

# MD Construction Acres

- MD Data
  - Erosion and Sediment Control Plans, General Construction Permits (NOIs - NPDES), and Grading Permits
  - Erosion and Sediment Control Plans
    - Plans need to be reviewed and approved by proper authorities
      - Delegated Jurisdictions
        - » Counties (mostly the Phase I MS4s)
        - » Some municipalities
      - State
        - » MDE (for non-delegated jurisdictions)

# MD Construction Acres

## EROSION AND SEDIMENT CONTROL DELEGATED JURISDICTIONS



260,000 130,000 0 260,000 Feet

Map Date - 18 January 2013



Martin O'Malley, Governor  
Anthony G. Brown, Lt. Governor  
Robert M. Summers, Ph.D, Secretary



# MD Construction Acres

- General Construction Permit
  - NPDES Program
  - Delegated to MDE by EPA
  - Required for any construction activity > 1 acre
  - NOI issued once sediment and erosion control plan approved by MDE or counties/municipalities (SCDs)

# MD Construction Acres

- Estimating Disturbed Acres
  - Based on estimated “disturbed” acres in sediment and erosion control plans
  - Major Projects
    - Grading (Building) Permits
      - Require engineered erosion and sediment control plan
  - Minor Projects
    - Only require a standard erosion and sediment control plan
      - » Issued by County SCDs
    - Generally for minor earth disturbances and single-lot residential agreements

# MD Construction Acres

- Potential Issues
  - Erosion and sediment control plans do not equate to actual on-ground disturbance
    - Permits can be active for 5 years
    - No disturbance could ever be initiated
      - Economic reasons, etc.
- Not an issue
  - Total project acres vs. “disturbed” acres

# MD Construction Acres - Delegated

MARYLAND DEPARTMENT OF THE ENVIRONMENT STATE AND LOCAL EROSION AND SEDIMENT CONTROL INSPECTION AND ENFORCEMENT DATA - 2012																	
		PERMITS					INSPECTOR			INSPECTIONS			ENFORCEMENT				
		MAJOR	MINOR	TOTAL	NUMBER ACTIVE	DISTURBED ACREAGE	NUMBER	PERMITS PER	ACRES PER	ANNUAL TOTAL	PER INSPECTION	DAILY AVERAGE	COMPLIANTS RECEIVED	VIOLATION NOTICES	STOP WORK ORDERS	COURT CASES	PENALTIES
COUNTY	ANNE ARUNDEL	336	427	763	1,028	1,091	13	79	84	15,406	1,185	4.9	836	1,489	178	58	408,427
	BALTIMORE	133	72	205	268	2,032	7	38	290	6,156	879	3.7	348	660	120	3	75,900
	CALVERT (partial)	887	21	908	344	815	3	115	272	3,095	1,032	4.3	92	147	50	1	625
	CARROLL	162	1,041	1,203	843	1,577	5	169	315	2,152	430	1.8	62	12	8	0	0
	CECIL	159	0	159	135	200	2	68	100	339	170	0.7	20	89	21	0	0
	CHARLES	610	23	633	545	4,444	6	99	808	2,804	510	2.1	55	58	58	0	29,184
	DORCHESTER	7	12	18.5	3	1	1	3	1	140	140	0.6	0	0	0	0	0
	FREDERICK	122	377	499	111	377	2	56	189	1,896	948	4.0	21	263	2	0	3,875
	HARFORD	70	128	198	265	1,092	4	66	273	2,601	650	2.7	53	1,561	26	0	0
	HOWARD	94	157	251	117	48	19	6	3	6,201	326	1.4	53	136	3	0	250
	KENT	3	72	75	7	5	2	4	3	93	47	0.2	4	3	3	0	6,400
	MONTGOMERY	434	88	522	530	2,689	11	48	244	15,569	1,415	5.9	265	492	47	190	65,263
	PRINCE GEORGE'S	52	0	52	609	6,513	15	41	434	14,447	963	4.0	470	127	37	38	21,540
WORCHESTER	181	0	181	150	185	2	75	93	763	382	1.6	14	23	28	0	0	
	TOTAL	3,249	2,417	5,666	4,955	21,068	92	865	3,108	71,661	9,077	38	2,290	5,058	581	290	611,464
MUNICIPALITY	ANNAPOLIS	24	41	64	43	33	2	29	22	964	643	2.7	34	223	25	4.5	10,675
	ABERDEEN	8	16	24	13	143	1	13	143	100	100	0.4	4	20	1	0	0
	BALTIMORE CITY	320	0	320	171	470	5	34	94	732	146	0.6	16	8	5	0	550
	BEL AIR	2	6	8	2	6	1	2	6	59	59	0.2	5	3	1	0	0
	BOWIE	2	0	2	1	12	1	1	12	28.5	28.5	0.1	0	0	0	0	0
	GAITHERSBURG	17	1	18	8	91	2	5	61	401	267	1.1	4	5	0	0	0
	GREENBELT	4	0	4	3	79	2	2	40	89	45	0.2	2.5	25	1	0	750
	LAUREL	1	46	47	6	25	2	3	12	50	25	0.1	0	2	0	0	0
	ROCKVILLE	36	0	36	22	38	1	22	38	603	603	2.5	10	45	0	0	0
		TOTAL	412	109	521	269	897	16	111	428	3,027	1,916	8	74	329	33	5
STATE	WSSC	189	0	189	76	258	4	19	65	1,676	419	1.7	8	97	1	0	1,500
	WMA**	6,807	6,163	12,970	12,970	67,200	11	1,148	5,947	3,795	336	1.4	298	91	5	2	644,036
	TOTAL	6,996	6,163	13,159	13,046	67,458	15	1,167	6,011	5,471	755	3	306	188	6	2	645,536
TOTAL		10,657	8,689	19,346	18,270	89,423	123	158	9,547	80,159	11,748	49	2,670	5,575	620	296	1,268,975

