

GRANIT CONSERVATION/PUBLIC LANDS LAYER MAPPING AND AUTOMATION STANDARDS

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The GRANIT Conservation/Public Lands Layer contains a digital record of parcels of land of two or more acres that are mostly undeveloped and are protected from future development. Smaller parcels that adjoin previously mapped parcels or represent unique features, such as a bog or state-owned boat ramp, may also be included in the data layer.

Each **parcel** may comprise one or more tracts and thus may be represented by one or more features (polygons) in the spatial database. Multiple **tracts** may occur as a result of multiple acquisitions over time, single acquisitions from multiple owners, and/or a parcel that is bisected by a road or other base feature.

The data is archived in ARC/INFO as a combined polygon/line coverage and an associated data file (ADF file). The polygon coding contains a Tract ID, or TID, which provides the linkage to the remaining polygon attributes archived in the ADF. The line coding is maintained to reflect the source/scale of the individual tract boundaries, and to indicate coincidence with other GRANIT features.

SECTION I. POLYGON CODING STANDARDS

The polygon coding standards are presented in two parts. Part A provides the data dictionary for the polygon coding in the polygon attribute table, or PAT. Part B provides the balance of the polygon coding information, which is resident in the associated data file, or ADF.

A. Polygon Codes in the PAT

1. **TID** - Tract Identifier (13,13,C): (Columns 11-13 will be blank for existing tracts.)

Columns 1-3	3-digit GRANIT Quad ID
Column 4	Hyphen
Columns 5-7	3-digit Parcel ID (sequentially assigned)
Columns 8-9	Reserved for retention of legacy alphanumeric designations. Should not be populated for any new tracts.
Column 10	Hyphen
Columns 11-13	3-digit Tract ID (sequentially assigned)

Use 999-99999-999 to signify outlots.

B. Codes in Associated Data File

1. **TID** - Tract Identifier (13,13,C): (Columns 11-13 will be blank for existing tracts.)

Columns 1-3	3-digit GRANIT Quad ID
Column 4	Hyphen
Columns 5-7	3-digit Parcel ID (sequentially assigned)
Columns 8-9	Reserved for retention of legacy alphanumeric designations. Should not be populated for any new tracts.
Column 10	Hyphen
Columns 11-13	3-digit Tract ID (sequentially assigned)

2. **NAME** - Tract Name (42,42,C): (enter in upper/lower case)

Tract name as known by the primary protecting entity. May only be changed by written request of that entity.

3. **NAMEALT** - Alternate Tract Name (42,42,C): (enter in upper/lower case)

Tract name as originally reported during data collection/automation, if different from NAME.

4. **P_NAME** - Parcel Name (42,42,C): (enter in upper/lower case)

Parcel name as known by protecting entity.

5. **P_NAMEALT** - Alternate Parcel Name (42,42,C): (enter in upper/lower case)

Parcel name as originally reported during data collection/automation, if different from PNAME.

6. **PPTYPE** - Primary Protection Type (2,2,C): (enter in upper case)

AR	Agricultural Preservation Restriction *
CE	Conservation Easement *
DR	Deed Restriction *
FE	Flowage Rights or Easement (formerly FL) *
FO	Fee Ownership (formerly FR)
HP	Historic Preservation Easement
LE	Longterm Lease
PE	Protective Easement (for Water Supply Lands)
RV	Reverter
RW	Right of Way
SA	"Set Aside" Open Space Areas of Developments *
SE	Scenic Easement

* Land protected by these methods is typically private property and is not open for public access. Terms of these conservation restrictions vary considerably; consult deeds for specifics.

7. **PPTERMTYPE** - Term of Protection (1,1,C):

P	Perpetual
L	Limited term
U	Unknown

8. **PPTERM** - Length of Limited Protection Term (3,3,I):

-98	N/A - term is perpetual
-99	Unknown
nn	Length in years of limited term

9-10. **SPTYPE1, SPTYPE2** - Secondary Protection Types 1 and 2 (2,2,C): (enter in upper case)

This is a "back-up" or second method of protection applied to a parcel that already has a primary protection method. It includes those types listed below in addition to all primary protection types:

EI	Executory Interest
LE	Lease

11. **PPAGENCY** - Primary Protecting Agency/Organization (5,5,I):

Agency or organization responsible for protection of the parcel from development. When more than one agency/organization is involved, the distinction between primary and secondary protecting agency/organization is sometimes arbitrary. Most often, the primary protecting entity is the one that actively manages the property or owns the land. The agencies should be contacted for more specific property information.

