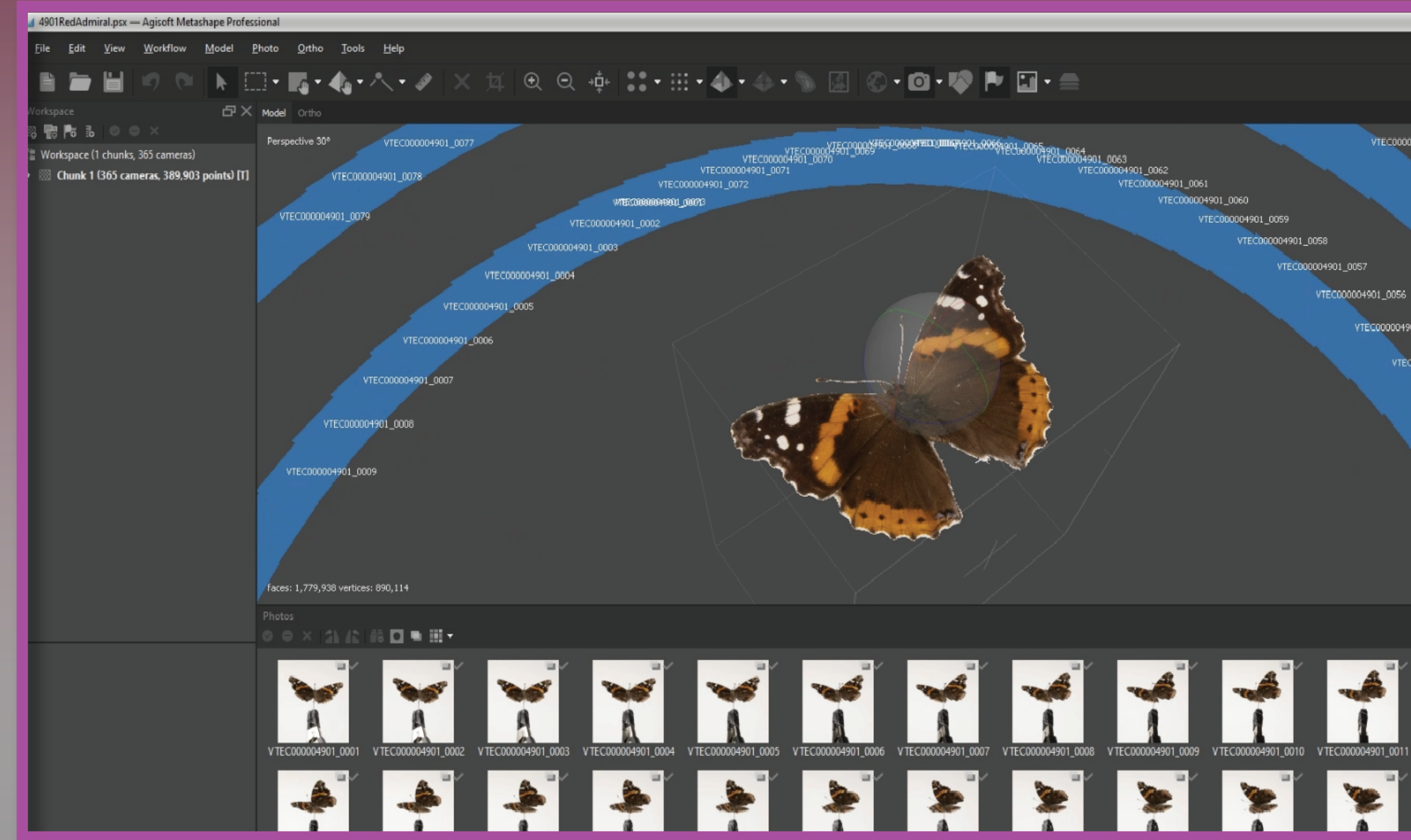


# CLIR Entomology: Pollinator Project Workflow

Virginia Tech  
Tianyu Ge, Jillian Sy, Katrina Enriquez, Erin Chung, Eva Deisa

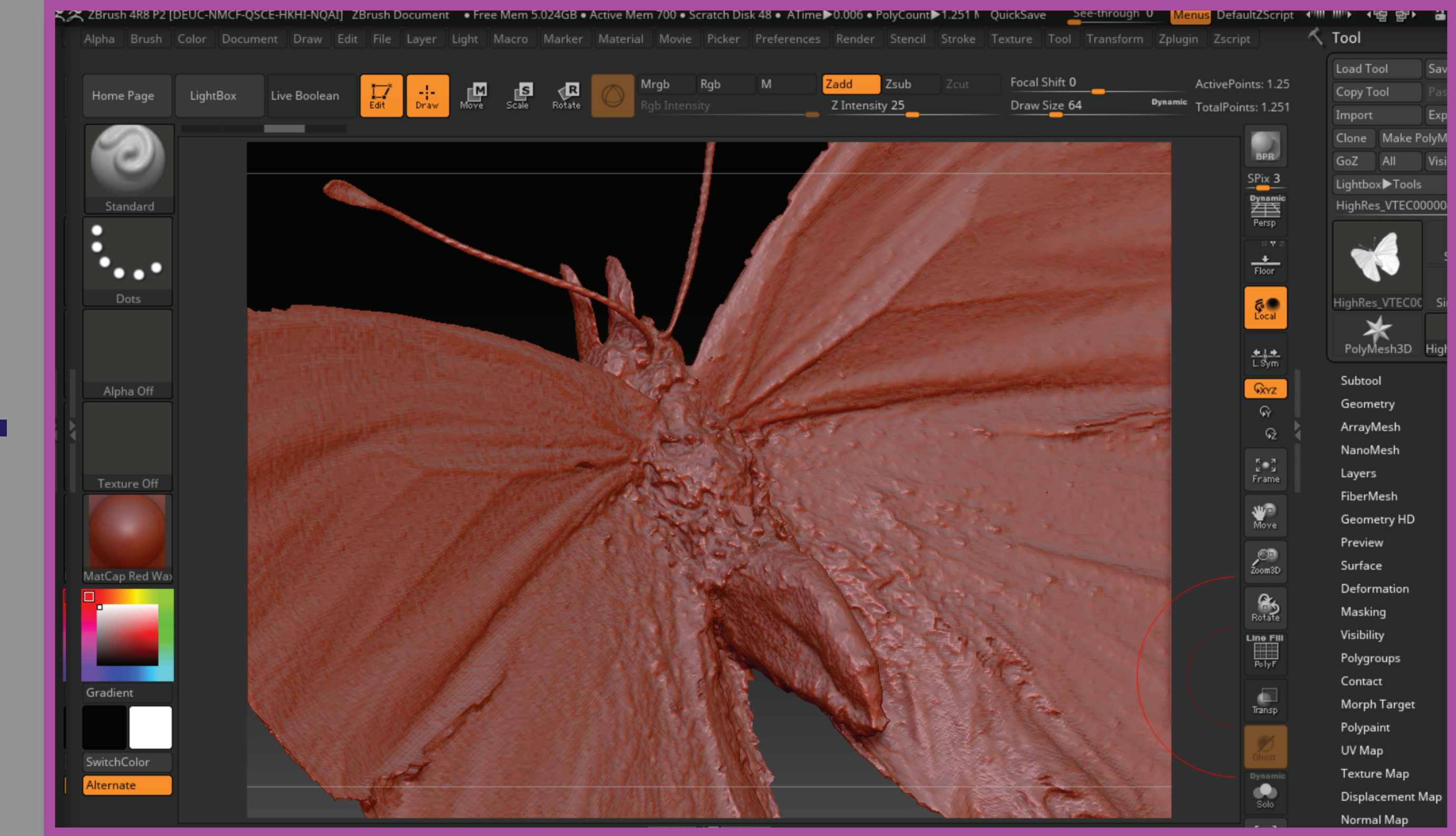
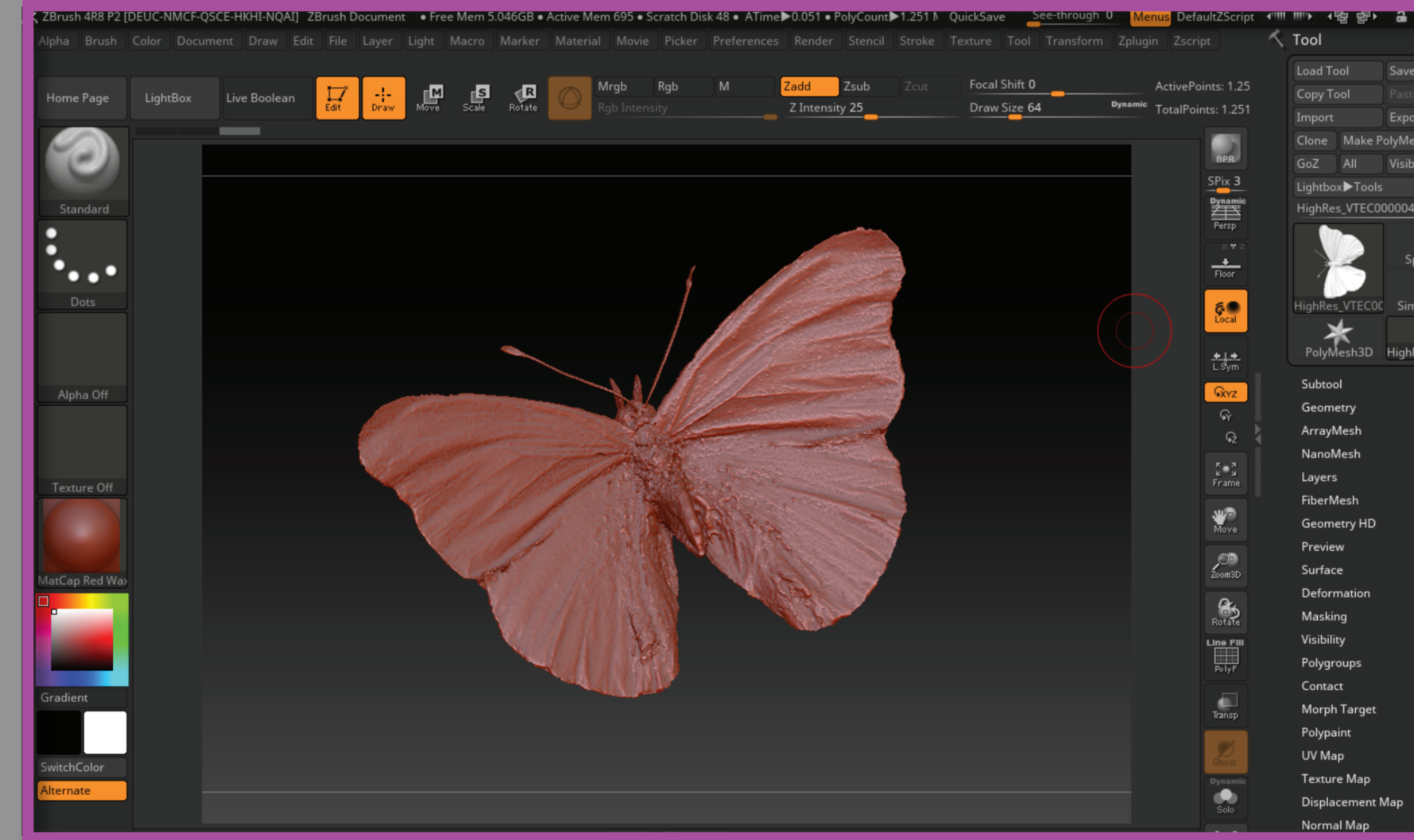
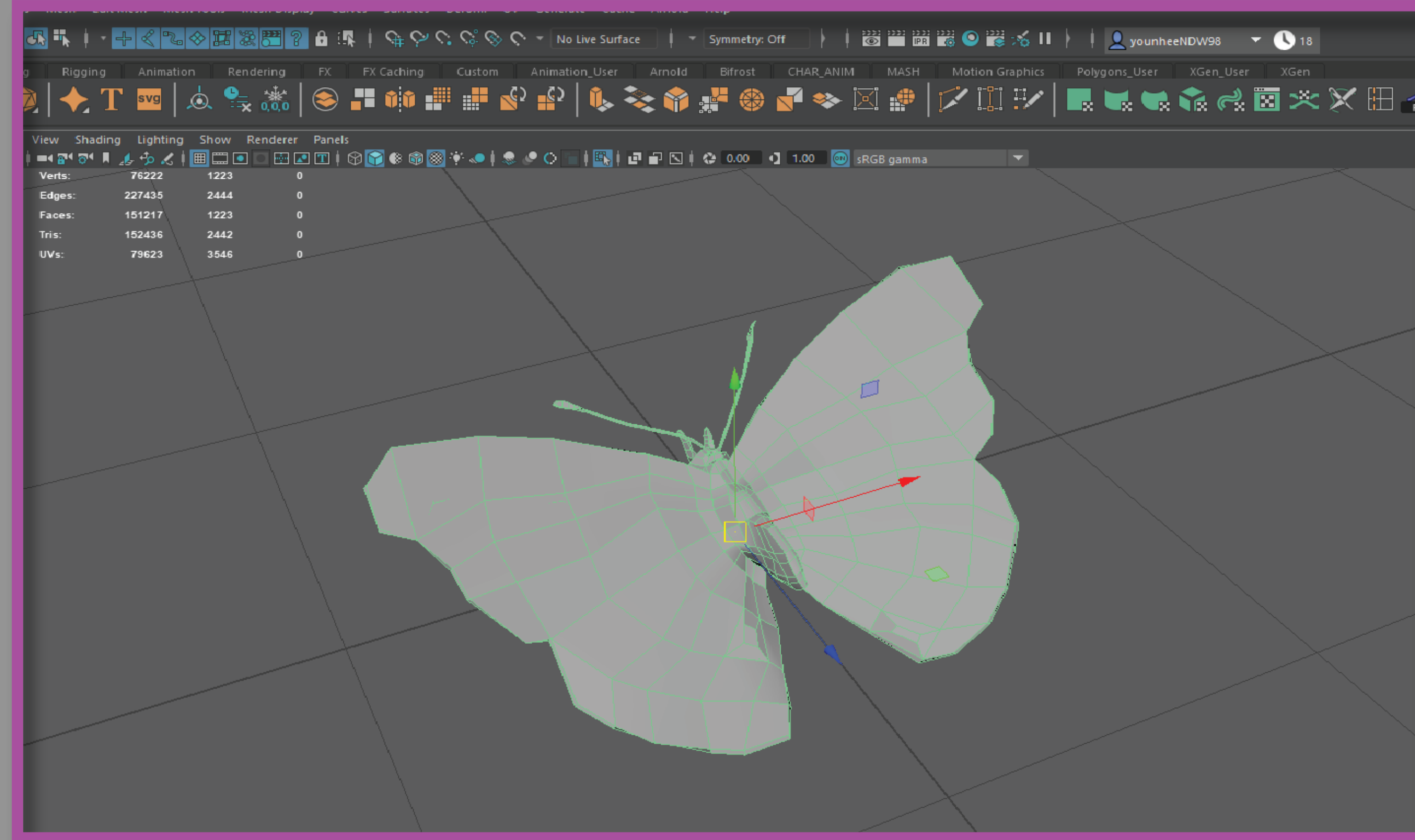
Virginia Tech Entomology Collection				Photography			STUDENT SIGN-UPS AND PROGRESS					
