

**2015 CHANNEL MANAGEMENT & PLACEMENT SITE ACTIVITIES SUMMARY - ST PAUL DISTRICT**

POOL	DESCRIPTION OF WORK	RIVER MILE	WORK TYPE	DATES	EQUIP	DREDGING (CY)	ROCK (TONS)	COMMENTS/NOTES
4	Reads Landing	762.7L	RE	10/22 - 10/26	MR			Expanded ponding area by digging out the existing pond and adding new sand bags. Established pipeline for discharge upstream of the location of the drop structures at a lower elevation than the drop structures. Bowled out the remainder of the site.
4	Crats Island	759.3L	RE	5/1 - 5/15	MR			Expanded ponding area on the upstream side of the site. Relocated drop structures upstream of current location. Bowled out the entire site. Completed minor cleaning and grubbing prior to the excavation contract.
4	Teepeeota Point (1)	757.5L	RE	5/1 - 5/15	MR			Expanded ponding area on the downstream side of the site. Additional berm material was needed to enhance the berms on the downstream end.
4	Teepeeota Point (2)	757.5L	RE	10/13 - 10/19	MR			Bowled out upstream portion of the placement site after dredged material placement by the Goetz on 7/16 and M&R on 10/13.
4	Grand Encampment	756.5L	EX	5/1 - 9/25	CT	359,358		Excavation contractor continued to remove material from the temporary placement site and offload at the upland Alma Marina site. The final resting location for excavated dredged material varied.
4	Grand Encampment	756.5L	RE	10/20 - 10/21	MR			Established pipeline for discharge at the placement site after the contract excavation had been completed.
5	Lost Island	744.7L	RE	4/29 - 5/12	MR			Expanded ponding area on the upstream side of the site. Dug out the ponding area to the greatest extent possible.
5A	Fountain City 1	731.9L	RE	5/18 - 6/12	MR			Bowled out and expanded site, pushing material upstream from the drop structures at the downstream end. Dug out drop structures and expanded the ponding area.
8	Brownsville Containment	688.7R	RE	5/18 - 5/29	MR			Bowled out ponding area as well as the remainder of the site following winter beneficial use. Removed pipeline used for discharge to esta
9	Lansing Highway Bridge	663.5L	RE	6/1 - 6/5	MR			Shaped site for hydraulic placement following winter beneficial use. Swallow prevention was also obtained by knocking down sheer vertical faces prior to nesting.
10	McMillan Island	618.7R	EX	10/5 - 11/23	CT	151,672		Excavation contractor removed

**Key**

BS	Bank Stabilization	CH	Contract Hydraulic
CL	Closure	CM	Contract Mechanical
DS	Drop Structure	DBQ	COE Dredge Dubuque
EX	Excavation	MR	COE Maintenance & Repair Unit
FB	Fabrication	GTZ	COE Dredge Goetz
IN	Installation	IDNR	Iowa Department of Natural Resources
IS	Island	MDNR	Minnesota Department of Natural Resources
LS	Landscaping	WDNR	Wisconsin Department of Natural Resources
RE	Reshaping	RNR	COE Natural Resource Management Project Office
WD	Wing Dam		
SM	Structure Modification		