Town/Cty: 5-digit FIPS code (additional information describing the specific entity that manages the property may be entered in the notes fields, e.g. conservation commission, water department, etc.)

01000 BELKNAP COUNTY
01005 Alton
01010 Barnstead
01015 Belmont
01020 Center Harbor
01025 Gilford
01030 Gilmanton
01035 Laconia

01040 Meredith
01045 New Hampton
01050 Sanbornton
01055 Tilton

03000 CARROLL COUNTY

03005 Albany
03010 Bartlett
03015 Brookfield
03020 Chatham
03025 Conway
03030 Eaton
03035 Effingham
03040 Freedom
03045 Hales Location
03050 Hart's Location
03055 Jackson
03060 Madison
03065 Moultonborough
03070 Ossipee
03075 Sandwich
03080 Tamworth
03085 Tuftonboro
03090 Wakefield
03095 Wolfeboro

05000 CHESHIRE COUNTY

05005 Alstead
05010 Chesterfield
05015 Dublin
05020 Fitzwilliam
05025 Gilsum
05030 Harrisville
05035 Hinsdale
05040 Jaffrey
05045 Keene
05050 Marlborough
05055 Marlow
05060 Nelson
05065 Richmond
05070 Rindge
05075 Roxbury
05080 Stoddard
05085 Sullivan
05090 Surry
05095 Swanzey

05100 Troy
05105 Walpole
05110 Westmoreland
05115 Winchester

07000 COOS COUNTY
07005 Atkinson & Gilmanton
07010 Beans Grant
07015 Beans Purchase
07020 Berlin
07025 Cambridge
07030 Carroll
07035 Chandlers Purchase
07040 Clarksville
07045 Colebrook
07050 Columbia
07055 Crawford's Purchase
07060 Cutts Grant
07065 Dalton
07070 Dix's Grant
07075 Dixville
07080 Dummer
07085 Errol
07090 Erving's Location
07095 Gorham
07100 Greens Grant
07105 Hadley's Purchase
07110 Jefferson
07115 Kilkenny
07120 Lancaster
07125 Low & Burbanks
07130 Martin's Location
07135 Milan
07140 Millsfield
07145 Northumberland
07150 Odell
07155 Pinkham's Grant
07160 Pittsburg
07165 Randolph
07170 Sargent's Purchase
07175 Second College
07180 Shelburne
07185 Stark
07190 Stewartstown
07195 Stratford
07200 Success

07205 Thompson & Meserve
07210 Wentworths Location
07215 Whitefield

09000 GRAFTON COUNTY

09005 Alexandria
09010 Ashland
09015 Bath
09020 Benton
09025 Bethlehem
09030 Bridgewater
09035 Bristol
09040 Campton
09045 Canaan
09050 Dorchester
09055 Easton
09060 Ellsworth
09065 Enfield
09070 Franconia
09075 Grafton
09080 Groton
09085 Hanover
09090 Haverhill
09095 Hebron
09100 Holderness
09105 Landaff
09110 Lebanon
09115 Lincoln
09120 Lisbon
09125 Littleton
09130 Lyman
09135 Lyme
09140 Monroe
09145 Orange
09150 Orford
09155 Piermont
09160 Plymouth
09165 Rumney
09167 Sugar Hill
09170 Thornton
09175 Warren
09181 Waterville Valley
09185 Wentworth
09190 Woodstock
09200 Unorganized Territory

