

Appendix C
BNCC Water Management Structures

<i>Subwatershed (HUC12 code)</i>	<i>Total Watershed Acreage</i>	<i>Drainage</i>	<i>Navajo Mine Area</i>	<i>Impoundment Name</i>	<i>Type</i>	<i>Navajo Mine Pit</i>	<i>Intended Life Span</i>	<i>Watershed Area (acres)</i>	<i>Design Storm Event</i>	<i>Peak Discharge (cfs)</i>	<i>Runoff Volume (acre-feet)</i>	<i>Status</i>	<i>Percent Drainage Area Disturbed</i>
Morgan Lake-Chaco River 140801062008	32,637	Morgan Lake Tributary	I	Emma's Pond	Sediment	Pinto	Will be removed in 2025	91.50	100-yr, 6-hr	76.22	3.34	Active	0.28%
			I	North Pond Cell A, B & C (combined)	Sediment	Facilities	Will be removed in 2025	214.90	100-yr, 6-hr	138.4	11.39	Active	0.66%
			I	North Pond 1 Cell A	Sediment	Facilities	Will be removed in 2025	See Table 11-5U North Pond 1 Cells A, B & C	100-yr, 6-hr	See Table 11-5U North Pond 1 Cells A, B & C	See Table 11-5U North Pond 1 Cells A, B & C	Active	
			I	North Pond 1 Cell A2	Sediment	Facilities	Will be removed in 2025	51.90	100-yr, 6-hr	16.3	2.67	Active	
			I	North Pond 1 Cell B	Sediment	Facilities	Will be removed in 2025	See Table 11-5U North Pond 1 Cells A, B & C	100-yr, 6-hr	See Table 11-5U North Pond 1 Cells A, B & C	See Table 11-5U North Pond 1 Cells A, B & C	Active	
			I	North Pond 1 Cell C	Sediment	Facilities	Will be removed in 2025	See Table 11-5U North Pond 1 Cells A, B & C	100-yr, 6-hr	See Table 11-5U North Pond 1 Cells A, B & C	See Table 11-5U North Pond 1 Cells A, B & C	Active	
Total								306.4		214.6	14.7		0.94%
Chinde Wash-Chaco River 140801062007	14,225	Hosteen Wash	II	North Pinto Pond	Sediment	Pinto	Will be removed in 2025	76.90	100-yr, 6-hr	42.2	3.6	Active	0.54%
			II	North Sewer Pond	Sediment	Facilities	Will be removed in 2025	2.20	100-yr, 6-hr	6.43	0.38	Active	0.02%
			II	Pond 5	Sediment		Will be removed in 2025	41.90	100-yr, 6-hr	36.53	1.92	Active	0.29%
		Barber Arroyo	II	Vinnel Pond	Sediment	Bighan	Will be removed in 2006	276.50	10-yr, 24-hr	11.06	4.78	Active	1.94%
			II	Hosteen Stockpile Pond 1	Sediment	Hosteen	Will be removed in 2025	155.54	10-yr, 24-hr	22.17	4.01	Active	1.09%
			II	Hosteen Stockpile Pond 2	Sediment	Hosteen	Will be removed in 2025	122.80	10-yr, 24-hr	26.55	4.36	Active	0.86%
			II	Hosteen Stockpile Pond 3	Sediment	Hosteen	Will be removed in 2025	135.20	100-yr, 6-hr	68.03	6.76	Active	0.95%
			II	Barber Loadout	Sediment	Barber	Will be removed in 2025	3.60	100-yr, 6-hr	8.01	0.33	Active	0.03%
			II	Barber Stockpile Pond 2	Sediment (I)	Barber	Will be removed in 2025	106.60	100-yr, 6-hr	82.12	5.72	Active	0.75%
			II	Barber Stockpile Pond 3	Detention	Barber	Will be removed in 2025	59.80	10-yr, 24-hr	4.28	1.13	Active	0.42%
		South Barber Arroyo	III	Block-C Pond 1	Sediment	Block C	Will be removed in 2015	49.48	100-yr, 6-hr	38.54	2.49	Active	0.35%
