

NC DMV License and Theft Bureau



NC DMV License and Theft Bureau

- Oldest State Law Enforcement Agency originating in 1921.
- Its mission is to enforce all State and Federal laws that regulate motor vehicle operations, sales, inspection maintenance and auto theft, and to conduct investigations that prevent frauds, impositions, and other abuses upon the citizens of North Carolina.

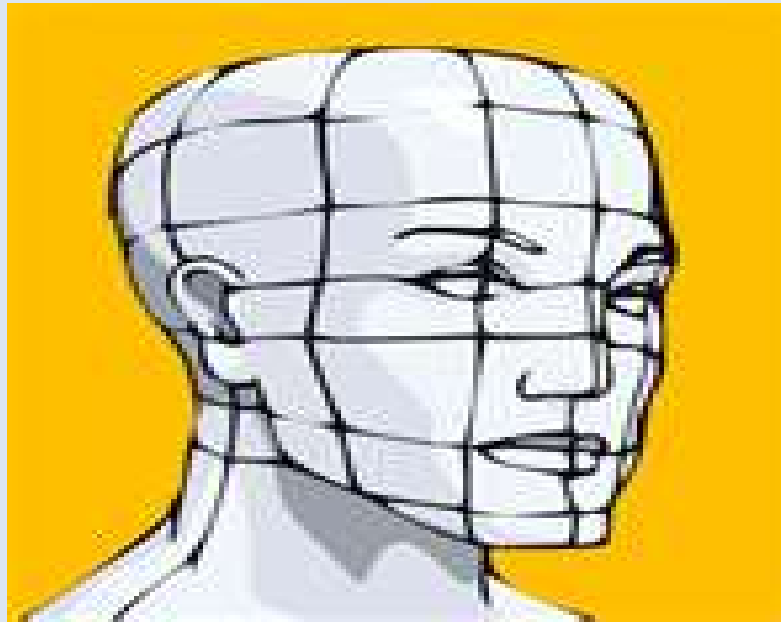
License and Theft Fraud Lab



Lab Workstation



Identity Verification



Identity Management



Search

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PROBE IMAGE



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SEARCH RESULTS

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11148366 100.000000	19058300 86.595901	5894605 79.780266	214664 78.953918	7641899 78.074348	13077131 77.863419	13517577 76.139786	15571921 75.980530
435612 75.819763	3704576 75.738785	12849820 75.575645	8628252 75.493469	4100687 75.160706	202408 74.821426	32963182 74.562546	41772257 74.562546
15223802 74.387878	14495588 74.298911	44367604 74.122673	3973170 74.033409	6379132 73.943665	14817841 73.853531	67314 73.762962	9919947 73.762962

WORKSPACE



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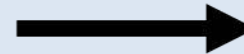
Jimmy's Transformation into Carmen



