

Hurricane Matthew: Upland Sources of Sand for Potential Use as Fill or for Beach Nourishment

This list summarizes the characteristics of sand from quarries that are within 100 miles of beaches significantly impacted by Hurricane Matthew. The materials described below may be suitable for use as fill or for beach nourishment. This list is intended to assist local governments that are issuing Coastal Construction Control Line emergency permits under the Department's Emergency Final Order No. 16-1319 (dated Oct. 5, 2016). This list only includes sand from quarries that provided the Department with adequate data for review by 10 JANUARY 2017 -- the list may be superseded as the Department receives additional information. The Department does not endorse any mine or product listed below.

The data on sediment characteristics and mine production set forth in this table were obtained from quarry owners/operators or derived from such data.

Owner/Contractor is responsible for ensuring that only beach-compatible fill (as defined at Section 62B-41.007(2)(j) of the Florida Admin. Code) is placed on the beach. Inclusion on this list does not constitute the Department's blanket approval for a given mine or product. Owner/Contractor may request use of sand sources that are not included on this list. The request should be submitted to the Department, accompanied by complete geotechnical data required for review.

Mine Information			Sediment Characteristics ¹ (data provided by mine owner/operator; some statistics calculated by Department from data provided by mine owner/ operator)					Production Info ¹ (data provided by mine owner/operator)		Recipient Beach/ County		Mine Contact Information
Company	Mine Name	Product	Mean Grain Size	Sorting (mm)	Silt %	Munsell Color	Carbonate Content (%)	Stockpile Volume	Production Rate	Mine Location	Estimated Distances between Impacted Beaches and Mine (in miles)	
JAXPORT	Buck Island DMMA	Beach Sand	0.20 mm	0.02	0.30	10YR 7/1	0.012	150,000 cy		13265 Fort Caroline Road, Jacksonville, FL 32225 (closest address)	South Ponte Vedra (35); Vilano Beach (41); Crescent Beach (56); Flagler Beach (76)	Ellen Carmosino, Construction Program Administrator, 904-357-3093 Ellen.Carmosino@jaxport.com
BigHorse Aggregates	Big Horse Aggregates	Back 40 Sand	0.39 mm	0.84	1.15		3.10%			358 Merryfield Lane, Hastings, FL 32145	South Ponte Vedra (29); Vilano Beach (23); Crescent Beach (27); Flagler Beach (40); New Smyrna Beach (73)	John Williams 904-599-5274 jwilliams@bighorseaggregates.com
BigHorse Aggregates	Big Horse Aggregates	Re-processed Concrete Sand	0.24 mm	1.23	1.08		2.60%			358 Merryfield Lane, Hastings, FL 32145	South Ponte Vedra (29); Vilano Beach (23); Crescent Beach (27); Flagler Beach (40); New Smyrna Beach (73)	John Williams 904-599-5274 jwilliams@bighorseaggregates.com
Vulcan	Grandin	DOT Sand #1/ Concrete	0.52 mm	1.15	0.04	2.5Y 8/1	0.3		8000 tons/month	1451 State Road 100, Melrose, FL 32666	South Ponte Vedra (60); Vilano Beach (52); Crescent Beach (56); Flagler Beach (58); New Smyrna Beach (93)	Kim Thompson thompsonk@vmcmail.com 239-633-3648 (cell)
Vulcan	Grandin	Tailings Sand #1 (Fine Beach)	0.20 mm	0.47	0.02	2.5Y 8/1	0.54	100,000 tons		1451 State Road 100, Melrose, FL 32666	South Ponte Vedra (60); Vilano Beach (52); Crescent Beach (56); Flagler Beach (58); New Smyrna Beach (93)	Kim Thompson thompsonk@vmcmail.com 239-633-3648 (cell)
Vulcan	Grandin	Masonry Sand	0.24 mm	0.66	0.04	2.5Y 8/1	0.22	10,000 tons	7000 tons/month	1451 State Road 100, Melrose, FL 32666	South Ponte Vedra (60); Vilano Beach (52); Crescent Beach (56); Flagler Beach (58); New Smyrna Beach (93)	Kim Thompson thompsonk@vmcmail.com 239-633-3648 (cell)