Subscribed to (Date/Email)	Assigned to (Name)	Date (Start/End)	Container and environment (Species, location, date, etc.)	License Classification (Creative Commons, etc.)	Collection Name(s) for Classification (Common Name, etc.)	Date on Paper Tag (if applicable, individual photos are required to be (1) readable, (2) machine-readable, (3) machine-readable)	Sequence Number (Order Photographed)	Photographed (name, date, photo count)	Images converted to support TIFF?	Photogrammetry Processing (Start/End Date, Progress %)	Agisoft Scan Location (URL)	Release Name (start date-completion date)
1003	Maureen Savard	1/23/2021	Warden box, upland forest, paper # 11	(Public Domain)	Black-winged Vireo	11/19/2020 08:00	1	Maureen Savard	288 images	COMPLETE: 11/23/21 100%	https://www.agisoft.com/scans/11/19/2020_08_00/	Maureen Savard: 5/20/21
1003	Maureen Savard	1/23/2021	Warden box, upland forest, paper # 11	(Public Domain)	Black-winged Vireo	11/19/2020 08:00	2	Maureen Savard	288 images	COMPLETE: 11/23/21 100%	https://www.agisoft.com/scans/11/19/2020_08_00/	Katrina Enriquez: 5/20/21
1003	Maureen Savard	1/23/2021	Warden box, upland forest, paper # 11	(Public Domain)	Black-winged Vireo	11/19/2020 08:00	3	Maureen Savard	288 images	COMPLETE: 11/23/21 100%	https://www.agisoft.com/scans/11/19/2020_08_00/	Jillian Sy: 5/20/21
1003	Maureen Savard	1/23/2021	Warden box, upland forest, paper # 11	