11000 HILLSBOROUGH COUNTY

11005 Amherst
11010 Antrim
11015 Bedford
11020 Bennington
11025 Brookline
11030 Deering
11035 Frankestown
11040 Goffstown
11045 Greenfield
11050 Greenville
11055 Hancock
11060 Hillsborough
11065 Hollis
11070 Hudson
11075 Litchfield
11080 Lyndeborough
11085 Manchester
11090 Mason
11095 Merrimack
11100 Milford
11105 Mont Vernon
11110 Nashua
11115 New Boston
11120 New Ipswich
11125 Pelham
11130 Peterborough
11135 Sharon
11140 Temple
11145 Weare
11150 Wilton
11155 Windsor

13000 MERRIMACK COUNTY

13005 Allenstown
13010 Andover
13015 Boscawen
13020 Bow
13025 Bradford
13030 Canterbury
13035 Chichester
13040 Concord
13045 Danbury
13050 Dunbarton
13055 Epsom
13060 Franklin

13065 Henniker
13070 Hill
13075 Hooksett
13080 Hopkinton
13085 Loudon
13090 Newbury
13095 New London
13100 Northfield
13105 Pembroke
13110 Pittsfield
13115 Salisbury
13120 Sutton
13125 Warner
13130 Webster
13135 Wilmot

15000 ROCKINGHAM COUNTY

15005 Atkinson
15010 Auburn
15015 Brentwood
15020 Candia
15025 Chester
15030 Danville
15035 Deerfield
15040 Derry
15045 East Kingston
15050 Epping
15055 Exeter
15060 Fremont
15065 Greenland
15070 Hampstead
15073 Hampton Falls
15075 Hampton
15085 Kensington
15090 Kingston
15095 Londonderry
15100 New Castle
15105 Newfields
15110 Newington
15115 Newmarket
15120 Newton
15125 North Hampton
15130 Northwood
15135 Nottingham
15140 Plaistow
15145 Portsmouth

15150 Raymond
15155 Rye
15160 Salem
15165 Sandown
15170 Seabrook
15175 South Hampton
15180 Stratham
15185 Windham

17000 STRAFFORD COUNTY

17005 Barrington
17010 Dover
17015 Durham
17020 Farmington
17025 Lee
17030 Madbury
17035 Middleton
17040 Milton
17045 New Durham
17050 Rochester
17055 Rollinsford
17060 Somersworth
17065 Strafford

19000 SULLIVAN COUNTY

19005 Acworth
19010 Charlestown
19015 Claremont
19020 Cornish
19025 Croydon
19030 Goshen
19035 Grantham
19040 Langdon
19045 Lempster
19050 Newport
19055 Plainfield
19060 Springfield
19065 Sunapee
19070 Unity
19075 Washington

Federal: 20000 US GOVERNMENT
21000 US Dept. of Interior, Fish & Wildlife Service
21100 US Dept. of Interior, National Park Service
21200 US Dept. of Interior, National Park Service A/T
22000 US Dept. of Agriculture, Forest Service

22100 US Dept. of Agriculture, National Resources Conservation Service
23000 US Dept. of Defense, Army Corps of Engineers
23100 US Dept. of Defense, US Air Force

State: 30000 STATE OF NEW HAMPSHIRE
30500 NH Office of State Planning
31000 NH Dept. of Resources & Economic Dev. (DRED)
32000 NH Fish & Game
33000 NH Dept. of Agriculture
34100 NH University of New Hampshire (Durham)
34200 NH Plymouth State College
34300 NH Keene State College
34400 NH Technical Institute (Concord)
34500 NH Technical College (Berlin)
34600 NH Technical College (Claremont)
35000 NH Dept. of Environmental Services (DES)
35100 NH DES, Water Resources Division
35200 NH DES, WRC
36000 NH Dept. of Transportation
37000 NH Division of Historic Resources
38000 NH Dept. of Corrections
39000 NH Health and Human Services

Other Public and Quasi-Public Entities: 40040 Amherst Village District
40050 Andover Village District
40100 Belknap County Conservation District
40105 Belmont Water Department
40110 Bow School District
40115 Central Hooksett Water Precinct
40120 Coe-Brown Northwood Academy
40130 Concord Union School District
40140 Contoocook Village Fire District
40145 Contoocook Village Precinct
40150 Conval School District
40155 Conway Village Fire District
40160 Coos County Conservation District
40165 Coppel Crown Village District
40170 Epsom Village Water Precinct
40175 George Mills Water Works
40180 Goffstown School District
40190 Goffstown Village Precinct
40200 Grafton County Conservation District
40205 Gunstock Acres Village Water District
40210 Hanover Water Works Company
40220 Hooksett Village Water Precinct
40230 Hopkinton Village Precinct Water Department