**2016 CHANNEL MANAGEMENT & PLACEMENT SITE ACTIVITIES SUMMARY - ST PAUL DISTRICT**

POOL	DESCRIPTION OF WORK	RIVER MILE	WORK TYPE	DATES	EQUIP	DREDGING (CY)	ROCK (TONS)	COMMENTS/NOTES
4	Reads Landing	762.7L	RE	5/25 - 6/3	MR			Pipeline outfall has silted in after high water, will need to dig out the discharge structure. Material that was placed mechanically last year needs to be bowled out. Ponding area needs to be expanded and riverward berm needs to be enhanced. Site should be prepared to handle substantial material from the Chippewa Delta and the channel.
4	Crats Island	759.3L	RE	6/6 - 6/10	MR			Ponding area is in good shape, though the site could be bowled out to accommodate additional material placement. Priority of work will be dependent on channel conditions.
4	Crats Island	759.3L	EX	8/2 - 11/30	CT	450,000		Excavation of material that will be placed at the Wabasha Gravel Pit placement site. 150,000 cy of material was relocated from the Wabasha Gravel Pit to the Wabasha Sand & Gravel site to provide additional capacity.
5	Above West Newton	748.0R	RE	5/2 - 5/6	MR			Fill in notch on riverward berm mid-site. Leave drop structures at higher elevation for long term use and establish pipeline at a lower elevation (~5' above ponding area) to discharge in the near term.
5	Above Fisher Island	745.8R	RE	4/25 - 4/29, 5/11 - 5/24	MR			M&R will utilize dredge material from the Fisher Island dredge cut to close off the berm on the riverward side of the site. Existing drop structures will be dug out and baffles will be removed.
5	Lost Island	744.7L	RE	5/9 - 5/13	MR			Need to remove drop structures by the end of the 2016 season due to the excavation contract anticipated to begin in the spring of 2017. Dig out ponding area and bowl out upstream portion of the site adjacent to the ponding area. Vertical faces currently existing within the ponding area will be modified to deter swallow nesting.
5A	Fountain City 1	731.9L	RE	3/21 - 4/15	GTZ/MR			M&R and Dredge Goetz crews will assist in beneficial use removal by pushing material toward the upstream side of the site. This work will be combined with shaping to accommodate placement from Betsy Slough early in 2016.
5A	Fountain City 1	731.9L	RE	October (sporadic)	MR			M&R will complete additional shaping at the placement site after over 75K cy was placed at the site between the dredge Goetz and M&R dredging.
8	Above Brownsville	690.4L	EX	5/2 - 6/2	GTZ	150,693		Above Brownsville site will be partially offloaded, an estimated 150,000 cubic yards. A portion of the material (~80K cy) will be used beneficially at the Dresbach Interchange Project.
8	Brownsville Containment	688.7R	RE	3/28 - 4/8	MR			Site shaping required for Above Brownsville partial offload. Material that was placed mechanically last year will need to be pushed toward the fence line, to channel the flow of water toward the ponding area. The channel to the ponding area needs to be opened as well. Zebra mussel shells from the LD9 dewatering will be buried within the placement site.
9	Lansing Hwy Bridge	663.5L	RE	4/11 - 4/22	MR			Berm needs to be closed off after winter beneficial use. Material will be used from within the site, mostly adjacent to the drop structures.

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SM	Structure Modification
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CM	Contract Mechanical
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IDNR	Iowa Department of Natural Resources
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**2017 CHANNEL MANAGEMENT & PLACEMENT SITE ACTIVITIES SUMMARY - ST PAUL DISTRICT**

POOL	DESCRIPTION OF WORK	RIVER MILE	WORK TYPE	DATES	EQUIP	DREDGING (CY)	ROCK (TONS)	COMMENTS/NOTES
4	Crats Island	759.3L	EX	4/17 - 7/27	CT	405,000		421,000cy of 826,000cy was removed in 2016. The remaining 405,000cy was removed this season, completing the project on 7/27.
5	Lost Island	744.7L	EX	7/19 - ?	CT			Site unloading began on 7/19, start was delayed due to Eagle nesting on Lost Island. Contractor has until 12/2019 to complete unload.
5	Lost Island	744.7L	RE	5/18	MR			Removed drop structures in advance of the unloading.
5	Above Fisher Island	745.8R	RE	5/16 - 5/23	MR			Dug out ponding area and used material to enhance the berm on the river side.
5A	Fountain City 1	731.9L	RE	5/24 - 6/2	MR			Relocate material in order to re-establish haul road along the northern boundary of the site, will allow truck access to rip-rap stockpile.
5A	Wilds Bend	730.5L	RE	5/9 - 5/15	MR			Bowled out site, pushing material u/s from the drop structures. Dug out and expanded ponding area. Enhanced intermediate berm to direct the flow of water. Continue to utilize pipeline to discharge.
6	Mosquito Island	722.0L	IS	7/27 - 9/29	MR			O&M project utilizing dredged material from the channel throughout Pool 6 to restore the upstream portion of Mosquito Island.
8	Brownsville Containment	688.7R	RE	4/26 - 5/08	MR			Material that was placed mechanically was pushed toward the fenceline, to channel the flow of water toward the ponding area. The channel to the ponding area was opened as well.
9	Lansing Hwy Bridge	663.5R	RE	3/30 - 4/10	MR			Closed off the berm at the site utilizing material removed from the front of the drop structures.
9	Lansing Island	664.3L	RE	4/11 - 4/25	MR			Pipeline was established which will act as discharge structure during hydraulic placement, dug out the ponding area.

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**2018 CHANNEL MANAGEMENT & PLACEMENT SITE ACTIVITES SUMMARY - ST PAUL DISTRICT**

