

Field Data Collection Tools for iMapInvasives in New York State

Features	iMap Online	iMap Mobile App	iMap Survey123	SAS-Pro (Simple Aquatic Survey)	Forest Pest Data Collection Tool	iMap Mobile Advanced (iMMA)
Managed By	NatureServe	NYNHP	NatureServe	NYNHP	NYNHP	NYNHP
Platform	Web App	Mobile App	Esri Survey123	Esri Survey123	Esri Survey123	Esri Collector → Field Maps (2022)
Data collection user interface	Map-centric	<i>Form-centric</i>	<i>Form-centric</i>	<i>Form-centric</i>	<i>Form-centric</i>	Map-centric
Target Audience	<i>Citizen scientists, general volunteers, and natural resource professionals</i>			<i>PRISM staff, agency staff, and other partners; select volunteers working with partners</i>		
Presence records, photos	✓	✓	✓	✓	✓	✓
Not-detected records	✓	✓	✓	✓	✓	✓
Treatment	✓		✓		✓	✓
Multi-record searched areas	✓		✓	✓	✓	✓
Lines/Polygons	✓		✓	✓	✓	✓
Functional without connectivity		✓	✓	✓	✓	✓
Additional fields				Fields for rake tosses & other aquatic surveys	Fields specific to forest health and forest pests	
Useable without ArcGIS online account	✓	✓	✓	✓	✓	
Data upload process into iMap	Direct	Direct	Hourly	<i>Crosswalk</i>	<i>Crosswalk</i>	<i>Crosswalk</i>
Confirmation Process	iMap Online	iMap Online	iMap Online	<i>ArcGIS Online</i>	<i>ArcGIS Online</i>	<i>ArcGIS Online</i>

See nyimainvasives.org/report-an-invasive for more information.
 Contact us: imainvasives@dec.ny.gov

Last Updated: 28 December 2021

iMap Online Interface:

The online interface supports the collection of all data types (searched area, presence, not-detected, treatment), and geometry types (point, line polygon) in a map-centric graphical user interface, accessible via internet.

Training resources available at www.nyimainvasives.org/training

iMap Mobile App:

This tool offers the fastest, simplest method for collecting invasive species presence and not-detected point data in the field, without connectivity. This is the most popular data collection tool for citizen scientists and volunteers and is also quite popular with natural resource professionals.

Training resources available at www.nyimainvasives.org/training

iMapInvasives Survey123:

This data collection tool provides access to all the data types (searched area, presence, not-detected, treatment), geography types (point, line, polygon), and fields available in the online interface, but in a Survey123 form that can be used out in the field, without internet connection.

Training resources available at www.nyimainvasives.org/training

Simple Aquatic Survey (SAS-Pro):

This Survey123 form is primarily used by PRISM and Agency staff (and some of their advanced volunteers) to record targeted aquatic surveys (rake tosses, etc.) in the field. This form includes fields specific to rake tosses and other aquatic surveys and supports the collection of native species presence data. Data are reviewed by users within ArcGIS Online and cross-walked to iMapInvasives periodically.

Email imainvasives@dec.ny.gov for more information

Forest Pest Data Collection Tool:

This Survey123 form is primarily used by PRISM staff and volunteers for the NYS Hemlock Initiative and includes fields specific to forest pests and forest health. Data are reviewed by users within ArcGIS Online and cross-walked to iMapInvasives periodically.

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iMap Mobile Advanced (iMMA):

This tool is used primarily by PRISM and Parks staff to record complex presence, not-detected, and treatment data as points lines and polygons in a map-centric interface in the field. **This tool requires GIS experience.** Please note that Esri's Collector will no longer be available in the app store in 2022, so we are transferring iMMA over to Esri's Field Maps application. Data are reviewed by users within ArcGIS Online and cross-walked to iMapInvasives periodically.

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