Age 21

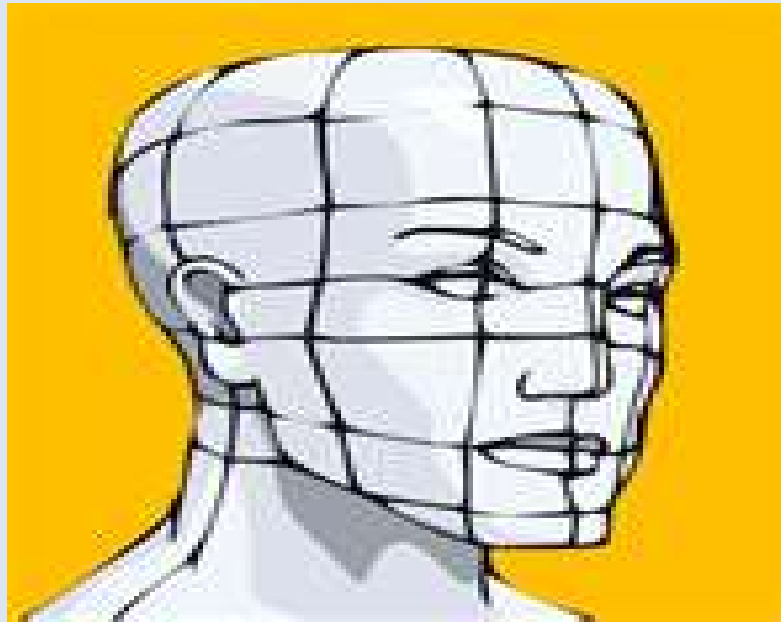


Age 22



Age 24

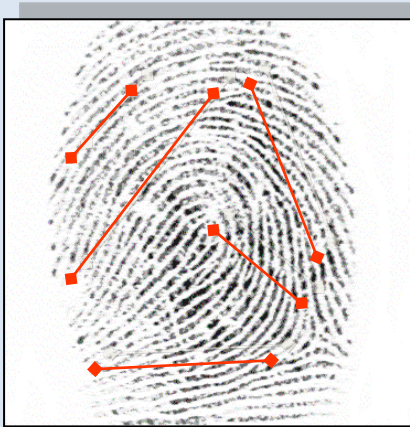
Identity Verification



How it works

Much the same as working with fingerprints

Fingerprints are unique, and so are facial measurements



“Automated fingerprint
identification system”
for faces

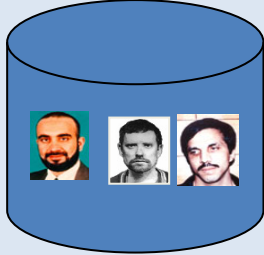


Enrollment Process



1290812094823
3049852349059
2834753928753
1485972095823
0854029354050

FR Value



Facial Recognition Database

Details of FR technology...

Computer software uses biometrics to define distinguishable landmarks of the face

Facial landmarks are measured and assigned a numerical value that represents the “face print”

- Distance between eyes
- Width of nose
- Depth of eye sockets
- Shape of cheek bones
- Location of chin
- Length of the jaw line

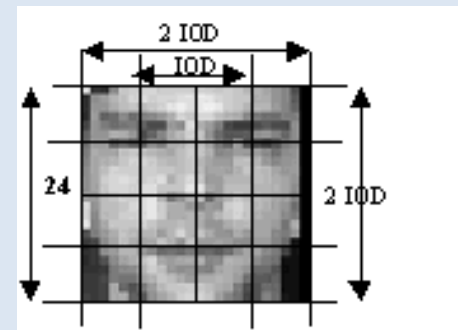
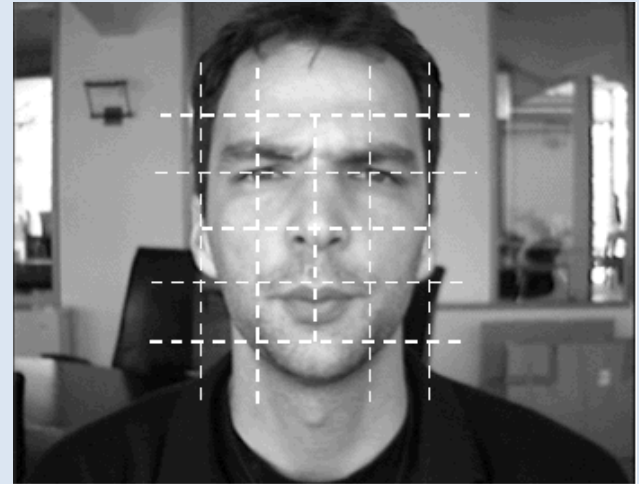


Image Quality

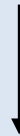
Surveillance



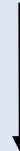
Lighting



Sharpness





Pose



Enrolled Images

Other Problem Examples

<u>PROBLEM</u>	<u>EXPLANATION</u>	<u>EXAMPLE</u>
Angle	The ideal angle for the subject is facing the camera	
Focus	The image should be properly focused to see the features in the subject's face.	

