributary to Deer Creek	Minor	P	MD 2, 3a, 5	IV-P	2A or 2B	96	5	0.01
527SA3	Harford/MD	36.07	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	163	5	0.02
533SA1	Harford/MD	36.42	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	109	8	0.02
538SA1	Harford/MD	36.55	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	66	8	0.01
527SA2**	Harford/MD	36.6	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	NA	0	3	0.00
543SA1	Harford/MD	36.96	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	158	8	0.03
USGS Stream	Harford/MD	37.76	unnamed tributary to Deer Creek	TBD	P	MD 2, 3a, 5	IV-P	2A or 2B	113	TBD	TBD
566SA1	Harford/MD	37.78	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	122	10	0.03
566SA4**	Harford/MD	38.12	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	NA	0	1	0.00
566SA3	Harford/MD	38.13	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	79	4	0.01
566SA2	Harford/MD	38.22	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	72	6	0.01
568SA1	Harford/MD	38.26	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	90	8	0.02
568SA2**	Harford/MD	38.31	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	NA	0	6	0.00
574SA3	Harford/MD	38.7	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	125	6	0.02
574SA2	Harford/MD	38.73	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	77	3	0.01
574SA1	Harford/MD	38.75	unnamed tributary to Deer Creek	Minor	P	MD 2, 3a, 5	IV-P	2A or 2B	170	6	0.02
576SA1	Harford/MD	39.06	unnamed tributary to Deer Creek	Minor	P	MD 2, 3a, 5	IV-P	2A or 2B	84	6	0.01
577SA1	Harford/MD	39.16	unnamed tributary to Deer Creek	Minor	P	MD 2, 3a, 5	IV-P	2A or 2B	74	6	0.01
587SA2	Harford/MD	39.78	unnamed tributary to Deer Creek	Minor	I	MD 2, 3a, 5	IV-P	1	84	4	0.01
619SA1	Harford/MD	41.79	Peddler Run	Minor	P	NE	I-P	2A or 2B	78	12	0.02
628SA1	Harford/MD	42.61	Peddler Run	Intermediate	P	NE	I-P	2A or 2B	100	13	0.03
645SA1	Harford/MD	43.25	Peddler Run	Minor	P	NE	I-P	2A or 2B	78	4	0.01
654SB1	Cecil/MD	43.63	Peddler Run	Intermediate	P	NE	I-P	2A or 2B	78	14	0.03
660 - SA1	Harford/Cecil/MD	44.23	Susquehanna River	Major	P	MD 2, 3, 5	I-P	NA	0	3115.2	0.00
661SA3**	Harford/Cecil/MD	45.23	unnamed tributary to Conowingo Creek	Minor	I	NE	I-P	NA	0	12	0.00
661SA4**	Harford/Cecil/MD	45.24	unnamed tributary to Conowingo Creek	Minor	I	NE	I-P	NA	0	10	0.00
661SA2	Harford/Cecil/MD	45.27	Conowingo Creek	Intermediate	P	NE	I-P	4	118	30	0.08
664SA1	Cecil/MD	45.54	unnamed tributary to Conowingo Creek	Intermediate	P	NE	I-P	3	78	20	0.04
670SA1	Cecil/MD	46.17	unnamed outflow for wetland 670WA1	Minor	I	NE	I-P	1	63	1	0.00
683.2SA1	Cecil/MD	47.15	unnamed tributary to Conowingo Creek	Minor	P	NE	I-P	2A or 2B	90	8	0.02

