Red indicates Prime Key

Table 1: NID data: Unchanging data

	Field Name	Comments	Field length	Source of Data	Units
1	nidid		char(10)	NID catalog	-
2	dam_nam		char(45)	NID catalog	-
3	other_dam_name		char(45)	NID catalog	-
4	dam_former_name		char(45)	NID catalog	-
5	stateid		integer	NID catalog	-
6	section_t_r		char(30)	NID catalog	-
7	county		char(30)	NID catalog	-
8	river		char(30)	NID catalog	-
9	owner_name		char(45)	NID catalog	-
10	owner_type		char(5)	NID catalog	-
11	dam_designer		char(63)	NID catalog	-
12	private_on_federal		char(5)	NID catalog	-
13	dam_type		char(6)	NID catalog	-
14	core		char(5)	NID catalog	-
15	foundation		char(5)	NID catalog	-
16	purposes		char(8)	NID catalog	-
17	year_completed		integer	NID catalog	years
18	year_modified		char(45)	NID catalog	years
19	downstream_hazard		char(5)	NID catalog	-
20	emergency_action_plan		char(5)	NID catalog	-
21	inspection_date		char(11)	NID catalog	-
22	inspection_frequency		char(10)	NID catalog	-
23	state_regulated_dam		char(2)	NID catalog	-
24	st_regulatory_agency		char(30)	NID catalog	-
25	spillway_type		char(5)	NID catalog	-
26	spillway_width		integer	NID catalog	feet
27	outlet_gates		char(10)	NID catalog	-
28	volume_dam		integer	NID catalog	$yards^3$
29	number_locks		char(10)	NID catalog	-
30	length_of_locks		char(10)	NID catalog	feet
31	width_of_locks		char(10)	NID catalog	feet
32	fed_funding		char(15)	NID catalog	-
33	fed_design		char(15)	NID catalog	-
34	fed_construction		char(15)	NID catalog	-
35	fed_regulatory		char(15)	NID catalog	-
36	fed_inspection		char(15)	NID catalog	-
37	fed_operation		char(15)	NID catalog	-
38	fed_owner		char(15)	NID catalog	-
39	fed_other		char(15)	NID catalog	-
40	source_agency		char(10)	NID catalog	-
41	drainage_area		float	user	

42	topo_map	name of the USGS topo map	char(22)	user	-
43	hsa		char(3)	user/has.poly	-
44	rfc		char(5)	user/rfc.poly	-
45	return_flow_region		integer	user/return.poly	-
46	longitude_dam		float	NID catalog	Decimal Degrees
47	latitude_dam		float	NID catalog	Decimal Degrees
48	dam_length		integer	NID catalog	feet
49	dam_height		integer	NID catalog	feet
50	structural_height		integer	NID catalog	feet
51	hydraulic_height		integer	NID catalog	feet
52	nid_height		integer	NID catalog	feet
53	max_discharge		integer	NID catalog	cfs
54	max_storage		integer	NID catalog	acre-feet
55	normal_storage		integer	NID catalog	acre-feet
56	nid_storage		integer	NID catalog	acre-feet
57	sa		integer	NID catalog	acres
58	elev		smallfloat	User/Arc View	feet MSL
59	prebreak_avail	check if a prebreak is available in the office	char(1)	user	-
60	update		datetime	user	datetime

Table 2: Starting Model Values

	Field Name		Field length	source	Units
1	nidid	nid identifier	char(10)	NID catalog	-
2	src	office running the model	char(3)	user	-
3	scenario	breach scenario	char(2)		
4	hde	starting water surface	float	user	feet MSL
5	bme	bottom of breach width	float	user	feet MSL
6	vol	starting volume	float	user	acre-ft
7	sa	starting surface area	float	user	acre
8	tfm	time of failure	float	user	hours
9	qo	additional flow to add in	float	user	cfs
10	bw	final breach width	float	user	feet
11	comment		char(30)	user	

Table 3: Downstream Information

	Field Name		Field length	source	Units
1	nidid	nid identifier	char(10)	NID catalog	-
2	src	office running the model	char(3)	user	-
3	down_num	sequence number for site below dam,at the dam =0	integer	user	-
4	xsec_type	origin of the cross section	char(2)	user	-
5	name		char(25)	user	-
6	longitude		float	GNIS catalog	Decimal Degrees
7	latitude		float	GNIS catalog	Decimal Degrees
8	elevation		float	GNIS/Arc View	feet MSL
9	distance_from_dam		float	NID catalog/ArcView	miles
10	flood_flow	estimated flow at flood stage	float	user/dambatch.tcl	cfs
11	flood_depth	estimated flood stage	float	user/dambatch.tcl	feet
12	flood_width	estimated width at flood stage	float	user/dambatch.tcl	feet
13	mann_oc				
14	update	datetime			

Table 4: Cross Section (elev/top width pairs)

	Field Name		Field length	source	Units
1	nidid	nid identifier	char(10)	NID catalog	-
2	src	office running the model	char(3)	user	-
3	down_num	sequence number for site below dam,dam=0	integer	user	-
4	pair_num	an indicator of the elev-tw pair,lowest = 0	integer	user	-
5	xsec_type	origin of the cross section	char(2)	user	-
6	elev	elevation of the pair	float	user	ft MSL
7	tw	top width of the pair	float	user	ft
8	mann_n	mannings n for the pair	float	user	-
9	inactive_width	inactive width of pair	float	user	ft

Table 5: Model Outputs (for a location)

	Field Name		Field length	source	Units
1	nidid	nid identifier	char(10)	NID catalog	-
2	src	office running the model	char(3)	user	-
3	scenario		char(2)		
4	down_num	sequence number for site below dam,dam=0	char(2)	user	-
5	xsec_type	origin of the cross section	char(2)	user	-
6	slope		float	model	feet / mile
7	max_flow	max flow at the location	float	model	cfs
8	max_depth	max depth at the location	float	model	feet
9	time_max_depth	time to the max depth at location	float	model	hours
10	time_flood	the time to reach flood flow/stage	float	model	hours
11	time_deflood	the time to fall below flood flow/stage	float	model	hours
12	comments		char(30)	user	-
13	update	date & time of update	date	dambatch.tcl	-

Table 6: Spillway or Storage Capacity

	Field Name		Field length	source	Units
1	nidid	nid identifier	char(10)	NID Cataog	-
2	type	S or C; S=Spillway C= Capacity	char(1)	user/owner	-
3	elevation	elevation of water surface	float	user/owner	feet [msl]
4	stordis	Q(cfs) if type = S; C(AF) if type= C	float	user/owner	cfs or acre-feet
5	Surface	C' -- surface area 'S' set to -1	float	user/owner	acre-feet