Points of Emphasis

- **Facial recognition is sensitive to environmental conditions (focus, lighting, picture background)**
- **Requires human interaction to identify a match**
- **An investigative tool, not a means of definitive identification**
- **Properly used, can help solve cases (including missing persons cases) and save lives**

41 Different Identities

NCDMV's worst case of identity fraud

41 different *synthetic* identities



Whereabouts Unknown. Is believed to be connected to a Nigerian money laundering scam

Identity Unknown

Victim of Identity Theft Mrs. Tyson



Jean Malinowski AKA Mrs. Tyson



Comparison

Mrs. Tyson



Mrs. Malinowski



Reason for new identity

► CRIME

Boca car-sale fight pits water vs. bullets

BY DARCIE WILLIAMSON
STAFF WRITER

A dispute over a for-sale sign on an expensive sport car erupted into gunfire Thursday morning at an upscale Boca Raton condominium complex, the Palm Beach County Sheriff's Office reports.

Jean Malinowski, 41, has been charged with attempted murder after she fired several shots from a 9mm handgun at her 69-year-old neighbor, reports said.

The two had exchanged words about Malinowski's violation of association rules by storing and advertising cars for sale at the Coach Houses of Town Place complex off St. Andrew's Boulevard, reports said.

The neighbor, Fanny Helguero, who was not struck by the gunfire, turned a water hose on Malinowski in an attempt to fend off further attack, reports said.

Malinowski was released Thursday on \$3,000 bail from the Palm Beach County Jail, officials said.

Helguero, obviously shaken by the attack, declined to discuss it Friday except to say, "I never expected it."

But other neighbors said Malinowski has been issued past warnings about using condominium property as a car lot. They described Malinowski as being volatile and a problem.

The two women are next-door neighbors, reports said. □

Identity Confirmation



Connecticut DRIVER'S LICENSE

LICENSE NO. **026825751** CLASS **1** EXPIRES **01-01-08**

CRYSTAL GOMES
2268 COOPER ST
HARTFORD, CT 06103

~~01-01-08~~ SEX **F** HGT **5-03**
ISSUED **04-12-04** EYES **BRN**
ENDORS
RESTR

Crystal Gomes

5
7
6

CONNECTICUT STATE



Search Results



Identity Found

Sheila A. Bryant

NC scanned the image from the Connecticut license and enrolled it for facial comparison to images on NC's image server

Browser: Image Details - Microsoft Internet Explorer provided by NCDOT v.05.1B
Address: https://10.35.2.6/browser/ViewImageNode.aspx?num=30&thumb=1&Count=0&Order=0&PersonID=12397400&PageLB=0&PageSize=20&PageLB=0&PageSize=20

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Welcome to **NCDOT** NCDMV FaceEXPLORER-IBrowser