40240 Hudson School District
40250 Litchfield School District
40255 Lochmere Village District
40260 Merrimack County Conservation District
40270 Merrimack Valley School District
40280 Merrimack Village District
40290 Moultonborough School District
40300 New London - Springfield Water Systems Precinct
40305 Northwood Ridge Village Water District
40310 Pelham School District
40312 Pennichuck Water Works
40320 Pillsbury Lake District
40330 Pinkerton Academy
40333 Plainfield Village District
40340 Rockingham County Conservation District
40345 Rollinsford Water and Sewer District
40346 Rye Water District
40347 South Main St. Water District
40350 Strafford County Conservation District
40360 Strafford Historical Society
40370 Timberlane School District
40375 Village District of Eastman
40376 Waterville Estates Village District
40380 Wilton-Lyndeboro Coop. School
40900 Town of Merrimac, MA
40910 Town of Tyngsborough, MA

Private: 50105 Ammonoosuc Conservation Trust
50110 Appalachian Mountain Club
50130 Audubon Society of New Hampshire
50140 Ausbon Sargent Land Preservation Trust
50205 Bear Island Conservation Association
50208 Bear Paw Regional Greenways
50210 Beaver Brook Association
50220 Bedford Land Trust
50235 Blue Hills Foundation
50250 Black Bear Conservation Foundation
50315 Chase Forest + Bird Sanctuaries
50330 Chocorua Lake Conservation Foundation
50335 Colony Memorial Trust
50340 Concord Conservation Trust
50350 Connecticut River Watershed Council
50355 Conservation Fund
50405 Dan Hole Pond Watershed Trust
50410 Dark Pond, Inc.
50420 Dartmouth College

50603 Five Rivers Conservation Trust
50605 Forest Pond Association
50610 Frankestown Land Conservation
50615 Friends of Pisgah, Inc.
50730 Grafton Pond Land Trust
50750 Green Mountain Conservation Group
50790 Hampton Water Works
50810 Hanover Conservation Council
50820 Hanover Improvement Society
50830 Harris Center for Conservation Education
50840 Harvard University
50850 Historic Harrisville Inc.
50890 Howfirma Trust
50950 Humane Society of US
51010 Jaffrey Village Improvement Society
51100 Kensington Learning Center Trust
51210 Lakes Region Conservation Trust
51215 Lake Sunapee Protective Association
51217 Lake Winona Improvement Association
51218 Leonard Boyd Chapman Wild Bird Sanctuary
51220 Lindenshire Mobile Home Park
51315 Marlborough-Roxbury Land Association
51325 Meriden Bird Club
51340 Monadnock Conservancy, The
51345 Moose Mountains Regional Greenways
51428 New England College
51430 New England Forestry Foundation
51440 New England Wild Flower Society
51443 New Hampshire Waterfowl Association
51444 New London Outing Club
51450 Nissitissit River Land Trust
51605 Patten Environmental Trust, Inc.
51607 Paula Anna Marcus Foundation
51611 Pine Park Association
51612 Phillips Exeter Academy
51620 Piscataquog Watershed Association
51623 Pittsfield Aqueduct Company
51625 Proctor Academy
51805 Randolph Foundation, The
51810 Richards Community Forest, Inc.
51820 Rockingham Land Trust
51825 Roland Park Land Trust
51830 Rumney Ecological Systems
51910 Science Center of New Hampshire
51920 Seacoast Land Trust
51930 Silver Lake Land Trust

51940 Society for the Preservation of NE Antiquities
51950 Society for the Protection of NH Forests
51955 Souhegan Land Trust
51960 Squam Lakes Association
51970 Squam Lakes Conservation Society
51972 St. Paul's School
51980 Strafford Rivers Conservancy
51985 Stephen Phillips Memorial Preserve
51990 Sweet Water Trust
52010 The Nature Conservancy
52020 Trust for Appalachian Trail Lands
52025 Trust for Public Lands
52030 Turkey River Basin Trust
52110 Upper Valley Land Trust
52120 Wildlife Preserves, Inc.
52510 Yale University