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703SA1	Lancaster/PA	49.5	unnamed tributary to Octoraro Creek	Minor	P	PA 2, 3	TSF	2A or 2B	117	6	0.02
704SA1	Lancaster/PA	49.72	unnamed tributary to Octoraro Creek	Minor	P	PA 2, 3	TSF	2A or 2B	84	10	0.02
712SA1	Lancaster/PA	50.36	unnamed tributary to Reynolds Run	Minor	P	NE	HQ	2A or 2B	80	8	0.01
716SA1a	Lancaster/PA	50.88	unnamed tributary to Reynolds Run	Intermediate	P	NE	HQ	3	70	25	0.04
716SA1b	Lancaster/PA	50.89	unnamed tributary to Reynolds Run	Minor	I	NE	HQ	2A or 2B	81	5	0.01
726SA1b	Lancaster/PA	50.89	unnamed tributary to Reynolds Run	Minor	I	NE	HQ	NA	0	5	0.00
726SA1a	Lancaster/PA	51.59	Reynolds Run	Intermediate	P	NE	HQ	NA	0	20	0.00
725SA1	Lancaster/PA	51.6	unnamed tributary to Reynolds Run	Intermediate	P	NE	HQ	2A or 2B	72	25	0.04
730.5SA1	Lancaster/PA	51.96	Reynolds Run	Minor	I	NE	HQ	1	111	6	0.02
765SA1	Lancaster/PA	53.32	unnamed tributary to Octoraro Creek	Minor	I	PA 2, 3	TSF	1	79	2	0.00
776SA1	Lancaster/PA	53.93	unnamed tributary to Octoraro Creek	Intermediate	P	PA 2, 3	TSF	3	77	12	0.02
779SA1	Lancaster/PA	54.57	unnamed tributary to Octoraro Creek	Minor	P	PA 2, 3	TSF	2A or 2B	95	2	0.00
785SA2	Lancaster/PA	54.77	Reynolds Run	Minor	P	NE	HQ	2A or 2B	55	6	0.01
785SA1	Lancaster/PA	54.82	Reynolds Run	Intermediate	P	NE	HQ	2A or 2B	77	20	0.04
787SA1	Lancaster/PA	55.47	McCreary Run	Minor	P	PA 2	HQ	2A or 2B	78	10	0.02
793SA1	Lancaster/PA	56.01	unnamed tributary of Octoraro Creek	Minor	P	PA 2, 3	WWF	2A or 2B	79	6	0.01
794SA1	Lancaster&Chest	56.31	Octoraro Creek	Intermediate	P	PA 2, 3	WWF	4	77	70	0.12
803SA1	Lancaster&Chest	56.93	Tweed Creek	Intermediate	P	PA 2, 3	TSF	2A or 2B	78	40	0.07
813SA1	Chester/PA	58.09	Leech Run	Intermediate	P	PA 2, 3	TSF	2A or 2B	103	60	0.14
830SA1	Chester/PA	61.17	unnamed tributary to Muddy Run	Minor	P	MD 3, 4a, 4c, 5	TSF	2A or 2B	41	1	0.00
834SA2	Chester/PA	61.18	unnamed tributary to Muddy Run	Minor	I	MD 3, 4a, 4c, 5	TSF	1	86	1	0.00
834SA1	Chester/PA	61.18	unnamed tributary to Muddy Run	Minor	P	MD 3, 4a, 4c, 5	TSF	2A or 2B	86	10	0.02
841SA1	Chester/PA	61.19	unnamed tributary to Muddy Run	Minor	P	MD 3, 4a, 4c, 5	TSF	2A or 2B	32	4	0.00
844SA4	Chester/PA	62.34	unnamed tributary to Muddy Run	Minor	I	MD 3, 4a, 4c, 5	TSF	NA	0	4	0.00
844SA3	Chester/PA	62.44	unnamed tributary to Muddy Run	Minor	P	MD 3, 4a, 4c, 5	TSF	2A or 2B	86	10	0.02
851SA1	Chester/PA	62.92	unnamed tributary to Rattlesnake Run.	Minor	P	MD 3, 4a, 4c, 5	TSF	2A or 2B	100	8	0.02