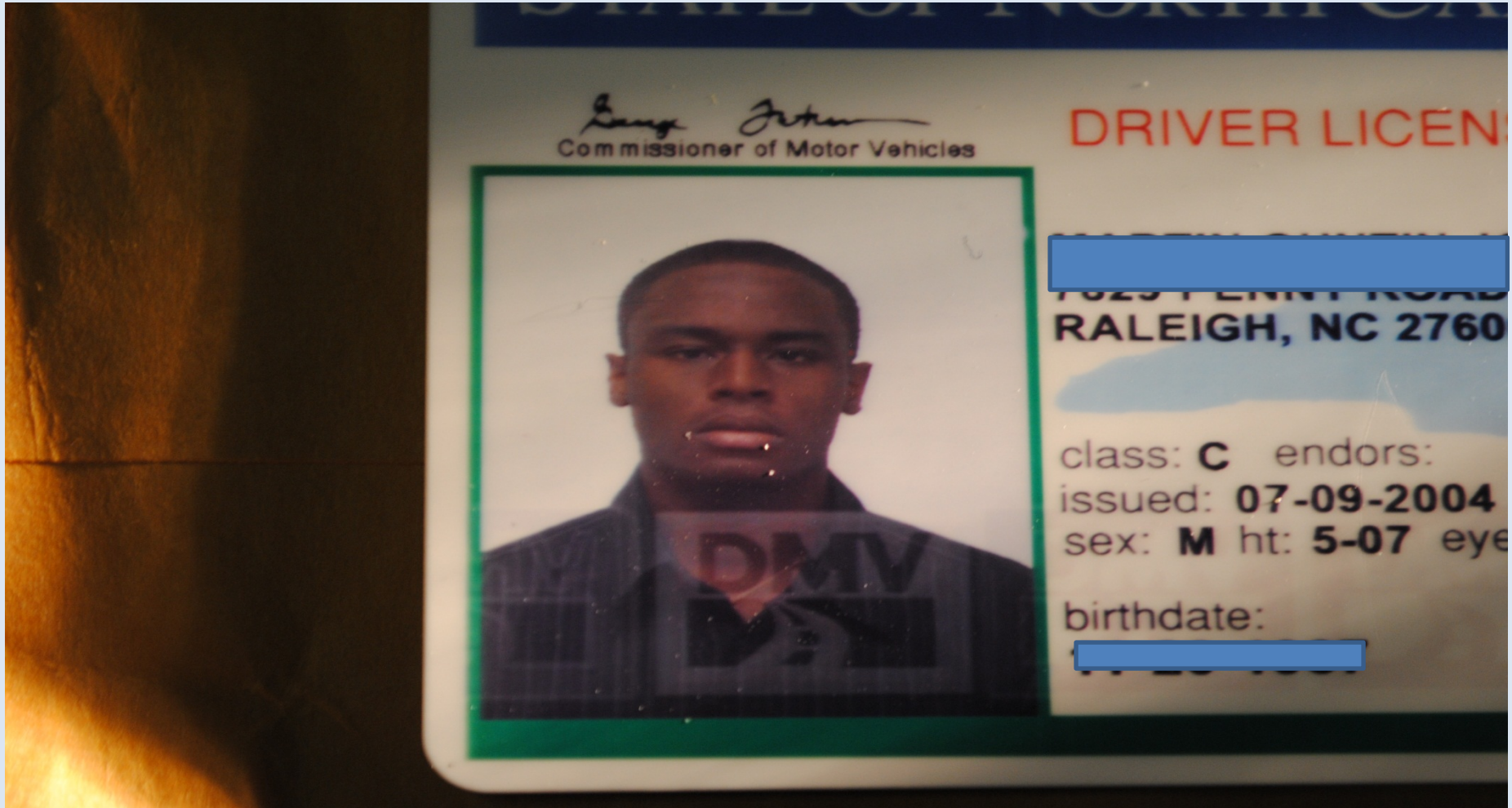
Home Change Password Help Exit
USER : WEBB BARB