(Public Domain)	Black-winged Vireo	11/19/2020 08:00	4	Maureen Savard	288 images	COMPLETE: 11/23/21 100%	https://www.agisoft.com/scans/11/19/2020_08_00/	Jillian Sy: 5/20/21
1003	Maureen Savard	1/23/2021	Warden box, upland forest, paper # 11	(Public Domain)	Black-winged Vireo	11/19/2020 08:00	5	Maureen Savard	288 images	COMPLETE: 11/23/21 100%	https://www.agisoft.com/scans/11/19/2020_08_00/	Katrina Enriquez: 5/20/21
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1003	Maureen Savard	1/23/2021	Warden box, upland forest, paper # 11	(Public Domain)	Black-winged Vireo	11/19/2020 08:00	7	Maureen Savard	288 images	COMPLETE: 11/23/21 100%	https://www.agisoft.com/scans/11/19/2020_08_00/	Jillian Sy: 5/20/21
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1. Progress Database  
Record workflow process

2. Photogrammetry in *Metashape*  
3D scan an insect

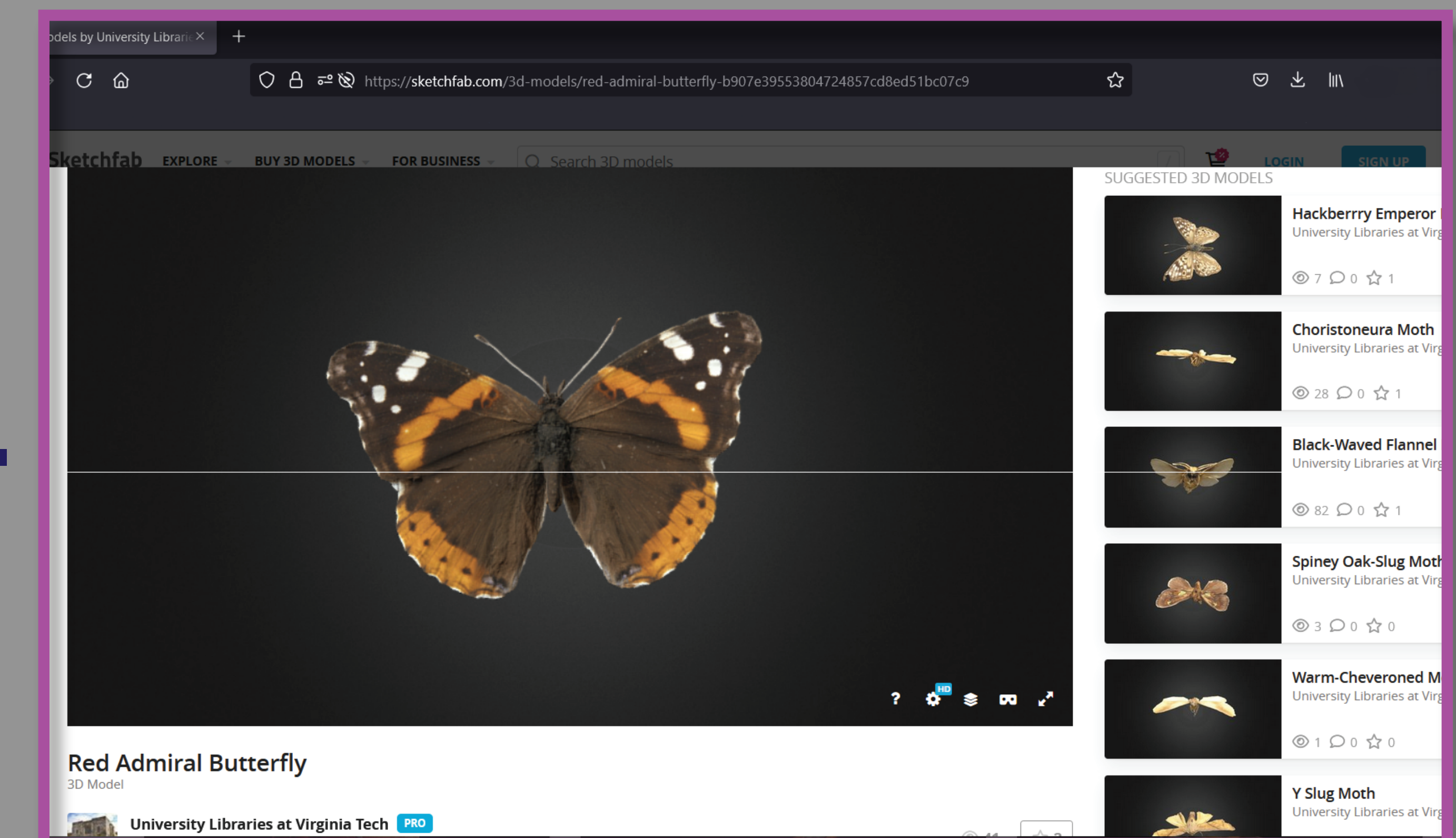