859SA2	Chester/PA	63.93	unnamed tributary to East Elk Creek	Minor	P	NE	TSF	2A or 2B	116	2	0.01
859SA1	Chester/PA	64.04	unnamed tributary to East Elk Creek	Minor	I	NE	TSF	1	29	3	0.00
864SA6	Chester/PA	64.16	unnamed tributary to East Elk Creek	Minor	I	NE	TSF	NA	0	4	0.00
864SA4	Chester/PA	64.17	unnamed tributary to East Elk Creek	Minor	I	NE	TSF	NA	0	3	0.00
864SA5	Chester/PA	64.24	unnamed tributary to East Elk Creek	Minor	I	NE	TSF	1	53	2	0.00
864SA3	Chester/PA	64.25	unnamed tributary to East Elk Creek	Minor	I	NE	TSF	1	86	3	0.01
864SA2	Chester/PA	64.27	unnamed tributary to East Elk Creek	Minor	I	NE	TSF	1	80	10	0.02
USGS Stream	Chester/PA	64.77	unnamed tributary to East Elk Creek	TBD	I	NE	TBD	2A or 2B	TBD	TBD	TBD
873SA1	Chester/PA	65.13	unnamed tributary to East Elk Creek	Minor	I	NE	TSF	1	64	4	0.01
879SA1	Chester/PA	66.02	unnamed tributary to Doe Run	Minor	I	PA 2, 3, 5	TSF	1	78	4	0.01
880SA2	Chester/PA	66.24	unnamed tributary to Doe Run	Minor	P	PA 2, 3, 5	TSF	2A or 2B	88	4	0.01
880SA3	Chester/PA	66.25	unnamed tributary to Doe Run	Minor	P	PA 2, 3, 5	TSF	2A or 2B	102	4	0.01
880SA1	Chester/PA	66.46	unnamed tributary to Doe Run	Minor	I	PA 2, 3, 5	TSF	1	54	2	0.00
889SA1	Chester/PA	67.15	unnamed tributary to Doe Run	Minor	P	PA 2, 3, 5	TSF	2A or 2B	87	6	0.01
893SA1	Chester/PA	67.48	unnamed tributary to Doe Run	Minor	P	PA 2, 3, 5	TSF	2A or 2B	77	8	0.01
906SA1	Chester/PA	69.88	unnamed tributary to Doe Run	Minor	P	PA 2, 3, 5	TSF	2A or 2B	62	6	0.01
908SA1	Chester/PA	69.92	unnamed tributary to Doe Run	Minor	P	PA 2, 3, 5	TSF	2A or 2B	75	8	0.01
908SA3	Chester/PA	70.35	unnamed tributary to Doe Run	Minor	I	PA 2, 3, 5	TSF	1	157	5	0.02
USGS Stream	Chester/PA	70.52	unnamed tributary to Buck Run	TBD	P	PA 2, 3, 4c, 5	TSF	2A or 2B	TBD	TBD	TBD
917SA2	Chester/PA	71.38	unnamed tributary to Buck Run	Minor	I	PA 2, 3, 4c, 5	TSF	TBD	122	6	0.02
917SA3	Chester/PA	71.4	unnamed tributary to Buck Run	Minor	I	PA 2, 3, 4c, 5	TSF	TBD	76	6	0.01
921SA1	Chester/PA	72.14	Buck Run	Intermediate	P	PA 2, 3, 4c, 5	TSF	3	78	50	0.09
931SA2a	Chester/PA	73.61	unnamed tributary to Doe Run	Minor	P	PA 2, 4a, 5	WWF	2A or 2B	151	6	0.02
931SA2b	Chester/PA	73.62	unnamed tributary to Doe Run	Minor	P	PA 2, 4a, 5	WWF	2A or 2B	45	6	0.01
941SA1	Chester/PA	74.19	West Branch Brandywine Creek	Intermediate	P	PA 2, 4a, 5	WWF	3	75	70	0.12
944SA2	Chester/PA	74.38	unnamed tributary to Brandywine Creek	Minor	I	PA 2, 4a, 5	CWF	1	115	3	0.01