59999 Other (property management companies, homeowners associations -
use NOTES field to record specific name)

12. **PPAGENTYPE** - Type of Primary Protecting Agency (1,1,I):

Generalized version of PPAGENCY codes, as follows:

1	Municipal/County
2	Federal
3	State
4	Other Public/Quasi-Public Entity
5	Private

13-14. **SPAGENCY1, SPAGENCY2** - Secondary Protection Agencies 1 and 2 (5,5,I):

Same as primary protection agency codes (item 12), plus the following:

52900 GRANTOR
(Grantor is not an agency or organization. Grantor restrictions or
reverters add additional protection to a property.)

15. **RSIZE** - Reported Size of Tract (8,8,N,1):

Acreage as reported on the source document. Value of -999 indicates no size was
indicated on the source.

16. **CSIZE** - Calculated Size of Tract (8,8,N,1):

Acreage as calculated based on the automated parcel boundaries. This acreage typically differs from RSIZE (see above).

17. **P_RSIZE** – Reported Size of Parcel (8,8,N,1):

Acreage as reported on the source document. This acreage is the sum of the reported tract sizes (RSIZE). Value of -999 indicates no size was indicated on the source.

18. **P_CSIZ**E – Calculated Size of Parcel (8,8,N,1)

Acreage as calculated based on the automated parcel boundaries. This acreage is the sum of the calculated tract sizes (CSIZE).

19. **PROGRAM** (2,2,I):

Program or agency under whose auspices the protection took place:

- 0 No acquisition program noted
- 1 Land Conservation Investment Program
- 2 Agriculture Preservation Restoration
- 3 Land & Water Conservation Fund
- 4 Appalachian Trail
- 5 Highway Beautification Project
- 6 NRCS Flood Control Project
- 7 US Forest Service Forest Legacy Program
- 8 (Code unassigned at present)
- 9 Department of Transportation Mitigation Project
- 10 Land and Community Heritage Investment Program (LCHIP)
- 11 (Code unassigned at present)
- 12 (Code unassigned at present)
- 13 (Code unassigned at present)
- 14 Waterfowl Conservation Fund
- 15 LCIP "unofficial matches"
- 16 LCIP Private Assists
- 17 Great Bay National Estuarine Research Reserve
- 99 Other

20. **LEVEL** - Protection Level (2,2,C):

- 1 Permanent conservation land. Land protected from development through conservation easement, restrictions, or outright ownership by an organization or agency whose mission includes protecting land in perpetuity; more than 50% of area will remain undeveloped.
- 2 Unofficial conservation land. Land owned by an agency or organization whose mission is not conservation, but whose intent is to keep the land for

conservation, passive recreation, or educational purposes.

Not permanently protected.

- 2A Water supply lands. Lands owned or controlled by suppliers of public drinking water. Includes all supplies owned by a municipality or a subdivision of a municipality, and all private water systems that serve 500 people or more.
- 3 Unprotected public open space land.
- 4 Developed public land. Includes lands having active recreational use on more than 50% of the area, e.g. beaches, picnic areas.
- 9 Unknown

21. **MSTATUS** - Management Status (1,1,I):

- 1 A tract totally protected from conversion of natural land cover and with a management plan or deed in operation to maintain land in a natural state. Natural processes are allowed to proceed without interference or are mimicked through management practices.
- 2 A tract totally protected from conversion of natural land cover and with a management plan or deed in operation to maintain a primarily natural state, but where uses (e.g. vehicular traffic, hunting, etc.) and/or suppression of natural processes may degrade the quality of existing natural communities.
- 3 A tract protected from conversion of natural cover for more than 50% of area, but subject to extractive uses such as timber harvest or mining.
- 4 A tract with more than 50% of area unprotected from conversion of natural cover or planned or in use for agriculture or as "open space" for active recreation purposes (e.g. ballfields, golf courses). Natural processes are altered or replaced by human use and management of land.
- 9 Unknown

22. **SOURCE** (25,25,C): (enter in upper case)

Source of information used for mapping the tract. While individual tract boundaries may be mapped from different sources as captured in the line coding (e.g. in the AAT SOURCE field), this field reports the initial source used to map the tract. This data is used to establish the ACCURACY rating.