Image details for SHEILA BRYANT

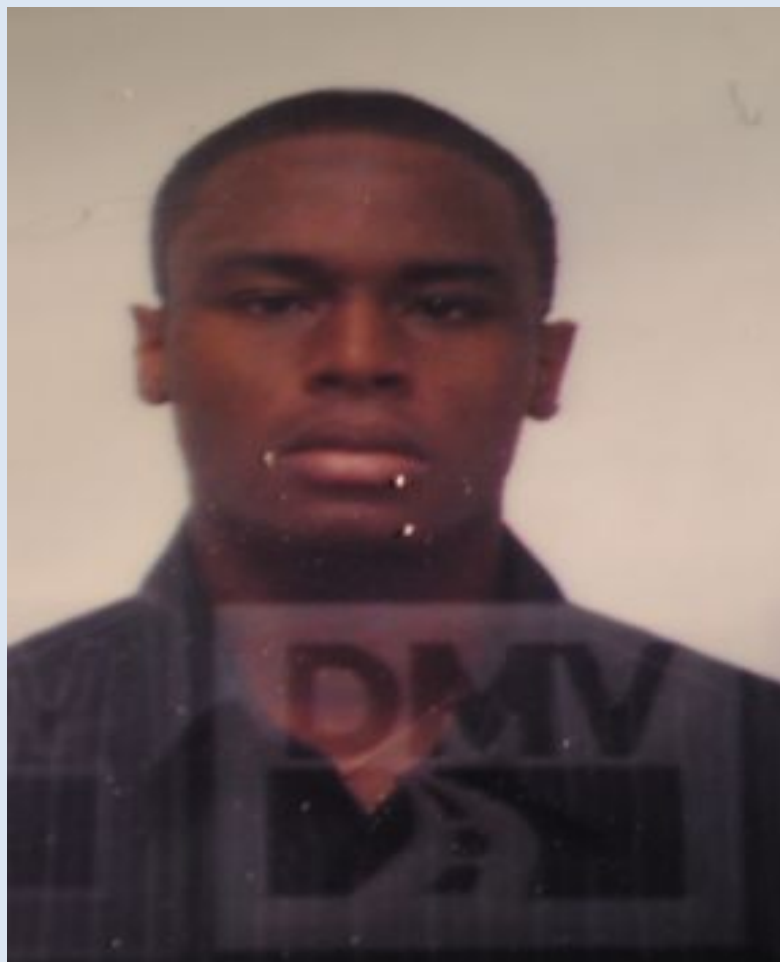
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Lastname	BRYANT																
Firstname	SHEILA																
Image Capture Date	Jun 4, 2004 18:01:52																
Bio ID	[REDACTED]																
Person ID	12397400																
Description	Frontal Portrait																
Workstation ID	0032																
DLID	7890895																

[RESULTS] [RECENT DETAILS] [HISTORY] [SEARCH]

Counterfeit License



Captured Image



Results

Image Query Search Criteria Search Demographics Enlarge Images Reset Enroll Image Log Out

PROBE IMAGE



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SEARCH RESULTS

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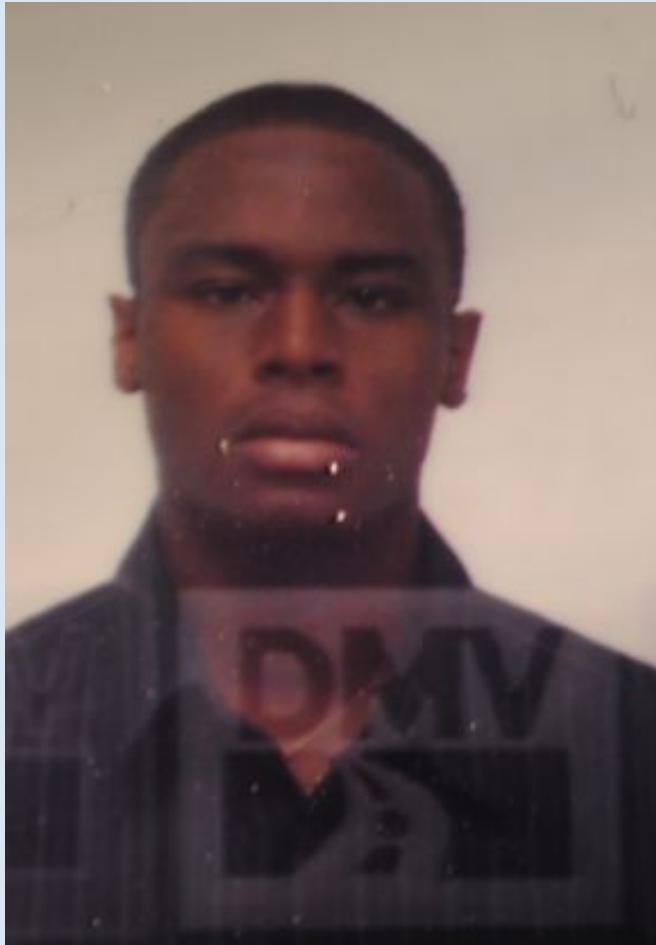
 31917008 74.991898	 29332831 70.517136	 28108544 70.196327	 16838144 69.979935	 29087882 69.979935	 32152843 69.761612	 40132494 69.761612	 16082584 69.207062
 29219613 69.094589	 32132002 68.981874	 40227222 68.754326	 41476139 68.839893	 19117549 68.409508	 32958831 68.060074	 41080649 68.060074	 30538123 68.060074
 32602531 67.942604	 21233119 67.824615	 18701951 67.700123	 33473914 67.700123	 32062419 67.700123	 30723063 67.587120	 9254588 67.587120	 21413025 67.407613