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949SA3	Chester/PA	75.14	unnamed tributary to Brandywine Creek	Minor	P	PA 2, 4a, 5	CWF	2A or 2B	103	6	0.01
949SA2	Chester/PA	75.17	unnamed tributary to Brandywine Creek	Minor	P	PA 2, 4a, 5	CWF	2A or 2B	99	7	0.02
971.1SA1	Chester/PA	75.57	unnamed tributary to Broad Run	Minor	I	PA 2, 3, 4a, 4c, 5	EV	TBD	64	2	0.00
USGS Stream***	Chester/PA	76.45	unnamed tributary to Broad Run	TBD	I	PA 2, 3, 4a, 4c, 5	EV	TBD	TBD	TBD	TBD
983SA1	Chester/PA	76.54	Broad Run	Minor	I	PA 2, 3, 4a, 4c, 5	EV	1	88	6	0.01
995SA1**	Chester/PA	77.19	unnamed tributary to Broad Run	Minor	P	PA 2, 3, 4a, 4c, 5	EV	NA	0	12	0.00
1011.1SA1a	Chester/PA	77.27	unnamed tributary to Broad Run	Intermediate	P	PA 2, 3, 4a, 4c, 5	EV	3	97	16	0.04
1011.1SA1b	Chester/PA	77.49	unnamed tributary to Broad Run	Minor	P	PA 2, 3, 4a, 4c, 5	EV	2A or 2B	109	12	0.03
1054SA1	Chester/PA	78.14	unnamed tributary to Beaver Creek	Minor	I	PA 2, 3, 4c, 5	TSF	2A or 2B	40	5	0.00
USGS Stream	Chester/PA	79.35	unnamed tributary to Beaver Creek	TBD	P	PA 2, 3, 4c, 5	TSF	2A or 2B	TBD	TBD	TBD
USGS Stream	Chester/PA	79.37	Beaver Creek	Minor	I	PA 2, 3, 4c, 5	TSF	2A or 2B	TBD	TBD	TBD
USGS Stream	Chester/PA	79.61	Beaver Creek	Minor	I	PA 2, 3, 4c, 5	TSF	2A or 2B	TBD	TBD	TBD
1178SB1	Chester/PA	82.19	unnamed tributary to East Branch Brandywine Creek	Minor	P	PA 2, 3, 4c, 5	WWF	2A or 2B	55	6	0.01
1180SA1	Chester/PA	82.31	East Branch Brandywine Creek	Intermediate	P	PA 2, 3, 4c, 5	WWF	3	18	75	0.03
1187SA1*	Chester/PA	82.58	Shamona	Intermediate	P	PA 2	HQ	NA	75	35	0.00
1226SA1	Chester/PA	83.49	unnamed tributary to Marsh Creek Lake	Minor	I	PA 2	HQ	1	89	4	0.01
USGS Stream	Chester/PA	84.39	unnamed tributary to Marsh Creek Lake	TBD	P	PA 2	HQ	2A or 2B	TBD	TBD	TBD
1255SA1	Chester/PA	84.85	unnamed tributary to Marsh Creek Lake	Minor	P	PA 2	HQ	2A or 2B	75	8	0.01
486SA2**	Harford/MD	33-34	unnamed pond	Minor	P	NE	Was IV-P	NA	0	75x100	0
490SA1**	Harford/MD	34-35	unnamed pond	Minor	P	NE	Was IV-P	NA	0	75x100	0