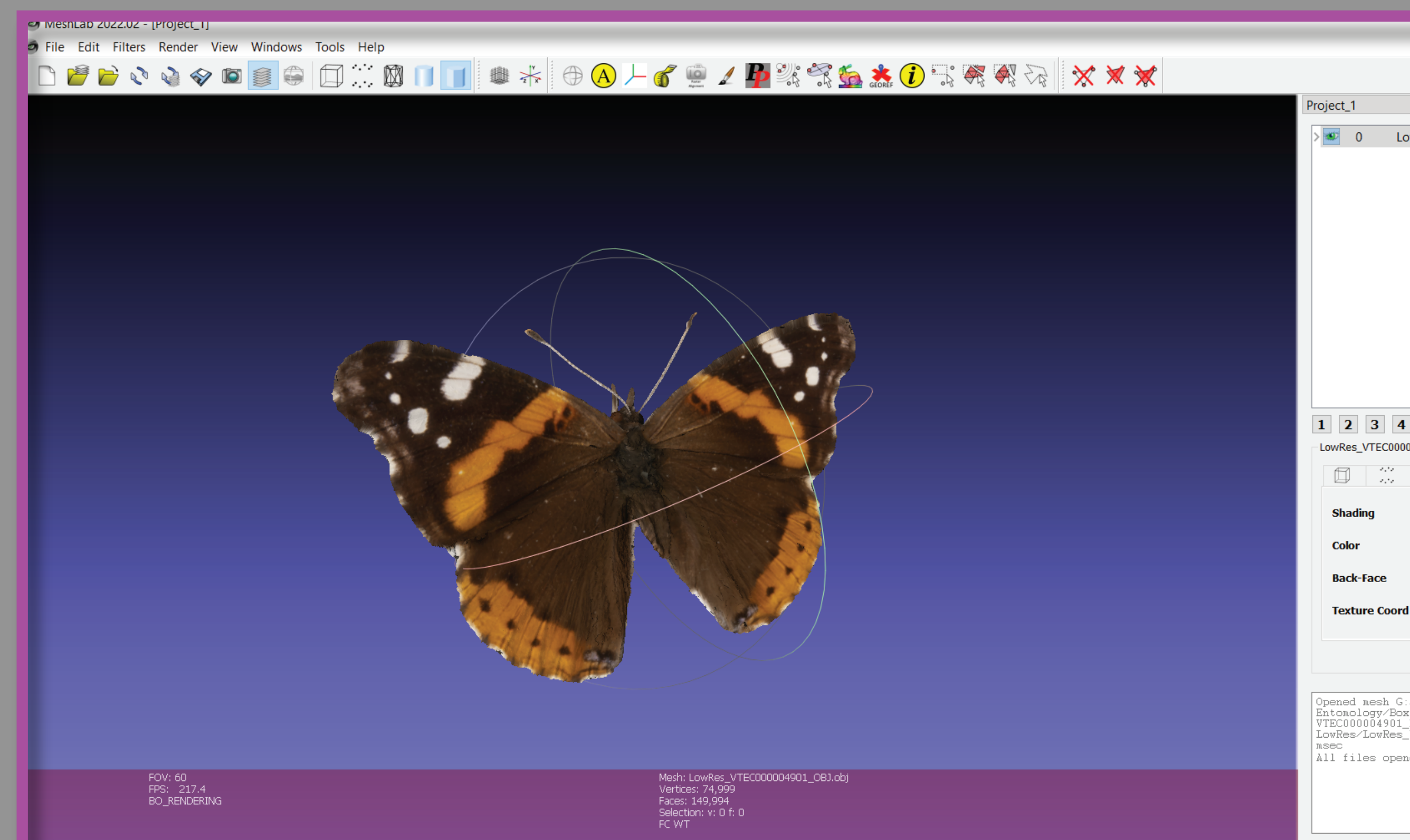
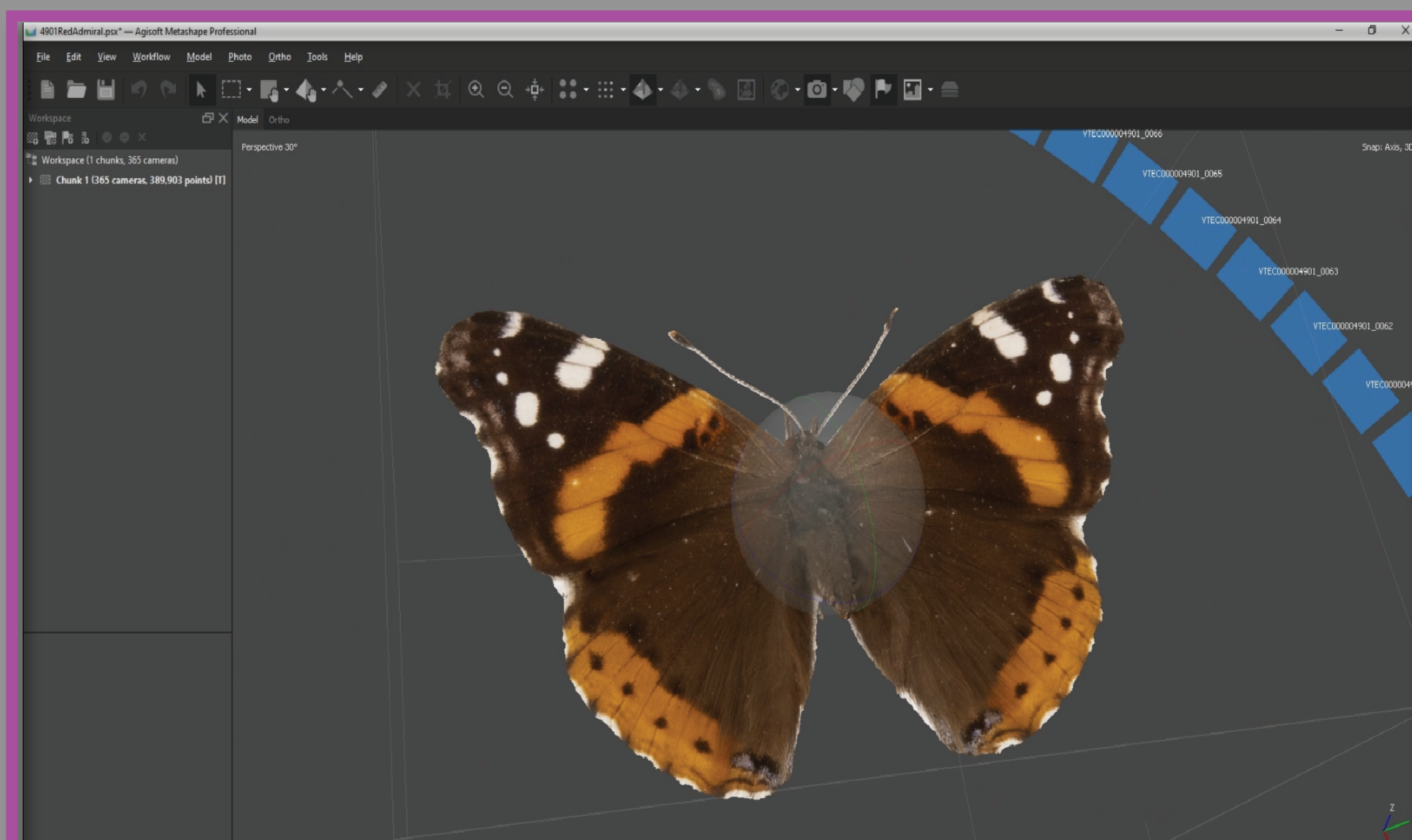
2.1. Close-up in *Metashape*



3. Retopology in Maya  
Re-create low-mesh of the model

4. Detail projection in *Zbrush*  
Equip detailed surface and produce low, mid, & high resolution models

4.1. Close-up in *Zbrush*



5. Texture generation in *Metashape*

6. Model clean-up in *Meshlab*

7. *Sketchfab* upload  
Store digital assets online