POOL	DESCRIPTION OF WORK	RIVER MILE	WORK TYPE	DATES	EQUIP	DREDGING (CY)	ROCK (TONS)	COMMENTS/NOTES
2	Shiely Pit	822.5L	RE	4/11-4/12, 4/23 - 4/27	MR			Spreading of ~15K cy of fine material on Lower Grey Cloud Island per specifications approved by the landowner. Work was deferred the week of 4/16 due to weather conditions.
4	Reads Landing	762.7L	RE	5/7 - 5/18	MR			Ponding area and drop structures are in decent shape, will dig out ponding area as much as possible to extend use of site. Bowl out entire site and expand wing berm approaching ponding area riverward. Push material stockpiled on upstream side of site further upstream to increase footprint.
4	Reads Landing	762.7L	RE	10/18 - 10/26	GZ			Digging out ponding area and bowling out site to create additional capacity.
4	Crats Island	759.3L	EX	5/23	MR			Re-establish drop structures following the Crats Island excavation. May have to wait for water to recede.
4	Teepeeota Point	757.5L	RE	5/21 - 6/1	MR			Fair amount of material that carried toward drop structures needs to be bowled out and relocated toward the upstream end of the site. Wing berm needs to be widened to enable material to settle further from the ponding area. Middle of the hydraulic portion of the site can be expanded outward to operational limits. Dig out ponding area.
4	Alma Marina	754.0L	RE	5/14 - 5/25	MR			Reshaping to move material from the riverward side to the back of the placement site to accommodate future placement and rock loading.
5	Lost Island	744.7L	CT	4/30 - 11/30	CT	900,000		Site unloading began on 7/19/2017, 2017 start was delayed due to Eagle nesting on Lost Island. Resumed operations 4/30/2018. Contractor has until 12/2019 to complete unload.
5A	Fountain City 1	731.9L	RE	5/1 - 5/18, 10/22 - 10/26	GZ			Move material from ponding area toward beneficial use area. Dig out ponding area and bowl out site to accommodate additional material.
6	Mosquito Island	722.0L	IS	3/27	MR/RN			M&R to assisted with final grading of the topsoil placed on the island in the fall of 2017. RNR seeded the island concurrently.
6	Homer	720.5R	RE	6/5 - 6/6	MR			Reshaping to reduce stockpile height.
9	Lansing Island	664.3R	EX	10/1 - 11/30	CT			Mechanical Unload Contractor is removing up to 100,000 cy of material from the Lansing Island site to restore capacity. The material is being placed at the Lansing Highway Bridge placement site.

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**2019 CHANNEL MANAGEMENT & PLACEMENT SITE ACTIVITES SUMMARY - ST PAUL DISTRICT**

POOL	DESCRIPTION OF WORK	RIVER MILE	WORK TYPE	DATES	EQUIP	DREDGING (CY)	ROCK (TONS)	COMMENTS/NOTES
2	Pine Bend	823.8L	RE	10/7 - 10/30	CT	57,000		Partial excavation of Pine Bend, material will be barged upriver and placed at the Southport placement site.
3	Hastings Site	815.1	RE	8/5 - 8/9	MR			Site preparation for future placement, laying down breaker rock to establish a truck turn-around and minor vegetation clearing, removal of four Cottonwood trees.
3	Corps Island	799.2R	EX	9/16 - 12/6	CT	500,000		Contract awarded 9/2018 for excavation of 500Kcy. Construction began 16 SEP, anticipate completion by 06 DEC.
4	Reads Landing	762.2L	RE	5/12 - 5/19, 6/26 - 7/12	MR			Downstream berms are low, need to be built up. Relocate material back upstream and build up berms. Dig out ponding area.
4	Crats Island	759.3L	RE	7/15 - 7/26	MR			Bowl out the downstream side of the placement site so Goetz pipeline can enter the site further downstream for longer spill, extend berm riverward throught the entirety of the site.
4	Teepeeota Point	757.5L	RE	7/29 - 8/2	MR			Bowl out the upstream side of the placement site and expand berm.
4	Grand Encampment	756.5L	RE	5/20 - 5/25, 8/5 - 8/16	MR			Bowl out the upstream side of the placement site, dig ponding area out and establish wing berm on the downstream side of the placement site.
5	Fisher Island	745.8R	RE	5/29 - 6/5	MR			Dig out ponding area and utilize material to increase berm width on the riverward and landward sides. Site will also need to be bowled out to increase capacity.
5	Lost Island	744.7L	EX	4/19 - 11/22	CT	184,000		2019 is year 3 of 3-year unload contract. Island unload work completed on 21 JUN. ~1.3Mcy (1.263Mcy) unloaded 2017-2019. Seeding and mulching completed 22 NOV.
5A	Fountain City 1	731.9L	RE	6/6 - 6/24	MR			Site will need to be bowled out on the upstream side to accommodate future hydraulic placement.
8	Brownsville Containment	688.7R	RE	8/22 - 9/20, 10/7 - 10/11	MR			Dig out ponding area, bowl out site, expand footprint of placement site toward beneficial use removal area. Lots of material will need to be pushed from willows adjacent ponding area back toward beneficial use removal area. Site shaping is required prior to hydraulic placement, once Bank Swallows have completed the nesting process. Fence rehabilitation was also completed.
9	Lansing Island	664.3R	RE	8/19 - 8/21	MR			Need to bowl out upper end of site and expand berms. Construct closure berm and establish discharge pipe.

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