

West Traverse Township Invasive Phragmites Survey Details - Summer, 2009

#	Density	Height, ft	Size, ft	Shape	GPS Coordinates*	Comments
1	Low	3-4	41x49	Rectangular	16T 0655020/5032901	Widespread, low density, spreading widely along shoreline into water
2	Medium	2-3	50x16	Rectangular	16T 0654902/5032885	Submerged underwater up to 3 ft in places, obviously trimmed, dense at waters edge, spreading onto shore.
3	High	4	42x39	Circular	16T 0654567/5033006	In water, highly established, spreading onto land quickly, multiple root shafts.
4	Medium	3	63x42	Rectangular	16T 0654451/5033019	In shallow water, widespread, low height, medium to low density throughout.
5	Low	3	42x31	Square	16T 0654376/5033010	On land, going into water, low density but widespread.
6	Medium	4	51x50	Square	16T 0654351/5033003	In water on point by dock, middle portion killed, dense in sections but dying.
7	Low	3-4	21x21	Square	16T 0654298/ 5033001	Small community, newly established, on land in willows by point.
8	Medium	6	100x21	Rectangular	16T 0654234/5033039	Large community across shoreline on land, widespread loosely developed.
9	Medium-High	5	62x21	Rectangular	16T 0654193/5033053	Beach cleared but not phragmites, 42 ft dense along shore in bto water, by stairs. Small cluster 100 ft west 5 small shoots (marked x on map).
10	Low	3	8x6	Rectangular	16T 0653979/5033135	In water, small point, small community newly established.
11	Medium	3	100x30	Two communities	16T 0653937/5033140	Two adjacent communities in water out toward small point, two dense clusters.
12	Very low	3	10x2	Rectangular	16T 0653779/5033126	Very small, newly established, on shoreline only a few stems.
13	Medium	4-5	32x17	Rectangular	16T 0653552/5033133	Hidden behind dense vegetation on backside of point, dispersed, dense in places. Spreading from water onto land.
14	Medium	3	29x12	Rectangular	16T 0652956/5033586	On shoreline, small, short but widespread onto land.
15	Very low	2	10x11	Square	16T 0652829/5033727	Thin and dispersed, very light, small on shoreline.
16	Low	3	65x10	Two communities	16T 0652653/5034023	Low density, very widespread, two neighboring small communities.
17	Very high	12	96x52	Rectangular	16T 0652560/5034102	Very tall and well established, dense in swampy area, one of largest communities.
18	Low	5	33x12	Rectangular	16T 0652479/5034102	Low density, dispersed on point, mostly on land, widespread.
19	Medium to heavy	7	43x22	Rectangular	16T 0652226/5034394	Attached to #20, in water, less on shore, dense in places.
20	Very high	8	120x39	Rectangular	16T 0652195/5034411	Giant community in water and on land, very well established and spreading, dense.

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21	Low	3	39x11	Rectangular	16T 0652053/5034491	Light but very widespread, small dispersed community on shoreline out of water.
22	Medium	5	26x11	Rectangular	16T 0651880/5034755	Small in water, next to denser community to west.
23	High	8	66x22	Rectangular	16T 0651859/5034778	Very dense, tall, mostly in water coming onto shore and spreading.
24	High	8	40x22	Rectangular	16T 0651831/5034811	Very dense, tall, all in water at shoreline, highly established.
25	Low	5	23x16	Rectangular	16T 0651734/5034859	On land by spring, newly established, further from shoreline by high water mark
26	High	8	100x23	Rectangular	16T 0651679/5034848	Very well established, thick/dense, large community mostly in water and across shore, massive.
27	Medium-Low	4	35x10	Rectangular	16T 0651648/5034858	In water coming onto land adjacent to larger/denser community #26.
28	Light	4	48x11	Rectangular	16T 0651134/5035409	Along stream on land, dense by stream, widespread.
29	Light to medium	3	24x10	Rectangular	16T 0650605/5036203	Small community on point, spreading along shoreline to form two stands.
30	Medium	5	16x15	Rectangular	16T 0650028/5037029	In water, dense, small community entirely in water on small point.
31	Medium	6	38x22	Rectangular	16T 0649841/5037208	In process of clearing beach, on point, large dense stand, well established.
32	Medium to high	3(cut)	3x3	Square	16T 0649790/5037279	Very small, one clump on shoreline isolated and obviously trimmed.
33	Medium	6	30x22	Rectangular	16T 0649536/5037560	Mixed in cattails on swampy shoreline spreading throughout wetland area.
34	Light	2-3	16x8	Rectangular	16T 0649481/5037627	Mixed in wetlands, new community, very light but spreading.
35	High	5	52x21	Rectangular	16T 0649426/5037625	On point in water and wetlands area, coming onto shore and wetlands, dense.
36	Medium	5	78x42	Rectangular	16T 0649402/5037671	In water on shoreline, spreading onto land and into water, lots of root shoots.
37	Light	4	28x9	Rectangular	16T 0649231/5037841	Small, on shoreline, newly established coming onto land, widespread loose.

* GPS Coordinates: Datum - WGS84, Units - UTM UPS, Model - Garmin