

Quagga/Zebra Mussel Surface Survey Data Sheet

(Use Pencil Only)

Waterbody _____

Date ___ / ___ / ___

Location _____

Crew

GPS _____

(Decimal Degrees, WSG 84)

Secchi Depth

Wave Chop

Linear Meters of:

Boat Ramp Bottom
(30 m at marina, 60 m at ramp only)

Shoreline
(30 m at marina, 60 m at ramp only)

Dock (60 m)

Concrete Structures (30 m)

Mooring Line (60 m)

Logs/Woody Debris (30 m)

Anchor/Dock Cable (30 m)

Other _____

% of Dock/Marina/Boat Ramp Searched

Quagga/Zebra Mussels Present? Y / N

Specimens Collected? Y / N

Exact GPS Location
(if isolated occurrences):

Mussel Density (# of mussels):

Method
(circle one):

1

Ruler / Petri

Ruler Length (if < 0.5 m) _____

Substrate Type

2

Ruler / Petri

Ruler Length (if < 0.5 m) _____

Substrate Type

3

Ruler / Petri

Ruler Length (if < 0.5 m) _____

Substrate Type

Corbicula Clams Present? Y / N

Snails Present? Y / N

Other Mussel/Clam Species Present? Y / N

Specimens Collected? Y / N

Quagga Mussel

Dreissena rostriformis bugensis



- Shell: D-shaped and triangular; thin, fragile; smooth or shallowly ridged; solid light to dark brown or dark concentric rings; paler near hinge
- Attaches to hard and soft surfaces

Zebra Mussel

Dreissena polymorpha



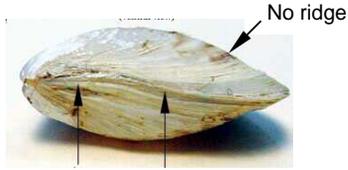
- Shell: D-shaped and triangular; thin, fragile; smooth or shallowly ridged; solid light to dark brown or striped
- Attaches to hard surfaces

Asian Clam

Corbicula fluminea

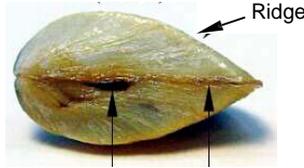


- Shell: fan-shaped and symmetrical; thick, hard; deep ridges; solid light to dark brown; may have a white patch near hinge
- Burrows into sand or mud; never attaches to structures
- Dead shells often found along shoreline



Byssal groove

Asymmetrical; curved midventral line; shells do not join together tightly



Byssal groove

Bilaterally symmetrical; join together in a midventral line

Map of sampling location:

Place empty circles (○) in areas that were surveyed but no mussels were found. Place circles with plus sign (⊕) where mussels were found, and number 1, 2, or 3 to correspond to GPS coordinates.

Did weather conditions negatively affect sampling conditions? Y / N

Comments _____