Information based on 2011 and 2012 delegation applications and reflects an annual average for a two-year period. Daily inspection average based on a 240 man days/year.

Active Permits and associated Disturbed Acreage based on the number of Major Permits or primary inspection responsibility.

\*\*WMA information based on FY2012 and areas outside the Delegated Jurisdictions. Number on inspectors is based on full-time equivalency for erosion and sediment control.

Major Permits = grading, building, and sediment control permits usually associated with an engineered erosion and sediment control plan.

Minor Permits = permit usually associated with a standard erosion and sediment control plan for minor earth disturbances or single-lot residential agreements in lieu of requiring custom designed or engineered plans.

- Data available electronically from 2005-2012
- Data currently available in paper format from early 80's - 2005

# MD Construction Acres – Non-Delegated

APPNUM	DTAP	TOTALACRES	ACRESDIST	COUNTY	FIPS	CountyName	DTDF
08-SM-0603	28-Apr-08	100	0.03	SM	24037	Saint Marys	20-May-11
09-SM-0013	27-Jun-08	8.8	0.03	SM	24037	Saint Marys	16-Mar-11
08-SM-0461	01-Feb-08	0.04	0.04	SM	24037	Saint Marys	11-Jan-11
08-SM-0226	05-Sep-07	0.05	0.05	SM	24037	Saint Marys	16-Mar-11
10-GA-0168	10-Jun-10	0.8	0.08	GA	24023	Garrett	13-May-11
08-GA-0186	18-May-08	0.097	0.09	GA	24023	Garrett	19-Nov-10
08-GA-0101	17-Sep-07	0.461	0.1	GA	24023	Garrett	19-Nov-10
08-GA-0291	19-Jun-08	0.13	0.1	GA	24023	Garrett	19-Nov-10
08-GA-0253	25-May-08	0.115	0.1	GA	24023	Garrett	19-Nov-10
08-GA-0020	13-Jul-07	0.586	0.1	GA	24023	Garrett	19-Nov-10
10-SM-0193	30-Nov-09	1	0.1	SM	24037	Saint Marys	16-Mar-11
04-SF-0311	16-Jul-04	17.96	0.1	WA	24043	Washington	28-Jan-11
06-QA-0078	28-Sep-05	11.35	0.11	QA	24035	Queen Annes	11-Apr-11
07-SF-0042	31-Oct-06	0.12	0.12	AA	24003	Anne Arundel	16-Mar-11
08-SF-0100	07-Nov-07	0.13	0.12	AA	24003	Anne Arundel	11-Jan-11
10-SM-0048	02-Sep-09	0.5	0.12	SM	24037	Saint Marys	11-Jan-11
09-WO-0007	04-Oct-07	0.32	0.12	WO	24047	Worcester	29-Sep-10