23. **ACCURACY** (1,1,I):

General flag used to indicate the accuracy of the parcel boundary mapping.

- 1 Very good. Mapped from a survey which aligned well with existing information.
- 2 Good. Mapped from a good quality tax map or from a survey which did not completely align with existing information.
- 3 Fair. Mapped from poor tax map, survey, or other source. Some lines are questionable.

- 4 Poor. Mapped from a source which had obvious problems with spatial accuracy. Location and/or configuration are approximate only.
- 5 Unknown location and configuration. General area may be known. (Used only for saltmarsh lots.)

24. **COBKPG** - County, Book and Page (40,40,C):

County Registry of Deeds book and page reference number to legal transaction record. Deeds are often the source of information about the nature of restrictions on restricted properties. Space is provided for multiple deeds/instruments.

While the field is defined as a long character, the format of data entries is as follows:

For first entry:

Columns 1-2:	2-digit county FIPS code
Column 3:	/
Columns 4-6:	3-digit book number
Column 7:	/
Columns 8-10:	3-digit page number

If there are multiple entries, the second (and subsequent) references are entered as:

Column 11:	blank
Column 12:	+
Column 13:	blank
Columns 14-23:	Same as Columns 1-10 above

25. **DATEREC1** (8,8,C):

Date of record for first conservation transaction

26. **DATEREC2** (8,8,C):

Date of record for second conservation transaction

If there are more than two transactions associated with the tract, the remaining dates of record are entered in the NOTES fields.

27. **ACCESS** - Level of Public Access (1,1,I):

- 1 Allowed (Minor use restrictions may apply, such as fees charged, vehicular access, etc.)
- 2 Restricted to Certain Areas (Access restricted to specific areas or times, or member/resident use only.)
- 3 Not allowed

- 4 Unknown
- 5 No response to access survey received

28. **DATEADDED** (8,8,C):

Date record (spatial/attribute) was added to the database. While all of a tract's boundaries may be replaced over time, this field will still reflect the date the original tract polygon was created and the attributes were added.

29. **DATEALTER** (8,8,C):

Date of last revision of any of the tract boundaries or attributes.

30. **NOTES1** (80,80,C): (enter in upper case)

Additional notes field 1.

31-32. **NOTES2, NOTES3, NOTES4** (80,80,C): (enter in upper case)

Additional notes field 2, 3, and 4.

SECTION II. ARC CODING STANDARDS

The line representation of the Conservation/Public Lands Layer is used in creating, managing, and maintaining the data layer. The codes are used to a) reflect coincidence of tract boundaries with other elements archived in the GRANIT database, or b) retain other information specific to a tract boundary (e.g. source).

1. **LID** (4,4,I):

Line ID to identify coincidence with other features.

- 1 Arc is a parcel boundary that is coincident with a political boundary
- 2 Arc is a parcel boundary that is coincident with a road centerline
- 3 Arc is a parcel boundary that is coincident with a pipeline/transmission line
- 4 Arc is a parcel boundary that is coincident with a surface water feature
- 5 Arc is a parcel boundary that is coincident with a railroad
- 6 (Not assigned)
- 7 Arc is a parcel boundary that is coincident with another parcel boundary
- 98 Arc is a parcel boundary and its location is uncertain or poorly defined
- 99 Arc is a parcel boundary that is not coincident with other features

9999 Arc is a closure line created at the state boundary, but does not represent a parcel boundary

2. **SOURCE** (4,4,C):

Source of the tract boundary:

DLG Digital Line Graph data.
DOT DOT road centerline data
DXF Autocad DXF file
GPS Source of polygon boundary is GPS data.
E911 Enhanced-911 data
SUR Survey
TAX Tax map
OTH Other source

3. **DATEADDED** (8,8,D):

Date tract boundary was added to the database.

4. **DATEUPDATED** (8,8,D):

Date of last revision to tract boundary.