			III	Block-C Pond 2	Sediment	Block C	Will be removed in 2015	66.64	100-yr, 6-hr	62.1	4.42	Active	0.47%
			III	Block-C Pond 3	Sediment	Block C	Will be removed in 2015	269.20	10-yr, 24-hr	74.52	10.48	Active	1.89%
III	Block-C Pond 4		Sediment	Block C	Will be removed in 2015	262.64	100-yr, 6-hr	128.27	13.19	Active	1.85%		
Total							1,629.0		610.8	63.6		11.45%	
Coal Creek-Chaco River 140801062005	28,235	Neck Arroyo	II	Area III Sewer Pond	Sewage	Facilities	Will be removed in 2025	1.20	100-yr, 6-hr	2.67	0.11	Active	0.00%
		Lowe Arroyo	III	Area III Sewage Pond-2	Sediment	Facilities	Will be removed in 2025	N/A	N/A	N/A	N/A		
			III	Mason Pond	Sediment	Barber	Will be removed in 2015	133.20	100-yr, 6-hr	96.4	7.2	Active	0.47%
			III	South Barber Pond	Sediment	Barber	2016	157.40	100-yr, 6-hr	70	5.43	Active	0.56%
			III	Employee Coal Dump	Sediment	Barber	2015	6.20	100-yr, 6-hr	12.12	0.53	Active	0.02%
			III	Lowe Highwall Pond 304	Highwall Impoundment	Lowe		416.70					1.48%
			III	Lowe Highwall Pond 305	Highwall Impoundment	Lowe		933.00					3.30%
			III	Lowe Hole 3 Pond 2	Highwall Impoundment	Lowe	Will be removed in 2025	628.37	2-yr, 6-hr	23.8	7.7	Active	2.23%
			III	Lowe Hole 3 Pond 3	Highwall Impoundment	Lowe	Will be removed in 2009	39.61	100-yr, 6-hr	32.45	2.01	Active	0.14%
			III	Lowe Impoundment 1	Highwall Impoundment	Lowe	Permanent	1642	25-yr, 6-hr	241.9	50.04	Active	5.82%
			III	Lowe Loadout	Sediment	Lowe	Will be removed in 2025	3.40	100-yr, 6-hr	7.57	0.31	Active	0.01%
			III	Lowe Railroad Impoundment #1	Sediment	Lowe	This pond will be	105.73	100-yr, 6-hr	39.73	6.84	Active	0.37%
			III	Lowe Railroad Impoundment #2	Sediment	Lowe	Will be removed in 2025	133.27	10-yr, 24-hr	103.67	6.65	Active	0.47%
III	Lowe Stockpile Pond	Sediment	Lowe	Will be removed in 2025	51.80	10-yr, 24-hr	13.35	2.99	Active	0.18%			
Total								4,251.9		643.7	89.8		15.06%

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Cottonwood Arroyo 140801062002	29,845	North Fork Cottonwood Arroyo	III	Lowe-Dixon Diversion North Pond	Sediment	Lowe	Will be mined out in Lowe Strip 66	7.40	100-yr, 6-hr	10.06	0.81	Removed	0.02%
			III	Lowe-Dixon Diversion South Pond	Sediment	Lowe	Will be mined out in Dixon Strip 68	33.30	100-yr, 6-hr	40.46	3.64	Active	0.11%
			III	Northwest Dixon	Sediment	Dixon	Will be removed in 2025	62.20	100-yr, 6-hr	47.84	4.42	Active	0.21%
			III	North Fork Pond	Impoundment	Dixon		198.70				Active	0.67%
			III	Pond 302	Sediment	Dixon	2016	41.70	100-yr, 6-hr	Refer to Appendix 11-AA	3.8	Active	0.14%
		III	Collyer Road Pond #4	Sediment	Dixon	Will be removed in 2009	142.1 – AOC topo (72.3– Current topo)	100-yr, 6-hr	81.9/(40.1)	10.0/(2.4)	Active	0.00%	