Total Impacts: 12462 3.01

NOTES:

- *-only in temporary workspace
 - **-adjacent to proposed ROW
 - ***-not represented on alignment seats
- TBD =To be determined, area not yet surveyed
NE =Not Established

References

MD water quality (303(d)) data from Maryland's Draft 2006 List of Impaired Surface Waters [303(d) List] and Integrated Assessment of Water Quality in Maryland. Available online at:
PA water quality (303(d)) data from the 2004 Pennsylvania Integrated Monitoring and Assessment Report Narrative. 2004. Available online at:
MD water quality for fisheries data from Ray C. Dintaman, Jr. Director, Environmental Review Unit, Maryland Department of Natural Resources, letter to Matthew
PA water quality for fisheries data mainly from the PA DEP's eMapPA (an interactive web-based map). Available online at:
<http://www.emappa.dep.state.pa.us/emappa/viewer.htm>. Accessed December 6, 2006.
If necessary, additional data was collected from Pennsylvania Code, Title 25, Chapter 93. Water Quality Standards. Available online at
<http://www.pacode.com/secure/data/025/chapter93/chap93toc.html>. Accessed on December 6, 2006.

a. Waterbody Crossing Classification

- "Minor Waterbody" Includes waterbodies less than or equal to 10 feet wide at the water's edge at the time of crossing.
- "Intermediate Waterbody" Includes waterbodies greater than 10 feet wide but less than 100 feet wide at the water's edge at the time of crossing.
- "Major Waterbody" Includes waterbodies greater than 100 feet wide at the water's edge at the time of crossing.

b. Stream Type

- P = Perennial
- I = Intermittent (includes ephemeral)

c. State Stream Classification

Maryland

- 2 = Includes surface waters that are meeting some standards and have insufficient information to determine attainment of other standards.
- 3 = Includes surface waters that have insufficient quantity (Category 3a) or quality (Category 3b) data and information to determine waterbody attainment status.
- 4a = Includes surface waters that are still impaired but have a TMDL that has been completed or submitted to EPA.
- 4b = Includes surface waters impaired for one or more water quality standards but not needing a TMDL because other pollution control requirements are reasonably
- 5 = Historically known as the 303(d) List and includes waterbodies that may require a TMDL.
- 6 = Includes surface waters that have been de-listed or removed from the current 2004 List of Impaired Surface Waters.
- NE = Not Established

Pennsylvania

- 1 = Waters attaining a designated use.
- 2 = Waters where some, but not all, designated uses are met. Attainment status of the remaining designated uses is unknown because data are insufficient to
- 3 = Waters for which there are insufficient or no data and information to determine, consistent with the State's listing methodology, if designated uses are met.
- 4 = Waters impaired for one or more designated use but not needing a TMDL. States may place these waters in one of the following three subcategories:
- 4A = TMDL has been completed.
- 4B = Expected to meet a designated use within a reasonable timeframe.
- 4C = Not impaired by a pollutant.
- 5 = Waters impaired for one or more designated uses by any pollutant. Category 5 includes waters shown to be impaired as the result of biological assessments used

Resource Report 2- Water Use and Quality
Table 2.4-1
Waterbodies Crossed by the Project
AES Sparrows Point Project

Waterbody Code	County/State	Milepost (MP)	Waterbody Name	Waterbody Crossing Classification (a)	USGS Stream Type (b)	State Water Quality Classification (c)	State Water Quality Classification (Fisheries)	Proposed Crossing Method (d)	Stream Impact (e) (linear feet)	Width(ft)	Acreage
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NE = Not Established

d. State Water Quality Classification (Fisheries)

In Maryland: I = Water Contact Recreation and Protection of Aquatic Life
 I-P = Water Contact Recreation, Protection of Aquatic Life, and Public Water Supply
 II = Shellfish Harvesting Waters
 III = Natural Trout Waters
 III-P = Natural Trout Waters and Public Water Supply
 IV = Recreational Trout Waters
 IV-P = Recreational Trout Waters and Public Water Supply

In Pennsylvania: WWF = Warm Water Fishes
 TSF = Trout Stocking
 CWF = Cold Water Fishes
 MF = Migratory Fishes
 HQ = High Quality Waters
 EV = Exceptional Value Waters

e. Crossing Type

1 = Intermittent minor waterbody - open cut (BMP 19)
 2A = Dry flumed crossing (BMP 17)
 2B = Dam & pump dry crossing (BMP 18)
 3 = Intermediate open cut (BMP 19) or coffer dam (BMP 18a)
 4 = Site specific plan (Appendix 2B-2)

f. Impact Type

T = Temporary
 P = Permanent

Acreages were calculated using polygon analysis and therefore totals may not always equate to a straight length times width calculation