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Captured



Video Images



Image Capture



Results



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- Image Query
- Search Criteria
- Search
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SEARCH RESULTS

32748449 71.453239	32127568 69.430382	27773499 66.119293	40589685 65.613815	31111155 65.358063	27464713 66.229362	1526918 65.100227	18726152 64.709824
21672814 64.709824	29007310 64.314984	27508446 64.314984	32256106 63.646984	8848992 63.646984	33121874 62.966919	5140109 62.829494	41873318
28411630	15773160	19719044	40962644	28016669	33029813	18832581	32260071

WORKSPACE

Enrolled0 undefined	Enrolled1 undefined	40589685 FACEXPDBO	32127568 FACEXPDBO	27464713 FACEXPDBO

Results Continued



Social Media



Results

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SEARCH RESULTS

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28978735 70.761337	18279398 76.608185	7530093 76.608185	43860026 75.900346	29508420 74.908988	28032261 74.211510	29792859 73.943665	33247356 73.762962
28902220 73.116508	1814137 73.116508	6104522 72.737221	18163056 72.641258	19055241 72.350548	31405107 72.252739	31924882 71.956490	31225527 71.956490
4233004 71.655945	33666456 70.938065	15881899 70.833519	20851597 70.833519	12286503 70.728546	8919497 70.623085	20486159 70.623085	18988550 70.410690

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Results Continued



Identification of the unknown



Enrollment

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SEARCH RESULTS

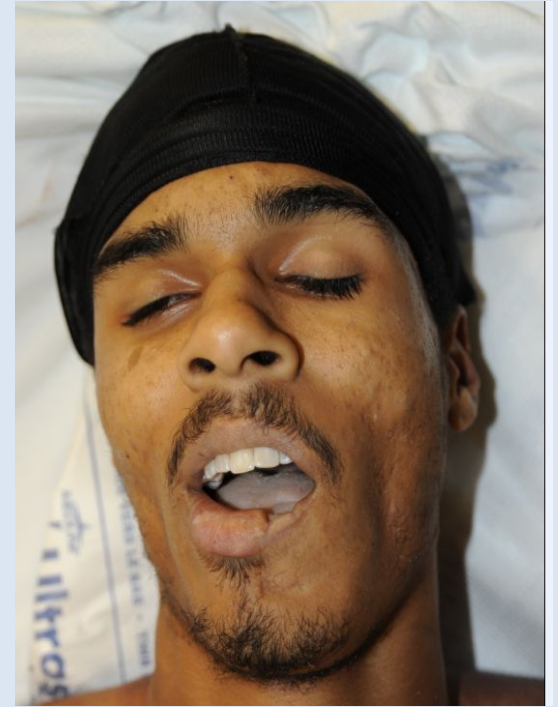
[Next](#)

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26813758 79.405228	18951854 79.405228	32310264 79.277817	21075926 78.888176	18807812 78.755791	30376395 78.755791	26710734 78.689125	29588819 78.554817
34575523	24580523	27755475	20909555	28560445	28498556	26462615	28669885