		III	Pond 301	Sediment	Dixon	2016	32.90	100-yr, 6-hr	Refer to Appendix 11-AA	2.4	Active	0.11%	
		III	South Dixon Pond 1	Sediment	Dixon	Will be removed in 2009	296.46	10-yr, 24-hr	73.11	6.63	Active	0.99%	
		III	South Dixon Pond 2	Sediment	Dixon	Will be removed in 2009	28.40	100-yr, 6-hr	23.15	1.33	Active	0.10%	
		III	South Dixon Pond 3	Sediment	Dixon	Will be removed in 2009	28.18	100-yr, 6-hr	22.6	1.05	Active	0.09%	
		III	South Dixon Pond 7	Sediment	Dixon	Will be removed in 2009	82.00	10-yr, 24-hr	54.34	5.62	Active	0.27%	
		III	Southwest Dixon Pond	Sediment	Dixon	Will be removed in 2009	37.80	100-yr, 6-hr	33.33	2.01	Active	0.13%	
		IVN	Area 4 North Pond 1	Sediment		2016	40.40	100-yr, 6-hr	44	3.92		0.14%	
		IVN	Area 4 North Pond 2	Sediment		2016	35.50	100-yr, 6-hr	49.6	3.44		0.12%	
		IVN	Area 4 North Pond 3	Sediment		Until completion of final reclamation	8.60	100-yr, 6-hr	Refer to Appendix 11-AA	0.8	Active	0.03%	
		IVN	Area 4 North Pond 4	Sediment		Until completion of final reclamation	46.30	100-yr, 6-hr	Refer to Appendix 11-AA	4.5	Active	0.16%	
		IVN	Area 4 North Pond 5	Sediment		2016	254.03	10-yr, 24-hr	103.9	13.75		0.85%	
		IVN	Area 4 North Pond 6	Sediment		2016	356.60	100-yr, 6-hr	50.8	14.73		1.19%	
		IVN	Area 4 North Pond 7	Sediment		2016	84.10	100-yr, 6-hr	90	5.68		0.28%	
		IVN	Area 4 North Pond 401	Sediment		Until completion of final reclamation	20.80	100-yr, 6-hr	Refer to Appendix 11-AA	1.4	Active	0.07%	
		IVN	Area 4 North Pond 402	Sediment		Until completion of final reclamation	96.80	100-yr, 6-hr	Refer to Appendix 11-AA	6.8	Active	0.32%	
		IVN	Area 4 North Pond 404	Sediment		2016	11.70	100-yr, 6-hr	Refer to Appendix 11-AA	1	Active	0.04%	
		IVN	Area 4 North Pond 405	Sediment		2016	90.60	100-yr, 6-hr	Refer to Appendix 11-AA	6.3	Active	0.30%	
		IVN	Area 4 North Pond 406	Highwall Impoundment			238.10				Active	0.80%	
		IVN	Area 4 North Pond 407	Highwall Impoundment			124.80				Active	0.42%	
		IVN	Area 4 North Pond 408	Sediment		Until completion of final reclamation	6.18	100-yr, 6-hr	Refer to Appendix 11-AA	0.4	Active	0.02%	
IVN	Area 4 North Pond 409	Sediment		Until completion of final reclamation	2.83	100-yr, 6-hr	Refer to Appendix 11-AA	0.2	Active	0.01%			
IVN	Area 4 North Pond 410	Sediment		Until completion of final reclamation	2.37	100-yr, 6-hr	Refer to Appendix 11-AA	0.17	Active	0.01%			
IVN	Area 4 North Pond 411	Sediment		Until completion of final reclamation	12.50	100-yr, 6-hr	Refer to Appendix 11-AA	1.2	Active	0.04%			
IVN	Area 4 North Pond 412	Sediment		Until completion of final reclamation	30.60	100-yr, 6-hr	Refer to Appendix 11-AA	3	Active	0.10%			
IVN	Area 4 North Pond 413	Sediment		Until completion of final reclamation	6.80	100-yr, 6-hr	Refer to Appendix 11-AA	0.6	Active	0.02%			
Total								2,460.8		725.1	109.6		8.25%