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Vulcan	Keystone (Goldhead)	Masonry Sand	0.28	0.63	0.31	10YR 7/1	0.43			6547 Keystone Heights, Keystone Heights, FL 32656	South Ponte Vedra (60); Vilano Beach (54); Crescent Beach (62); Flagler Beach (70)	Kim Thompson thompsonk@vmcmail.com 239-633-3648 (cell)
Vulcan	Keystone (Goldhead)	Regular Concrete Sand	0.44	0.90	0.09	10YR 7/1	0.38			6547 Keystone Heights, Keystone Heights, FL 32656	South Ponte Vedra (60); Vilano Beach (54); Crescent Beach (62); Flagler Beach (70)	Kim Thompson thompsonk@vmcmail.com 239-633-3648 (cell)
Vulcan	Astatula	Concrete Sand	0.36	0.62	0.05	7.5YR 7/2	0.52			27222 CR 561 Astatula, FL 34705	New Smyrna Beach (68); Flagler Beach (80); Crescent Beach (97); South Ponte Vedra, FL (110)	Kim Thompson thompsonk@vmcmail.com 239-633-3648 (cell)
Vulcan	Astatula	Masonry Sand	0.27	0.53	0.03	7.5YR 7/2	0.77	2,000,000 tons		27222 CR 561 Astatula, FL 34705	New Smyrna Beach (68); Flagler Beach (80); Crescent Beach (97); South Ponte Vedra, FL (110)	Kim Thompson thompsonk@vmcmail.com 239-633-3648 (cell)
Vulcan	Keuka	Regular Concrete Sand	0.44	0.97	0.08	10YR 8/3	0.65			400 Keuka Road Interlachen, FL 32148	Vilano Beach (64); Crescent Beach (60); Flagler Beach (60); New Smyrna Beach (100)	Kim Thompson thompsonk@vmcmail.com 239-633-3648 (cell)
Edgar Minerals		C-20/EGS	0.18 mm	1.61	0.20			200,000 tons	1400-1800 tons/day	651 Keuka Road, Edgar, FL 32640	South Ponte Vedra (59); Vilano Beach (53); Crescent Beach (56); Flagler Beach (69); New Smyrna Beach (93)	Phil Labert; Ashley Link
Edgar Minerals		Concrete	0.42 mm	2.60	0.00			1000 tons	5000 tons/week	652 Keuka Road, Edgar, FL 32640	South Ponte Vedra (59); Vilano Beach (53); Crescent Beach (56); Flagler Beach (69); New Smyrna Beach (93)	Phil Labert; Ashley Link
E R Jahna	Green Bay	Mason	0.22 mm	0.47	1.10	10YR 7/1				4949 Sand Mine Rd, Davenport, FL 33897	New Smyrna Beach (90)	Adell Jahna ajahna@jahna.com 863-676-9431; 863-443-0784
E R Jahna	Green Bay	Commercial Concrete	0.38 mm	0.90	0.20	10YR 7/1				4949 Sand Mine Rd, Davenport, FL 33897	New Smyrna Beach (90)	Adell Jahna ajahna@jahna.com 863-676-9431; 863-443-0784
E R Jahna	Independent North	Commercial Concrete	0.44 mm	0.89	0.20	10YR 7/1				8455 County Rd 474, Clermont, FL 34714	New Smyrna Beach (88)	Adell Jahna ajahna@jahna.com 863-676-9436 863-443-0786
E R Jahna	Independent North	Mason	0.25 mm	0.61	1.10	10YR 7/1				8455 County Rd 474, Clermont, FL 34714	New Smyrna Beach (88)	Adell Jahna ajahna@jahna.com 863-676-9436 863-443-0787

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Cemex	Davenport	Coarse Beach Sand	0.524 mm	1.60	0.00	10YR 7/1	0.44			Cemex Davenport Mine, 2200 Hwy 17-92, Davenport FL 33837	New Smyrna Beach (90)	Rick Diaz 813-433-4539 richarda.diaz@cemex.com; 863-424-1469
Cemex	Davenport	Medium Beach Sand	0.33 mm	0.24	0.10	10YR 7/1	0.40			Cemex Davenport Mine, 2200 Hwy 17-92, Davenport FL 33837	New Smyrna Beach (90)	Rick Diaz 813-433-4539 richarda.diaz@cemex.com; 863-424-1469
Titan America		Mason	0.28 mm	1.47	<2.2			9,000 tons	9000 tons/month	16375 Hartwood Marsh Road, Clermont, FL 34711	New Smyrna Beach (79); Flagler Beach (95)	Tom Zimmerman 813-376-0014 tzimmerman@titanamerica.com
Titan America		Asphalt	0.28 mm	1.40	<1.2			10,000 tons	20,000 tons/month	16375 Hartwood Marsh Road, Clermont, FL 34711	New Smyrna Beach (79); Flagler Beach (95)	Tom Zimmerman 813-376-0014 tzimmerman@titanamerica.com

Notes:

¹ A blank indicates that the data were not provided.