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Results



Zahra Baker



Interview Elisa Baker



Elisa Baker or Dawn Church



Results



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29995097 100.000000	32567451 86.403191	28828358 79.656448	32393981 78.953918	33478346 78.074348	33058613 77.792397	19269344 76.988220	26724480 76.837334
27714956 76.761337	26852697 76.684967	29851021 76.531067	26729251 76.297447	41141235 76.297447	41307840 76.218803	44189099 76.060371	28791515 75.738785
32942203 76.738785	22161119 75.657417	31203506 75.657417	32025925 75.410896	17522380 75.410896	19794420 74.991898	27600363 74.821426	18512234 74.821426

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America's Most Wanted Fugitive - Jack Allen Poteat

FBI — JACK ALLEN POTEAT - Microsoft Internet Explorer provided by UNET

http://www.fbi.gov/wanted/cac/jack-allen-poteat

THE **FBI** FEDERAL BUREAU OF INVESTIGATION

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WANTED BY THE FBI

Unlawful Flight to Avoid Prosecution - First Degree Statutory Rape, First Degree Statutory Sex Offense, Indecent Liberties With a Minor, Crime Against Nature, Failure to Appear

JACK ALLEN POTEAT

Captured **Captured** **Captured**

Photograph taken in 2006 Photograph taken in 2001 Photograph taken in 2000

Multimedia: Images

Print Version

start Garcia, Michael R... FBI — JACK ALLE... Facial Recognition... Poteat Photo Com... My Documents 10:21 AM

Comparison

Deputy Cannon



Jack Poteat



America's Most Wanted Fugitive - Poteat



Florida DL 2000



Florida DL 2006

Photo Progression – AMW Fugitive Capture 1142 – Jack Allen Poteat



**Jack Allen Poteat
NCDL 1998**



**Jack Allen Poteat aka
Dwayne Phillip
Cannon FLDL 2000**



**Jack Allen Poteat aka
Dwayne Phillip
Cannon FLDL 2006**



**Jack Allen Poteat aka
Dwayne Phillip Cannon
aka Jonmarc Phillips
Post Crash Photo
January 25, 2011**



**Jack Allen Poteat aka
Dwayne Phillip Cannon aka
Jonmarc Phillips Hospital
Photo January 28, 2011**

Captured

AMW | Fugitives | Jack Poteat | Brief - Microsoft Internet Explorer provided by UNET

http://www.amw.com/fugitives/brief.cfm?id=76238

File Edit View Favorites Tools Help

AMW | Fugitives | Jack Poteat | Brief

BRIEF CASE CAPTURE PROFILE MEDIA

Jack Allen Poteat

Report a Tip
Comment

Wanted For:
First Degree Statutory Rape
Monroe, NC

Latest Airing:
January 22 2011

CAPTURED

CAPTURED Call To AMW, Car Chase End Accused Predator's Running

Since 2000, Jack Allen Poteat had been on the run after being charged with raping a 14-year-old girl in Monroe, N.C. When his victim, Jaimie Lowe, told her story to AMW on Jan. 22, 2011, viewers were outraged. Tips directed police to the

Jack Poteat More charges

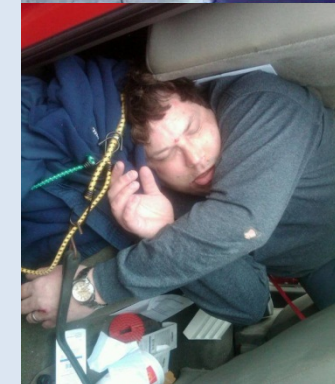
NOMINATIONS NOW OPEN
sponsored by Sprint

AMW HEADLINES

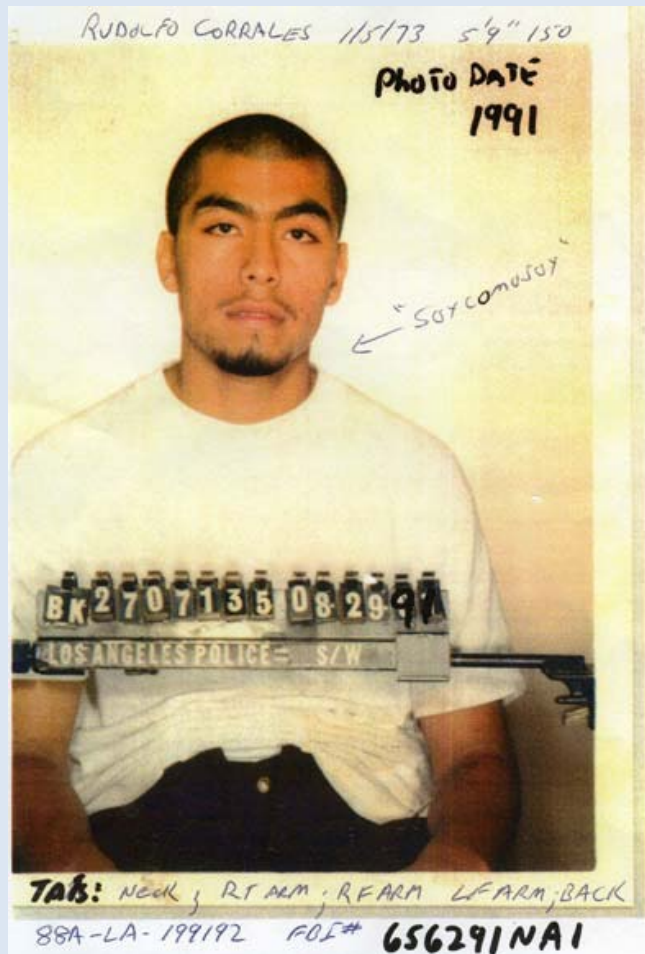
- Marshals' Most Wanted Hell's Angel Nabbed In Argentina
- Mom's Boyfriend A 'Person Of Interest' In Texas Teen's Case
- Zachs Is Back -- And Headed To Prison
- Maryland Dad Gunned Down On His Commute Home
- Clock Ticks For Spouses Linked To Kansas Death
- AMW Fights Child Sex Trafficking With Filmmaker Libby Spears

Internet 100%

start Garcia, Michael R... AMW | Fugitives | ... Facial Recognition... Poteat Photo Com... My Documents 10:23 AM



Federal Fugitive Corrales



Corales Facial Recognition Results



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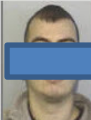
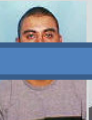





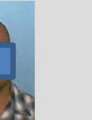

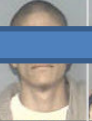
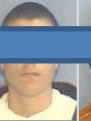
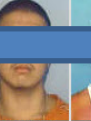

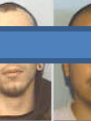










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 19747762 81.765648	 14646701 80.455536	 29392151 79.944794	 30988725 79.852501	 18374868 79.821587	 4193157 79.865901	 17632203 79.154984	 10001487 79.024139
 26759746 78.991234	 27220110 78.958244	 33122544 78.892029	 33530880 78.825500	 13373480 78.792107	 32857275 78.623947	 18290204 78.556107	 17404832 78.453728
 30899379	 19286624	 29237445	 28065819	 10443543	 32385048	 20506327	 31076895

WORKSPACE



Enrolled0
undefined

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Corrales Continued



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28551010 81.632996	32837097 81.363037	4193157 80.775215	19747762 80.396515	21196245 80.337212	17632203 80.247726	30899379 80.127419	9546714 79.944794
							
19797854 79.065901	3388723 79.219925	32385048 79.154984	20777450 78.958244	33038166 78.858803	27631074 78.858803	27675894 78.825500	30698960 78.792107
							
30028802	37339440	25716337	46508888	30044308	5609667	3640343	30278008

WORKSPACE



Enrolled0
undefined

[Delete](#)

Done Internet 100%

Captured



Contact information for ID/Fraud Unit

Inter-State only 1-877-286-6981

Local 919-861-3143

Fax 919-733-2314

DCI Terminal: DME or ORI:

NCDMV0000

Email idlab@ncdot.gov

